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### **Alignment-guided Temporal Attention for Video Action Recognition**

Yizhou Zhao · Zhenyang Li · Xun Guo · Yan Lu

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### **I2Q: A Fully Decentralized Q-Learning Algorithm**

Jiechuan Jiang · Zongqing Lu

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### **Unifying Voxel-based Representation with Transformer for 3D Object Detection**

Yanwei Li · Yilun Chen · Xiaojuan Qi · Zeming Li · Jian Sun · Jiaya Jia

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### **A Non-asymptotic Analysis of Non-parametric Temporal-Difference Learning**

Elise Berthier · Ziad Kobeissi · Francis Bach

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### **Pareto Set Learning for Expensive Multi-Objective Optimization**

Xi Lin · Zhiyuan Yang · Xiaoyuan Zhang · Qingfu Zhang

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### **MsvT: Mixed-scale Sparse Voxel Transformer for 3D Object Detection on Point Clouds**

Shaocong Dong · lihe Ding · Haiyang Wang · Tingfa Xu · Xinli Xu · Jie Wang · Ziyang Bian · Ying Wang · Jianan Li

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Yunsong Zhou · Quan Liu · Hongzi Zhu · Yunzhe Li · Shan Chang · Minyi Guo

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### **SAPA: Similarity-Aware Point Affiliation for Feature Upsampling**

Hao Lu · Wenze Liu · Zixuan Ye · Hongtao Fu · Yuliang Liu · Zhiguo Cao

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**Generalized One-shot Domain Adaptation of Generative Adversarial Networks**

Zicheng Zhang · Yinglu Liu · Congying Han · Tiande Guo · Ting Yao · Tao Mei

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**Multi-Sample Training for Neural Image Compression**

Tongda Xu · Yan Wang · Dailan He · Chenjian Gao · Han Gao · Kunzan Liu · Hongwei Qin

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**An Investigation into Whitening Loss for Self-supervised Learning**

Xi Weng · Lei Huang · Lei Zhao · Rao Anwer · Salman Khan · Fahad Shahbaz Khan

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**Efficient Meta Reinforcement Learning for Preference-based Fast Adaptation**

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**PKD: General Distillation Framework for Object Detectors via Pearson Correlation Coefficient**

Weihan Cao · Yifan Zhang · Jianfei Gao · Anda Cheng · Ke Cheng · Jian Cheng

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**Functional Indirection Neural Estimator for Better Out-of-distribution Generalization**

Kha Pham · Thai Hung Le · Man Ngo · Truyen Tran

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**Measuring and Reducing Model Update Regression in Structured Prediction for NLP**

Deng Cai · Elman Mansimov · Yi-An Lai · Yixuan Su · Lei Shu · Yi Zhang

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**REVIVE: Regional Visual Representation Matters in Knowledge-Based Visual Question Answering**

Yuanze Lin · Yujia Xie · Dongdong Chen · Yichong Xu · Chenguang Zhu · Lu Yuan

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| <b>Transformer Memory as a Differentiable Search Index</b><br>Yi Tay · Vinh Tran · Mostafa Dehghani · Jianmo Ni · Dara Bahri · Harsh Mehta · Zhen Qin · Kai Hui · Zhe Zhao · Jai Gupta · Tal Schuster · William Cohen · Donald Metzler<br>[  OpenReview ] |        |
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| <b>RankFeat: Rank-1 Feature Removal for Out-of-distribution Detection</b><br>Yue Song · Nicu Sebe · Wei Wang<br>[ Poster ] [  OpenReview ]  |        |
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| <b>Trajectory Inference via Mean-field Langevin in Path Space</b><br>Lénaïc Chizat · Stephen Zhang · Matthieu Heitz · Geoffrey Schiebinger<br>[ Poster ] [  OpenReview ]  |        |
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| <b>MinVIS: A Minimal Video Instance Segmentation Framework without Video-based Training</b><br>De-An Huang · Zhiding Yu · Anima Anandkumar<br>[  OpenReview ]   |        |
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| <b>Divert More Attention to Vision-Language Tracking</b><br>Mingzhe Guo · Zhipeng Zhang · Heng Fan · Liping Jing<br>[ Poster ] [  OpenReview ]  |        |
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| <b>Learning Efficient Vision Transformers via Fine-Grained Manifold Distillation</b><br>Zhiwei Hao · Jianyuan Guo · Ding Jia · Kai Han · Yehui Tang · Chao Zhang · Han Hu · Yunhe Wang<br>[ Poster ] [  OpenReview ]                                    |        |
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| <b>Defending Against Adversarial Attacks via Neural Dynamic System</b><br>Xiyuan Li · Zou Xin · Weiwei Liu<br>[ Poster ] [  OpenReview ]  |        |
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| <b>On Leave-One-Out Conditional Mutual Information For Generalization</b><br>Mohamad Rida Rammal · Alessandro Achille · Aditya Golatkar · Suhas Diggavi · Stefano Soatto<br>[  OpenReview ]   |        |
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| None | <b>Nonnegative Tensor Completion via Integer Optimization</b><br>Caleb Bugg · Chen Chen · Anil Aswani<br>[ Poster ] [ OpenReview ]   | Poster |
| None | <b>You Never Stop Dancing: Non-freezing Dance Generation via Bank-constrained Manifold Projection</b><br>Jiangxin Sun · Chunyu Wang · Huang Hu · Hanjiang Lai · Zhi Jin · Jian-Fang Hu<br>[ OpenReview ]   | Poster |
| None | <b>FedPop: A Bayesian Approach for Personalised Federated Learning</b><br>Nikita Kotelevskii · Maxime Vono · Alain Durmus · Eric Moulines<br>[ OpenReview ]  | Poster |
| None | <b>Fair Bayes-Optimal Classifiers Under Predictive Parity</b><br>Xianli Zeng · Edgar Dobriban · Guang Cheng<br>[ OpenReview ]  | Poster |
| None | <b>Constrained Update Projection Approach to Safe Policy Optimization</b><br>Long Yang · Jiaming Ji · Juntao Dai · Linrui Zhang · Binbin Zhou · Pengfei Li · Yaodong Yang · Gang Pan<br>[ OpenReview ]     | Poster |
| None | <b>How and Why to Manipulate Your Own Agent: On the Incentives of Users of Learning Agents</b><br>Yoav Kolumbus · Noam Nisan<br>[ OpenReview ]   | Poster |
| None | <b>VTC-LFC: Vision Transformer Compression with Low-Frequency Components</b><br>Zhenyu Wang · Hao Luo · Pichao WANG · Feng Ding · Fan Wang · Hao Li<br>[ Poster ] [ OpenReview ]                           | Poster |
| None | <b>FNeVR: Neural Volume Rendering for Face Animation</b><br>Bohan Zeng · Boyu Liu · Hong Li · Xuhui Liu · Jianzhuang Liu · Dapeng Chen · Wei Peng · Baochang Zhang<br>[ Slides ] [ Poster ] [ OpenReview ] | Poster |
| None | <b>Efficient Multi-agent Communication via Self-supervised Information Aggregation</b><br>Cong Guan · Feng Chen · Lei Yuan · Chenghe Wang · Hao Yin · Zongzhang Zhang · Yang Yu                            | Poster |

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**Rethinking Knowledge Graph Evaluation Under the Open-World Assumption**

Haotong Yang · Zhouchen Lin · Muhan Zhang

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**4D Unsupervised Object Discovery**

Yuqi Wang · Yuntao Chen · ZHAO-XIANG ZHANG

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**A Lower Bound of Hash Codes' Performance**

Xiaosu Zhu · Jingkuan Song · Yu Lei · Lianli Gao · Hengtao Shen

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**Model-Based Offline Reinforcement Learning with Pessimism-Modulated Dynamics Belief**

Kaiyang Guo · Shao Yunfeng · Yanhui Geng

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**Log-Polar Space Convolution Layers**

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**ZIN: When and How to Learn Invariance Without Environment Partition?**

Yong Lin · Shengyu Zhu · Lu Tan · Peng Cui

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**Forecasting Human Trajectory from Scene History**

Mancheng Meng · Ziyan Wu · Terrence Chen · Dinggang Shen · Fan Yang

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**Object-Category Aware Reinforcement Learning**

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**RLIP: Relational Language-Image Pre-training for Human-Object Interaction Detection**

Hangjie Yuan · Jianwen Jiang · Samuel Albanie · Tao Feng · Ziyuan Huang · Dong Ni · Mingqian Tang

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**Analyzing Sharpness along GD Trajectory: Progressive Sharpening and Edge of Stability**

Zixuan Wang · Zhouzi Li · Jian Li

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| None | <b>Pre-trained Adversarial Perturbations</b><br>Yuanhao Ban · Yinpeng Dong<br>[  <a href="#">OpenReview</a> ]  | Poster |
| None | <b>Natural image synthesis for the retina with variational information bottleneck representation</b><br>Babak Rahmani · Demetri Psaltis · Christophe Moser<br>[ <a href="#">Poster</a> ] [  <a href="#">OpenReview</a> ]   | Poster |
| None | <b>Asymptotic Behaviors of Projected Stochastic Approximation: A Jump Diffusion Perspective</b><br>Jiadong Liang · Yuze Han · Xiang Li · Zhihua Zhang<br>[  <a href="#">OpenReview</a> ]   | Poster |
| None | <b>Discrete Compositional Representations as an Abstraction for Goal Conditioned Reinforcement Learning</b><br>Riashat Islam · Hongyu Zang · Anirudh Goyal · Alex Lamb · Kenji Kawaguchi · Xin Li · Romain Laroche · Yoshua Bengio · Remi Tachet des Combes<br>[  <a href="#">OpenReview</a> ] | Poster |
| None | <b>Debiased, Longitudinal and Coordinated Drug Recommendation through Multi-Visit Clinic Records</b><br>Hongda Sun · Shufang Xie · Shuqi Li · Yuhang Chen · Ji-Rong Wen · Rui Yan<br>[ <a href="#">Poster</a> ] [  <a href="#">OpenReview</a> ]  | Poster |
| None | <b>Hub-Pathway: Transfer Learning from A Hub of Pre-trained Models</b><br>Yang Shu · Zhangjie Cao · Ziyang Zhang · Jianmin Wang · Mingsheng Long<br>[ <a href="#">Poster</a> ] [  <a href="#">OpenReview</a> ]   | Poster |
| None | <b>Finding Second-Order Stationary Points in Nonconvex-Strongly-Concave Minimax Optimization</b><br>Luo Luo · Yujun Li · Cheng Chen<br>[  <a href="#">OpenReview</a> ]   | Poster |
| None | <b>ViTPose: Simple Vision Transformer Baselines for Human Pose Estimation</b><br>Yufei Xu · Jing Zhang · Qiming ZHANG · Dacheng Tao   | Poster |

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**Surprise Minimizing Multi-Agent Learning with Energy-based Models**  
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**Learning to Generate Inversion-Resistant Model Explanations**  
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**Understanding the Failure of Batch Normalization for Transformers in NLP**  
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**Composition Theorems for Interactive Differential Privacy**  
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**Confidence-based Reliable Learning under Dual Noises**  
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**On Batch Teaching with Sample Complexity Bounded by VCD**  
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**Can Adversarial Training Be Manipulated By Non-Robust Features?**  
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**TANKBind: Trigonometry-Aware Neural NetworkKs for Drug-Protein Binding Structure Prediction**  
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**Distributional Reinforcement Learning for Risk-Sensitive Policies**  
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**Tracking Functional Changes in Nonstationary Signals with Evolutionary Ensemble Bayesian Model for Robust Neural Decoding**

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### **Counterfactual Temporal Point Processes**

Kimia Noorbakhsh · Manuel Rodriguez

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### **EGSDE: Unpaired Image-to-Image Translation via Energy-Guided Stochastic Differential Equations**

Min Zhao · Fan Bao · Chongxuan LI · Jun Zhu

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### **Density-driven Regularization for Out-of-distribution Detection**

Wenjian Huang · Hao Wang · Jiahao Xia · Chengyan Wang · Jianguo Zhang

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### **PyramidCLIP: Hierarchical Feature Alignment for Vision-language Model Pretraining**

Yuting Gao · Jinfeng Liu · Zihan Xu · Jun Zhang · Ke Li · Rongrong Ji · Chunhua Shen

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### **RSA: Reducing Semantic Shift from Aggressive Augmentations for Self-supervised Learning**

Yingbin Bai · Erkun Yang · Zhaoqing Wang · Yuxuan Du · Bo Han · Cheng Deng · Dadong Wang · Tongliang Liu

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### **Provable General Function Class Representation Learning in Multitask Bandits and MDP**

Rui Lu · Andrew Zhao · Simon Du · Gao Huang

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### **On the role of overparameterization in off-policy Temporal Difference learning with linear function approximation**

Valentin Thomas

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### **Tiered Reinforcement Learning: Pessimism in the Face of Uncertainty and Constant Regret**

Jiawei Huang · Li Zhao · Tao Qin · Wei Chen · Nan Jiang · Tie-Yan Liu

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### **OOD Link Prediction Generalization Capabilities of Message-Passing GNNs in Larger Test Graphs**

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### **Inception Transformer**

Chenyang Si · Weihao Yu · Pan Zhou · Yichen Zhou · Xinchao Wang · Shuicheng Yan

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### **Escaping Saddle Points with Bias-Variance Reduced Local Perturbed SGD for Communication Efficient Nonconvex Distributed Learning**

Tomoya Murata · Taiji Suzuki

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### **Peer Prediction for Learning Agents**

Shi Feng · Fang-Yi Yu · Yiling Chen

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Alexander Korotin · Vage Egiazarian · Lingxiao Li · Evgeny Burnaev

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### **Stimulative Training of Residual Networks: A Social Psychology Perspective of Loafing**

Peng Ye · Shengji Tang · Baopu Li · Tao Chen · Wanli Ouyang

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### **Pre-Trained Image Encoder for Generalizable Visual Reinforcement Learning**

Zhecheng Yuan · Zhengrong Xue · Bo Yuan · Xueqian Wang · YI WU · Yang Gao · Huazhe Xu

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### **When Combinatorial Thompson Sampling meets Approximation Regret**

Pierre Perrault

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### **Online Frank-Wolfe with Arbitrary Delays**

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**Unsupervised Object Detection Pretraining with Joint Object Priors Generation and Detector Learning**

Yizhou Wang · Meilin Chen · SHIXIANG TANG · Feng Zhu · Haiyang Yang · LEI BAI · Rui Zhao · Yunfeng Yan · Donglian Qi · Wanli Ouyang

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**Semi-infinitely Constrained Markov Decision Processes**

Liangyu Zhang · Yang Peng · Wenhao Yang · Zhihua Zhang

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**Learning from Future: A Novel Self-Training Framework for Semantic Segmentation**

Ye Du · Yujun Shen · Haochen Wang · Jingjing Fei · Wei Li · Liwei Wu · Rui Zhao · Zehua Fu · Qingjie LIU

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**Quasi-Newton Methods for Saddle Point Problems**

Chengchang Liu · Luo Luo

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**Towards Understanding the Condensation of Neural Networks at Initial Training**

Hanxu Zhou · Zhou Qixuan · Tao Luo · Yaoyu Zhang · Zhi-Qin Xu

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**Quantized Training of Gradient Boosting Decision Trees**

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**Learning to Share in Multi-Agent Reinforcement Learning**

Yuxuan Yi · Ge Li · Yaowei Wang · Zongqing Lu

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**Debugging and Explaining Metric Learning Approaches: An Influence Function Based Perspective**

Ruofan Liu · Yun Lin · XIANGLIN YANG · Jin Song Dong

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**Unsupervised Skill Discovery via Recurrent Skill Training**

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|      | Gerard Ben Arous · Reza Gheissari · Aukosh Jagannath   |        |
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| None | <b>OPEN: Orthogonal Propagation with Ego-Network Modeling</b>  | Poster |
|      | Liang Yang · Lina Kang · Qiliang Zhang · Mengzhe Li · bingxin niu · Dongxiao He · Zhen Wang · Chuan Wang · Xiaochun Cao · Yuanfang Guo |        |
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|      | Yu Cao · Eric Vanden-Eijnden   |        |
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| None | <b>Residual Multiplicative Filter Networks for Multiscale Reconstruction</b>   | Poster |
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| None | <b>Perceptual Attacks of No-Reference Image Quality Models with Human-in-the-Loop</b>  | Poster |
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| None | <b>Double Check Your State Before Trusting It: Confidence-Aware Bidirectional Offline Model-Based Imagination</b>                      | Poster |
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| <b>Posted Pricing and Dynamic Prior-independent Mechanisms with Value Maximizers</b> |        |
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| <b>Task-Free Continual Learning via Online Discrepancy Distance Learning</b> |        |
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| <b>M2N: Mesh Movement Networks for PDE Solvers</b>   |        |
| Wenbin Song · Mingrui Zhang · Joseph G Wallwork · Junpeng Gao · Zheng Tian · Fanglei Sun · Matthew Piggott · Junqing Chen · Zuoqiang Shi · Xiang Chen · Jun Wang |        |
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| <b>Long-Form Video-Language Pre-Training with Multimodal Temporal Contrastive Learning</b> |        |
| Yuchong Sun · Hongwei Xue · Ruihua Song · Bei Liu · Huan Yang · Jianlong Fu                |        |
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**[Re] Reproducibility Report: Contrastive Learning of Socially-aware Motion Representations**

Roopsa Sen · Sidharth Sinha · Animesh Jha · Parv Maheshwari

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**[Re] GANSpace: Discovering Interpretable GAN Controls**

Vishnu Dasu · Midhush Manohar Thevendria Karthic

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**PatchComplete: Learning Multi-Resolution Patch Priors for 3D Shape Completion on Unseen Categories**

Yuchen Rao · Yinyu Nie · Angela Dai

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**Segmenting Moving Objects via an Object-Centric Layered Representation**

Junyu Xie · Weidi Xie · Andrew Zisserman

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**A Unified Hard-Constraint Framework for Solving Geometrically Complex PDEs**

Songming Liu · Hao Zhongkai · Chengyang Ying · Hang Su · Jun Zhu · Ze Cheng

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**Knowledge-Aware Bayesian Deep Topic Model**

Dongsheng Wang · Yi.shi Xu · MiaoGe Li · Zhibin Duan · Chaojie Wang · Bo Chen · Mingyuan Zhou

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**An Adaptive Deep RL Method for Non-Stationary Environments with Piecewise Stable Context**

Xiaoyu Chen · Xiangming Zhu · Yufeng Zheng · Pushi Zhang · Li Zhao · Wenzhe Cheng · Peng CHENG · Yongqiang Xiong · Tao Qin · Jianyu Chen · Tie-Yan Liu

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**Deep Combinatorial Aggregation**

Yuesong Shen · Daniel Cremers

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**WT-MVSNet: Window-based Transformers for Multi-view Stereo**

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**Combinatorial Bandits with Linear Constraints: Beyond Knapsacks and Fairness**

Qingsong Liu · Weihang Xu · Siwei Wang · Zhixuan Fang

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**Chromatic Correlation Clustering, Revisited**

Qing Xiu · Kai Han · Jing Tang · Shuang Cui · He Huang

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**SoLar: Sinkhorn Label Refinery for Imbalanced Partial-Label Learning**

Haobo Wang · Mingxuan Xia · Yixuan Li · Yuren Mao · Lei Feng · Gang Chen · Junbo Zhao

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**Multi-Lingual Acquisition on Multimodal Pre-training for Cross-modal Retrieval**

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**Structural Pruning via Latency-Saliency Knapsack**

Maying Shen · Hongxu Yin · Pavlo Molchanov · Lei Mao · Jianna Liu · Jose M. Alvarez

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**On the relationship between variational inference and auto-associative memory**

Louis Annabi · Alexandre Pitti · Mathias Quoy

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**Theoretically Better and Numerically Faster Distributed Optimization with Smoothness-Aware Quantization Techniques**

Bokun Wang · Mher Safaryan · Peter Richtarik

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**MoVQ: Modulating Quantized Vectors for High-Fidelity Image Generation**

Chuanxia Zheng · Tung-Long Vuong · Jianfei Cai · Dinh Phung

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**SoftPatch: Unsupervised Anomaly Detection with Noisy Data**

Xi Jiang · Jianlin Liu · Jinbao Wang · Qiang Nie · Kai Wu · Yong Liu · Chengjie Wang · Feng Zheng

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**Improving Generative Adversarial Networks via Adversarial Learning in Latent Space**

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**On the Representation Collapse of Sparse Mixture of Experts**

Zewen Chi · Li Dong · Shaohan Huang · Damai Dai · Shuming Ma · Barun Patra · Saksham Singhal · Payal Bajaj · XIA SONG · Xian-Ling Mao · Heyan Huang · Furu Wei

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**Probing Classifiers are Unreliable for Concept Removal and Detection**

Abhinav Kumar · Chenhao Tan · Amit Sharma

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**Distributed Learning of Conditional Quantiles in the Reproducing Kernel Hilbert Space**

Heng Lian

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**Isometric 3D Adversarial Examples in the Physical World**

yibo miao · Yinpeng Dong · Jun Zhu · Xiao-Shan Gao

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**Self-Organized Group for Cooperative Multi-agent Reinforcement Learning**

Jianzhen Shao · Zhiqiang Lou · Hongchang Zhang · Yuhang Jiang · Shuncheng He · Xiangyang Ji

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**A Win-win Deal: Towards Sparse and Robust Pre-trained Language Models**

Yuanxin Liu · Fandong Meng · Zheng Lin · Jiangnan Li · Peng Fu · Yanan Cao · Weiping Wang · Jie Zhou

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**Optimizing Data Collection for Machine Learning**

Rafid Mahmood · James Lucas · Jose M. Alvarez · Sanja Fidler · Marc Law

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**Improving Barely Supervised Learning by Discriminating Unlabeled Samples with Super-class**

Guan Gui · Zhen Zhao · Lei Qi · Luping Zhou · Lei Wang · Yinghuan Shi

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**Disentangling Causal Effects from Sets of Interventions in the Presence of Unobserved Confounders**

Olivier Jeunen · Ciarán Gilligan-Lee · Rishabh Mehrotra · Mounia Lalmas

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## **Product Ranking for Revenue Maximization with Multiple Purchases**

Renzhe Xu · Xingxuan Zhang · Bo Li · Yafeng Zhang · Xiaolong Chen · Peng Cui

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## **Towards Practical Control of Singular Values of Convolutional Layers**

Alexandra Senderovich · Ekaterina Bulatova · Anton Obukhov · Maxim Rakhuba

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## **Embracing Consistency: A One-Stage Approach for Spatio-Temporal Video Grounding**

Yang Jin · yongzhi li · Zehuan Yuan · Yadong Mu

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## **BadPrompt: Backdoor Attacks on Continuous Prompts**

Xiangrui Cai · Haidong Xu · Sihan Xu · Ying ZHANG · Yuan xiaojie

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## **Data Augmentation MCMC for Bayesian Inference from Privatized Data**

Nianqiao Ju · Jordan Awan · Ruobin Gong · Vinayak Rao

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## **Faster Stochastic Algorithms for Minimax Optimization under Polyak-Łojasiewicz Condition**

Lesi Chen · Boyuan Yao · Luo Luo

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## **A Unified Model for Multi-class Anomaly Detection**

Zhiyuan You · Lei Cui · Yujun Shen · Kai Yang · Xin Lu · Yu Zheng · Xinyi Le

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## **When Adversarial Training Meets Vision Transformers: Recipes from Training to Architecture**

Yichuan Mo · Dongxian Wu · Yifei Wang · Yiwen Guo · Yisen Wang

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## **LBD: Decouple Relevance and Observation for Individual-Level Unbiased Learning to Rank**

Mouxiang Chen · Chenghao Liu · Zemin Liu · Jianling Sun

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## **CoNT: Contrastive Neural Text Generation**

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### **SegViT: Semantic Segmentation with Plain Vision Transformers**

Bowen Zhang · Zhi Tian · Quan Tang · Xiangxiang Chu · Xiaolin Wei · Chunhua Shen · Yifan Liu

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### **Self-Supervised Learning via Maximum Entropy Coding**

Xin Liu · Zhongdao Wang · Ya-Li Li · Shengjin Wang

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### **Generative Time Series Forecasting with Diffusion, Denoise, and Disentanglement**

Yan Li · Xinjiang Lu · Yaqing Wang · Dejing Dou

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### **Geodesic Self-Attention for 3D Point Clouds**

Zhengyu Li · XUAN TANG · Zihao Xu · Xihao Wang · Hui Yu · Mingsong Chen · xian wei

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### **Shape, Light, and Material Decomposition from Images using Monte Carlo Rendering and Denoising**

Jon Hasselgren · Nikolai Hofmann · Jacob Munkberg

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### **[Re] Understanding Self-Supervised Learning Dynamics without Contrastive Pairs**

Tobias Höppe · Agnieszka Miszurkwa · Dennis Bogatov Wilkman

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### **Contrastive Language-Image Pre-Training with Knowledge Graphs**

Xuran Pan · Tianzhu Ye · Dongchen Han · Shiji Song · Gao Huang

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### **Teach Less, Learn More: On the Undistillable Classes in Knowledge Distillation**

Yichen Zhu · Ning Liu · Zhiyuan Xu · Xin Liu · Weibin Meng · Louis Wang · Zhicai Ou · Jian Tang

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### **Multiagent Q-learning with Sub-Team Coordination**

Wenhan Huang · Kai Li · Kun Shao · Tianze Zhou · Matthew Taylor · Jun Luo · Dongge Wang · Hangyu Mao · Jianye Hao · Jun Wang · Xiaotie Deng

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| <b>Near-Optimal Regret Bounds for Multi-batch Reinforcement Learning</b>                                    |        |
| Zihan Zhang · Yuhang Jiang · Yuan Zhou · Xiangyang Ji   |        |
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| <b>Personalized Federated Learning towards Communication Efficiency, Robustness and Fairness</b>                       |        |
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| Xian Liu · Qianyi Wu · Hang Zhou · Yuanqi Du · Wayne Wu · Dahua Lin · Ziwei Liu                             |        |
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| <b>Estimating Noise Transition Matrix with Label Correlations for Noisy Multi-Label Learning</b>                       |        |
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| <b>Robust Anytime Learning of Markov Decision Processes</b>  |        |
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| <b>On Translation and Reconstruction Guarantees of the Cycle-Consistent Generative Adversarial Networks</b> |        |
| Anish Chakrabarty · Swagatam Das  |        |
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| <b>Asymptotically Unbiased Instance-wise Regularized Partial AUC Optimization: Theory and Algorithm</b> |        |
| HuiYang Shao · Qianqian Xu · Zhiyong Yang · Shilong Bao · Qingming Huang                                |        |
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| <b>SCINet: Time Series Modeling and Forecasting with Sample Convolution and Interaction</b>                   |        |
| Minhao LIU · Ailing Zeng · Muxi Chen · Zhijian Xu · Qiuxia LAI · Lingna Ma · Qiang Xu                         |        |
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| <b>HyperDomainNet: Universal Domain Adaptation for Generative Adversarial Networks</b>             |        |
| Aibek Alanov · Vadim Titov · Dmitry Vetrov   |        |
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| <b>FreGAN: Exploiting Frequency Components for Training GANs under Limited Data</b> |        |

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### ***HUMANISE: Language-conditioned Human Motion Generation in 3D Scenes***

Zan Wang · Yixin Chen · Tengyu Liu · Yixin Zhu · Wei Liang · Siyuan Huang

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### ***Benefits of Additive Noise in Composing Classes with Bounded Capacity***

Alireza Fathollah Pour · Hassan Ashtiani

None

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### ***Non-Monotonic Latent Alignments for CTC-Based Non-Autoregressive Machine Translation***

Chenze Shao · Yang Feng

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### ***Neural Surface Reconstruction of Dynamic Scenes with Monocular RGB-D Camera***

Hongrui Cai · Wanquan Feng · Xuetao Feng · Yan Wang · Juyong Zhang

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### ***A Greek Parliament Proceedings Dataset for Computational Linguistics and Political Analysis***

Konstantina Dritsa · Aikaterini Thoma · Ioannis Pavlopoulos · Panos Louridas

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### ***A Comprehensive Study on Large-Scale Graph Training: Benchmarking and Rethinking***

Keyu Duan · Zirui Liu · Peihao Wang · Wenqing Zheng · Kaixiong Zhou · Tianlong Chen · Xia Hu · Zhangyang Wang  
In Poster Session 1

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### ***Efficient Change-Point Detection for Tackling Piecewise-Stationary Bandits***

Lilian Besson · Emilie Kaufmann · Odalric-Ambrym Maillard · Julien Seznec

In Poster Session 1

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### ***Adversarial Auto-Augment with Label Preservation: A Representation Learning Principle Guided Approach***

Kaiwen Yang · Yanchao Sun · Jiahao Su · Fengxiang He · Xinmei Tian · Furong Huang · Tianyi Zhou · Dacheng Tao  
In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #103

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### ***Functional Ensemble Distillation***

Coby Penso · Idan Achituv · Ethan Fetaya

In Poster Session 1

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## **Improving Zero-Shot Generalization in Offline Reinforcement Learning using Generalized Similarity Functions**

Bogdan Mazoure · Ilya Kostrikov · Ofir Nachum · Jonathan Tompson

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #107

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## **Differentially Private Model Compression**

Fatemeh Sadat Mireshghallah · Arturs Backurs · Huseyin A. Inan · Lukas Wutschitz · Janardhan Kulkarni

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #108

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## **Self-explaining deep models with logic rule reasoning**

Seungeon Lee · Xiting Wang · Sungwon Han · Xiaoyuan Yi · Xing Xie · Meeyoung Cha

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #109

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## **AutoLink: Self-supervised Learning of Human Skeletons and Object Outlines by Linking Keypoints**

Xingzhe He · Bastian Wandt · Helge Rhodin

In Poster Session 1

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## **Behavior Transformers: Cloning $k$ modes with one stone**

Nur Muhammad Shafiuallah · Zichen Cui · Ariuntuya (Arty) Altanzaya · Lerrel Pinto

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #111

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## **Equivariant Networks for Zero-Shot Coordination**

Darius Muglich · Christian Schroeder de Witt · Elise van der Pol · Shimon Whiteson · Jakob Foerster

In Poster Session 1

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## **Bandit Theory and Thompson Sampling-Guided Directed Evolution for Sequence Optimization**

Hui Yuan · Chengzhuo Ni · Huazheng Wang · Xuezhou Zhang · Le Cong · Csaba Szepesvari · Mengdi Wang

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## **What You See is What You Classify: Black Box Attributions**

Steven Stalder · Nathanael Perraudin · Radhakrishna Achanta · Fernando Perez-Cruz · Michele Volpi

In Poster Session 1

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## **Active Surrogate Estimators: An Active Learning Approach to Label-Efficient Model Evaluation**

Jannik Kossen · Sebastian Farquhar · Yarin Gal · Thomas Rainforth

In Poster Session 1

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## **Tree ensemble kernels for Bayesian optimization with known constraints over mixed-feature spaces**

Alexander Thebelt · Calvin Tsay · Robert Lee · Nathan Sudermann-Merx · David Walz · Behrang Shafei · Ruth Misener

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## **Sparse Fourier Backpropagation in Cryo-EM Reconstruction**

Dari Kimanis · Kiarash Jamali · Sjors Scheres

In Poster Session 1

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## **Predictive Querying for Autoregressive Neural Sequence Models**

Alex Boyd · Samuel Showalter · Stephan Mandt · Padhraic Smyth

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## **Extracting computational mechanisms from neural data using low-rank RNNs**

Adrian Valente · Jonathan Pillow · Srdjan Ostojic

In Poster Session 1

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## **Modeling the Machine Learning Multiverse**

Samuel J. Bell · Onno Kampman · Jesse Dodge · Neil Lawrence

In Poster Session 1

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## **AUTOMATA: Gradient Based Data Subset Selection for Compute-Efficient Hyper-parameter Tuning**

Krishnateja Killamsetty · Guttu Sai Abhishek · Aakriti Lnu · Ganesh Ramakrishnan · Alexandre Evgimievski · Lucian Popa · Rishabh Iyer

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## **Retrospective Adversarial Replay for Continual Learning**

Lilly Kumari · Shengjie Wang · Tianyi Zhou · Jeff A Bilmes

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## **Learning Neural Set Functions Under the Optimal Subset Oracle**

Zijing Ou · Tingyang Xu · Qinliang Su · Yingzhen Li · Peilin Zhao · Yatao Bian

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## **Efficient Architecture Search for Diverse Tasks**

Junhong Shen · Misha Khodak · Ameet Talwalkar

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## **When Do Flat Minima Optimizers Work?**

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### **The Unreasonable Effectiveness of Fully-Connected Layers for Low-Data Regimes**

Peter Kocsis · Peter Súkeník · Guillem Braso · Matthias Niessner · Laura Leal-Taixé · Ismail Elezi

In Poster Session 1

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### **LTMD: Learning Improvement of Spiking Neural Networks with Learnable Thresholding Neurons and Moderate Dropout**

SIQI WANG · Tee Hiang Cheng · Meng-Hiot Lim

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### **Attracting and Dispersing: A Simple Approach for Source-free Domain Adaptation**

Shiqi Yang · yaxing wang · kai wang · Shangling Jui · Joost van de Weijer

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### **UMIX: Improving Importance Weighting for Subpopulation Shift via Uncertainty-Aware Mixup**

Zongbo Han · Zhipeng Liang · Fan Yang · Liu Liu · Lanqing Li · Yatao Bian · Peilin Zhao · Bingzhe Wu · Changqing Zhang · Jianhua Yao

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### **Scalable Multi-agent Covering Option Discovery based on Kronecker Graphs**

Jiayu Chen · Jingdi Chen · Tian Lan · Vaneet Aggarwal

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### **PaCo: Parameter-Compositional Multi-task Reinforcement Learning**

Lingfeng Sun · Haichao Zhang · Wei Xu · Masayoshi TOMIZUKA

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### **ConfounderGAN: Protecting Image Data Privacy with Causal Confounder**

Qi Tian · Kun Kuang · Kelu Jiang · Furui Liu · Zhihua Wang · Fei Wu

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### **Mask-based Latent Reconstruction for Reinforcement Learning**

Tao Yu · Zhizheng Zhang · Cuiling Lan · Yan Lu · Zhibo Chen

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### **Improved Fine-Tuning by Better Leveraging Pre-Training Data**

Ziquan Liu · Yi Xu · Yuanhong Xu · Qi Qian · Hao Li · Xiangyang Ji · Antoni Chan · Rong Jin

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## **Redundancy-Free Message Passing for Graph Neural Networks**

Rongqin Chen · Shenghui Zhang · Leong Hou U · Ye Li

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## **Towards Improving Faithfulness in Abstractive Summarization**

Xiuying Chen · Mingzhe Li · Xin Gao · Xiangliang Zhang

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## **Delving into Out-of-Distribution Detection with Vision-Language Representations**

Yifei Ming · Ziyang Cai · Jiuxiang Gu · Yiyou Sun · Wei Li · Yixuan Li

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## **CodeRL: Mastering Code Generation through Pretrained Models and Deep Reinforcement Learning**

Hung Le · Yue Wang · Akhilesh Deepak Gotmare · Silvio Savarese · Steven Chu Hong Hoi

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## **Layer Freezing & Data Sieving: Missing Pieces of a Generic Framework for Sparse Training**

Geng Yuan · Yanyu Li · Sheng Li · Zhenglun Kong · Sergey Tulyakov · Xulong Tang · Yanzhi Wang · Jian Ren In Poster Session 1

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## **EfficientFormer: Vision Transformers at MobileNet Speed**

Yanyu Li · Geng Yuan · Yang Wen · Ju Hu · Georgios Evangelidis · Sergey Tulyakov · Yanzhi Wang · Jian Ren In Poster Session 1

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## **VideoMAE: Masked Autoencoders are Data-Efficient Learners for Self-Supervised Video Pre-Training**

Zhan Tong · Yibing Song · Jue Wang · Limin Wang

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## **Large-batch Optimization for Dense Visual Predictions**

Zeyue Xue · Jianming Liang · Guanglu Song · Zhuofan Zong · Liang Chen · Yu Liu · Ping Luo

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## **Semi-Supervised Video Salient Object Detection Based on Uncertainty-Guided Pseudo Labels**

Yongri Piao · Chenyang Lu · Miao Zhang · Huchuan Lu

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## **UniCLIP: Unified Framework for Contrastive Language-Image Pre-training**

Janghyeon Lee · Jongsuk Kim · Hyounguk Shon · Bumsoo Kim · Seung Hwan Kim · Honglak Lee · Junmo Kim In Poster Session 1

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## **Controllable 3D Face Synthesis with Conditional Generative Occupancy Fields**

Keqiang Sun · Shangzhe Wu · Zhaoyang Huang · Ning Zhang · Quan Wang · Hongsheng Li

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## **Learning Consistency-Aware Unsigned Distance Functions Progressively from Raw Point Clouds**

Junsheng Zhou · Baorui Ma · Yu-Shen Liu · Yi Fang · Zhizhong Han

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## **Understanding Cross-Domain Few-Shot Learning Based on Domain Similarity and Few-Shot Difficulty**

Jaehoon Oh · Sungnyun Kim · Namgyu Ho · Jin-Hwa Kim · Hwanjun Song · Se-Young Yun

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## **Okapi: Generalising Better by Making Statistical Matches Match**

Myles Bartlett · Sara Romiti · Viktoriia Sharmancka · Novi Quadrianto

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## **Revisiting Sparse Convolutional Model for Visual Recognition**

xili dai · Mingyang Li · Pengyuan Zhai · Shengbang Tong · Xingjian Gao · Shao-Lun Huang · Zhihui Zhu · Chong You · Yi Ma

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## **Random Normalization Aggregation for Adversarial Defense**

Minjing Dong · Xinghao Chen · Yunhe Wang · Chang Xu

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## **Batch Multi-Fidelity Active Learning with Budget Constraints**

Shibo Li · Jeff M Phillips · Xin Yu · Robert Kirby · Shandian Zhe

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## **Scalable and Efficient Training of Large Convolutional Neural Networks with Differential Privacy**

Zhiqi Bu · Jialin Mao · Shiyun Xu

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## **Factuality Enhanced Language Models for Open-Ended Text Generation**

Nayeon Lee · Wei Ping · Peng Xu · Mostafa Patwary · Mohammad Shoeybi · Bryan Catanzaro

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**Learn to Explain: Multimodal Reasoning via Thought Chains for Science Question Answering**

Pan Lu · Swaroop Mishra · Tanglin Xia · Liang Qiu · Kai-Wei Chang · Song-Chun Zhu · Oyvind Tafjord · Peter Clark · Ashwin Kalyan

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**A Closer Look at Weakly-Supervised Audio-Visual Source Localization**

Shentong Mo · Pedro Morgado

In Poster Session 1

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**GlanceNets: Interpretable, Leak-proof Concept-based Models**

Emanuele Marconato · Andrea Passerini · Stefano Teso

In Poster Session 1

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**AgraSSt: Approximate Graph Stein Statistics for Interpretable Assessment of Implicit Graph Generators**

Wenkai Xu · Gesine D Reinert

In Poster Session 1

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**No Free Lunch from Deep Learning in Neuroscience: A Case Study through Models of the Entorhinal-Hippocampal Circuit**

Rylan Schaeffer · Mikail Khona · Ila Fiete

In Poster Session 1

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**Inherently Explainable Reinforcement Learning in Natural Language**

Xiangyu Peng · Mark Riedl · Prithviraj Ammanabrolu

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**EZNAS: Evolving Zero-Cost Proxies For Neural Architecture Scoring**

Yash Akhauri · Juan Munoz · Nilesh Jain · Ravishankar Iyer

In Poster Session 1

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**Uncertainty Estimation Using Riemannian Model Dynamics for Offline Reinforcement Learning**

Guy Tennenholtz · Shie Mannor

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #223

Poster

**Structured Energy Network As a Loss**

Jay Yoon Lee · Dhruvesh Patel · Purujit Goyal · Wenlong Zhao · Zhiyang Xu · Andrew McCallum

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #222

Poster

### **The Minority Matters: A Diversity-Promoting Collaborative Metric Learning Algorithm**

Shilong Bao · Qianqian Xu · Zhiyong Yang · Yuan He · Xiaochun Cao · Qingming Huang

In Poster Session 1

[ [Poster](#) ] [  [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #221

Poster

### **Sharpness-Aware Training for Free**

JIAWEI DU · Daquan Zhou · Jiashi Feng · Vincent Tan · Joey Tianyi Zhou

In Poster Session 1

[ [Poster](#) ] [  [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #220

Poster

### **Interpreting Operation Selection in Differentiable Architecture Search: A Perspective from Influence-Directed Explanations**

Miao Zhang · Wei Huang · Bin Yang

In Poster Session 1

[ [Slides](#) ] [  [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #219

Poster

### **Scalable design of Error-Correcting Output Codes using Discrete Optimization with Graph Coloring**

Samarth Gupta · Saurabh Amin

In Poster Session 1

[  [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #218

Poster

### **Amortized Mixing Coupling Processes for Clustering**

Huafeng Liu · Liping Jing

In Poster Session 1

[  [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #217

Poster

### **GraphQNTK: Quantum Neural Tangent Kernel for Graph Data**

Yehui Tang · Junchi Yan

In Poster Session 1

[ [Poster](#) ] [  [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #216

Poster

### **ShuffleMixer: An Efficient ConvNet for Image Super-Resolution**

Long Sun · Jinshan Pan · Jinhui Tang

In Poster Session 1

[  [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #215

Poster

### **Quo Vadis: Is Trajectory Forecasting the Key Towards Long-Term Multi-Object Tracking?**

Patrick Dendorfer · Vladimir Yugay · Aljosa Osep · Laura Leal-Taixé

In Poster Session 1

[ [Poster](#) ] [  [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #214

Poster

### **Adapting Self-Supervised Vision Transformers by Probing Attention-Conditioned Masking Consistency**

Viraj Prabhu · Sriram Yenamandra · Aaditya Singh · Judy Hoffman

In Poster Session 1

[  [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #213

Poster

## **Learning Latent Seasonal-Trend Representations for Time Series Forecasting**

Zhiyuan Wang · Xovee Xu · Goce Trajcevski · Weifeng Zhang · Ting Zhong · Fan Zhou

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #212

Poster

## **Pluralistic Image Completion with Gaussian Mixture Models**

Xiaobo Xia · Wenhao Yang · Jie Ren · Yewen Li · Yibing Zhan · Bo Han · Tongliang Liu

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #211

Poster

## **CoupAlign: Coupling Word-Pixel with Sentence-Mask Alignments for Referring Image Segmentation**

Zicheng Zhang · Yi Zhu · Jianzhuang Liu · Xiaodan Liang · Wei Ke

In Poster Session 1

[  Slides ] [  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #210

Poster

## **Make an Omelette with Breaking Eggs: Zero-Shot Learning for Novel Attribute Synthesis**

Yu-Hsuan Li · Tzu-Yin Chao · Ching-Chun Huang · Pin-Yu Chen · Wei-Chen Chiu

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #209

Poster

## **Graph Few-shot Learning with Task-specific Structures**

Song Wang · Chen Chen · Jundong Li

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #208

Poster

## **Co-Modality Graph Contrastive Learning for Imbalanced Node Classification**

Yiyue Qian · Chunhui Zhang · Yiming Zhang · Qianlong Wen · Yanfang Ye · Chuxu Zhang

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #207

Poster

## **Recommender Forest for Efficient Retrieval**

Chao Feng · Wuchao Li · Defu Lian · Zheng Liu · Enhong Chen

In Poster Session 1

[  Slides ] [  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #206

Poster

## **Label Noise in Adversarial Training: A Novel Perspective to Study Robust Overfitting**

Chengyu Dong · Liyuan Liu · Jingbo Shang

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #205

Poster

## **Randomized Message-Interception Smoothing: Gray-box Certificates for Graph Neural Networks**

Yan Scholten · Jan Schuchardt · Simon Geisler · Aleksandar Bojchevski · Stephan Günnemann

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #204

Poster

## **SemiFL: Semi-Supervised Federated Learning for Unlabeled Clients with Alternate Training**

Enmao Diao · Jie Ding · Vahid Tarokh

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #203

Poster

### **Task-Agnostic Graph Explanations**

Yaochen Xie · Sumeet Katariya · Xianfeng Tang · Edward Huang · Nikhil Rao · Karthik Subbian · Shuiwang Ji     In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #202

Poster

### **CageNeRF: Cage-based Neural Radiance Field for Generalized 3D Deformation and Animation**

Yicong Peng · Yichao Yan · Shengqi Liu · Yuhao Cheng · Shanyan Guan · Bowen Pan · Guangtao Zhai · Xiaokang Yang

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #201

Poster

### **LECO: Learnable Episodic Count for Task-Specific Intrinsic Reward**

Daejin Jo · Sungwoong Kim · Daniel Nam · Taehwan Kwon · Seungeun Rho · Jongmin Kim · Donghoon Lee

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #200

Poster

### **Resource-Adaptive Federated Learning with All-In-One Neural Composition**

Yiqun Mei · Pengfei Guo · Mo Zhou · Vishal Patel

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #300

Poster

### **Block-Recurrent Transformers**

DeLesley Hutchins · Imanol Schlag · Yuhuai Wu · Ethan Dyer · Behnam Neyshabur

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #302

Poster

### **Distinguishing Learning Rules with Brain Machine Interfaces**

Jacob Portes · Christian Schmid · James M Murray

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #303

Poster

### **Imitating Past Successes can be Very Suboptimal**

Benjamin Eysenbach · Soumith Udatha · Russ Salakhutdinov · Sergey Levine

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #304

Poster

### **Bounded-Regret MPC via Perturbation Analysis: Prediction Error, Constraints, and Nonlinearity**

Yiheng Lin · Yang Hu · Guannan Qu · Tongxin Li · Adam Wierman

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #305

Poster

### **Neural Conservation Laws: A Divergence-Free Perspective**

Jack Richter-Powell · Yaron Lipman · Ricky T. Q. Chen

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #306

Poster

## **Relaxing Equivariance Constraints with Non-stationary Continuous Filters**

Tycho van der Ouderaa · David W. Romero · Mark van der Wilk

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #307

Poster

## **Continual Learning In Environments With Polynomial Mixing Times**

Matthew Riemer · Sharath Chandra Raparthy · Ignacio Cases · Gopeshh Subbaraj · Maximilian Puelma Touzel · In Poster Session 1

Irina Rish

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #308

Poster

## **Non-Linear Coordination Graphs**

Yipeng Kang · Tonghan Wang · Qianlan Yang · Chongjie Zhang

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #309

Poster

## **Rate-Distortion Theoretic Bounds on Generalization Error for Distributed Learning**

Milad Sefidgaran · Romain Chor · Abdellatif Zaidi

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #310

Poster

## **Mirror Descent Maximizes Generalized Margin and Can Be Implemented Efficiently**

Haoyuan Sun · Kwangjun Ahn · Christos Thrampoulidis · Navid Azizan

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #311

Poster

## **Instance-Dependent Policy Learning for Linear MDPs via Online Experiment Design**

Andrew Wagenmaker · Kevin Jamieson

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #312

Poster

## **On the Complexity of Adversarial Decision Making**

Dylan J Foster · Alexander Rakhlin · Ayush Sekhari · Karthik Sridharan

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #313

Poster

## **Convergence beyond the over-parameterized regime using Rayleigh quotients**

David A. R. Robin · Kevin Scaman · marc lelarge

In Poster Session 1

[  Slides ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #314

Poster

## **An Algorithm for Learning Switched Linear Dynamics from Data**

Guillaume Berger · Monal Narasimhamurthy · Kandai Watanabe · Morteza Lahijanian · Sriram Sankaranarayanan

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #315

Poster

## **Differentially Private Learning Needs Hidden State (Or Much Faster Convergence)**

Jiayuan Ye · Reza Shokri

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #316

Poster

## **Cluster Randomized Designs for One-Sided Bipartite Experiments**

Jennifer Brennan · Vahab Mirrokni · Jean Pouget-Abadie

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #317

Poster

## **Near-Optimal Randomized Exploration for Tabular Markov Decision Processes**

Zhihan Xiong · Ruqi Shen · Qiwen Cui · Maryam Fazel · Simon Du

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #318

Poster

## **Order-Invariant Cardinality Estimators Are Differentially Private**

Charlie Dickens · Justin Thaler · Daniel Ting

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #319

Poster

## **Mirror Descent with Relative Smoothness in Measure Spaces, with application to Sinkhorn and EM**

Pierre-Cyril Aubin-Frankowski · Anna Korba · Flavien Léger

In Poster Session 1

[ Slides ] [ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #320

Poster

## **Generalization Error Bounds on Deep Learning with Markov Datasets**

Lan V. Truong

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #321

Poster

## **Autoinverse: Uncertainty Aware Inversion of Neural Networks**

Navid Ansari · Hans-peter Seidel · Nima Vahidi Ferdowsi · Vahid Babaei

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #322

Poster

## **Optimal Transport of Classifiers to Fairness**

Maarten Buyl · Tijl De Bie

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #323

Poster

## **Path Independent Equilibrium Models Can Better Exploit Test-Time Computation**

Cem Anil · Ashwini Pokle · Kaiqu Liang · Johannes Treutlein · Yuhuai Wu · Shaojie Bai · J. Zico Kolter · Roger Grosse

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #324

Poster

## **Fair Infinitesimal Jackknife: Mitigating the Influence of Biased Training Data Points Without Refitting**

Prasanna Sattigeri · Soumya Ghosh · Inkit Padhi · Pierre Dognin · Kush Varshney

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #325

Poster

## **On Sample Optimality in Personalized Collaborative and Federated Learning**

Mathieu Even · Laurent Massoulié · Kevin Scaman

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #326

Poster

### **Active Ranking without Strong Stochastic Transitivity**

Hao Lou · Tao Jin · Yue Wu · Pan Xu · Quanquan Gu · Farzad Farnoud

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #327

Poster

### **How Sampling Impacts the Robustness of Stochastic Neural Networks**

Sina Däubener · Asja Fischer

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #328

Poster

### **Convexity Certificates from Hessians**

Julien Klaus · Niklas Merk · Konstantin Wiedom · Sören Laue · Joachim Giesen

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #329

Poster

### **Optimal Binary Classification Beyond Accuracy**

Shashank Singh · Justin Khim

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #330

Poster

### **Sample Constrained Treatment Effect Estimation**

Raghavendra Addanki · David Arbour · Tung Mai · Cameron Musco · Anup Rao

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #331

Poster

### **Privacy of Noisy Stochastic Gradient Descent: More Iterations without More Privacy Loss**

Jason Altschuler · Kunal Talwar

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #332

Poster

### **SecureFedYJ: a safe feature Gaussianization protocol for Federated Learning**

Tanguy Marchand · Boris Muzellec · Constance Béguier · Jean Ogier du Terrail · Mathieu Andreux

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #333

Poster

### **Continual learning: a feature extraction formalization, an efficient algorithm, and fundamental obstructions**

Binghui Peng · Andrej Risteski

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #334

Poster

### **Evolution of Neural Tangent Kernels under Benign and Adversarial Training**

Noel Loo · Ramin Hasani · Alexander Amini · Daniela Rus

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #335

Poster

### **Parameters or Privacy: A Provable Tradeoff Between Overparameterization and Membership Inference**

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #336

Poster

### **Active Exploration for Inverse Reinforcement Learning**

David Lindner · Andreas Krause · Giorgia Ramponi

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #337

Poster

### **A Unified Framework for Deep Symbolic Regression**

Mikel Landajuela · Chak Shing Lee · Jiachen Yang · Ruben Glatt · Claudio P Santiago · Ignacio Aravena · Terrell Mundhenk · Garrett Mulcahy · Brenden K Petersen

[  Slides ] [  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #338

Poster

### **Learning Generalized Policy Automata for Relational Stochastic Shortest Path Problems**

Rushang Karia · Rashmeet Kaur Nayyar · Siddharth Srivastava

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #339

Poster

### **CARD: Classification and Regression Diffusion Models**

Xizewen Han · Huangjie Zheng · Mingyuan Zhou

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #340

Poster

### **GT-GAN: General Purpose Time Series Synthesis with Generative Adversarial Networks**

Jinsung Jeon · JEONGHAK KIM · Haryong Song · Seunghyeon Cho · Noseong Park

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #341

Poster

### **So3krates: Equivariant attention for interactions on arbitrary length-scales in molecular systems**

Thorben Frank · Oliver Unke · Klaus-Robert Müller

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #342

Poster

### **Micro and Macro Level Graph Modeling for Graph Variational Auto-Encoders**

Kiarash Zahirnia · Oliver Schulte · Parmis Naddaf · Ke Li

In Poster Session 1

[  Slides ] [  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #442

Poster

### **Learning Representations via a Robust Behavioral Metric for Deep Reinforcement Learning**

Jianda Chen · Sinno Pan

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #441

Poster

### **Transferring Fairness under Distribution Shifts via Fair Consistency Regularization**

Bang An · Zora Che · Mucong Ding · Furong Huang

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #440

Poster

## **Bridging the Gap from Asymmetry Tricks to Decorrelation Principles in Non-contrastive Self-supervised Learning**

Kang-Jun Liu · Masanori Saganuma · Takayuki Okatani

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #439

Poster

## **Template based Graph Neural Network with Optimal Transport Distances**

Cédric Vincent-Cuaz · Rémi Flamary · Marco Corneli · Titouan Vayer · Nicolas Courty

In Poster Session 1

[ Slides ] [ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #438

Poster

## **A composable machine-learning approach for steady-state simulations on high-resolution grids**

Rishikesh Ranade · Chris Hill · Lalit Ghule · Jay Pathak

In Poster Session 1

[ Slides ] [ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #437

Poster

## **SoteriaFL: A Unified Framework for Private Federated Learning with Communication Compression**

Zhize Li · Haoyu Zhao · Boyue Li · Yuejie Chi

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #436

Poster

## **A Unified Analysis of Mixed Sample Data Augmentation: A Loss Function Perspective**

Chanwoo Park · Sangdoo Yun · Sanghyuk Chun

In Poster Session 1

[ Slides ] [ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #435

Poster

## **From Gradient Flow on Population Loss to Learning with Stochastic Gradient Descent**

Christopher De Sa · Satyen Kale · Jason Lee · Ayush Sekhari · Karthik Sridharan

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #434

Poster

## **Stability and Generalization for Markov Chain Stochastic Gradient Methods**

Puyu Wang · Yunwen Lei · Yiming Ying · Ding-Xuan Zhou

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #433

Poster

## **Learning Energy Networks with Generalized Fenchel-Young Losses**

Mathieu Blondel · Felipe Llinares-Lopez · Robert Dadashi · Leonard Hussenot · Matthieu Geist

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #432

Poster

## **AZ-whiteness test: a test for signal uncorrelation on spatio-temporal graphs**

Daniele Zambon · Cesare Alippi

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #431

Poster

## **Equivariant Networks for Crystal Structures**

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #430

Poster

**Text Classification with Born's Rule**

Emanuele Guidotti · Alfio Ferrara

In Poster Session 1

[\[ Slides \]](#) [\[ Poster \]](#) [\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #429

Poster

**A Probabilistic Graph Coupling View of Dimension Reduction**

Hugues Van Assel · Thibault Espinasse · Julien Chiquet · Franck Picard

In Poster Session 1

[\[ Poster \]](#) [\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #428

Poster

**Laplacian Autoencoders for Learning Stochastic Representations**

Marco Miani · Frederik Warburg · Pablo Moreno-Muñoz · Nicki Skafte · Søren Hauberg

In Poster Session 1

[\[ Poster \]](#) [\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #427

Poster

**3DILG: Irregular Latent Grids for 3D Generative Modeling**

Biao Zhang · Matthias Niessner · Peter Wonka

In Poster Session 1

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #426

Poster

**UQGAN: A Unified Model for Uncertainty Quantification of Deep Classifiers trained via Conditional GANs**

Philipp Oberdiek · Gernot Fink · Matthias Rottmann

In Poster Session 1

[\[ Slides \]](#) [\[ Poster \]](#) [\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #425

Poster

**Variational Model Perturbation for Source-Free Domain Adaptation**

Mengmeng Jing · Xiantong Zhen · Jingjing Li · Cees Snoek

In Poster Session 1

[\[ Poster \]](#) [\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #424

Poster

**On the Effect of Pre-training for Transformer in Different Modality on Offline Reinforcement Learning**

Shiro Takagi

In Poster Session 1

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #423

Poster

**Where2comm: Communication-Efficient Collaborative Perception via Spatial Confidence Maps**

Yue Hu · Shaoheng Fang · Zixing Lei · Yiqi Zhong · Siheng Chen

In Poster Session 1

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #422

Poster

**EcoFormer: Energy-Saving Attention with Linear Complexity**

Jing Liu · Zizheng Pan · Haoyu He · Jianfei Cai · Bohan Zhuang

In Poster Session 1

[\[ Slides \]](#) [\[ Poster \]](#) [\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #421

Poster

## **Dataset Distillation using Neural Feature Regression**

Yongchao Zhou · Ehsan Nezhadarya · Jimmy Ba

In Poster Session 1

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #420

Poster

## **Iterative Scene Graph Generation**

Siddhesh Khandelwal · Leonid Sigal

In Poster Session 1

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #419

Poster

## **ALIFE: Adaptive Logit Regularizer and Feature Replay for Incremental Semantic Segmentation**

Youngmin Oh · Donghyeon Baek · Bumsub Ham

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #418

Poster

## **Hyperbolic Feature Augmentation via Distribution Estimation and Infinite Sampling on Manifolds**

Zhi Gao · Yuwei Wu · Yunde Jia · Mehrtash Harandi

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #417

Poster

## **Provably Adversarially Robust Detection of Out-of-Distribution Data (Almost) for Free**

Alexander Meinke · Julian Bitterwolf · Matthias Hein

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #416

Poster

## **Distributed Methods with Compressed Communication for Solving Variational Inequalities, with Theoretical Guarantees**

Aleksandr Beznosikov · Peter Richtarik · Michael Diskin · Max Ryabinin · Alexander Gasnikov

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #415

Poster

## **Global Convergence and Stability of Stochastic Gradient Descent**

Vivak Patel · Shushu Zhang · Bowen Tian

In Poster Session 1

[ [Slides](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #414

Poster

## **Regret Bounds for Information-Directed Reinforcement Learning**

Botao Hao · Tor Lattimore

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #413

Poster

## **Truncated Matrix Power Iteration for Differentiable DAG Learning**

Zhen Zhang · Ignavier Ng · Dong Gong · Yuhang Liu · Ehsan Abbasnejad · Mingming Gong · Kun Zhang · Javen In Poster Session 1  
Qinfeng Shi

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #412

Poster

## Error Analysis of Tensor-Train Cross Approximation

Zhen Qin · Alexander Lidiak · Zhexuan Gong · Gongguo Tang · Michael B Wakin · Zhihui Zhu

In Poster Session 1

[  OpenReview ]

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Poster

## Efficient Risk-Averse Reinforcement Learning

Ido Greenberg · Yinlam Chow · Mohammad Ghavamzadeh · Shie Mannor

In Poster Session 1

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Poster

## Models Out of Line: A Fourier Lens on Distribution Shift Robustness

Sara Fridovich-Keil · Brian Bartoldson · James Diffenderfer · Bhavya Kailkhura · Timo Bremer

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #409

Poster

## Learning Robust Dynamics through Variational Sparse Gating

Arnav Kumar Jain · Shivakanth Sujit · Shruti Joshi · Vincent Michalski · Danijar Hafner · Samira Ebrahimi Kahou In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #408

Poster

## DiSC: Differential Spectral Clustering of Features

Ram Dyuthi Sristi · Gal Mishne · Ariel Jaffe

In Poster Session 1

[  OpenReview ]

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Poster

## WeightedSHAP: analyzing and improving Shapley based feature attributions

Yongchan Kwon · James Zou

In Poster Session 1

[ Slides ] [ Poster ] [  OpenReview ]

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Poster

## Learning to Reason with Neural Networks: Generalization, Unseen Data and Boolean Measures

Emmanuel Abbe · Samy Bengio · Elisabetta Cornacchia · Jon Kleinberg · Aryo Lotfi · Maithra Raghu · Chiyuan Zhang

In Poster Session 1

[  OpenReview ]

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## Graph Neural Network Bandits

Parnian Kassraie · Andreas Krause · Ilija Bogunovic

In Poster Session 1

[  OpenReview ]

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Poster

## On the Global Convergence Rates of Decentralized Softmax Gradient Play in Markov Potential Games

Runyu Zhang · Jincheng Mei · Bo Dai · Dale Schuurmans · Na Li

In Poster Session 1

[  OpenReview ]

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Poster

## Safety Guarantees for Neural Network Dynamic Systems via Stochastic Barrier Functions

Rayan Mazouz · Karan Muvvala · Akash Ratheesh Babu · Luca Laurenti · Morteza Lahijanian

In Poster Session 1

[  OpenReview ]

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Poster

## **A Unified Framework for Alternating Offline Model Training and Policy Learning**

Shentao Yang · Shujian Zhang · Yihao Feng · Mingyuan Zhou

In Poster Session 1

[ Slides ] [ Poster ] [ ⚑ OpenReview ]

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Poster

## **Decentralized Local Stochastic Extra-Gradient for Variational Inequalities**

Aleksandr Beznosikov · Pavel Dvurechenskii · Anastasiia Koloskova · Valentin Samokhin · Sebastian Stich ·

Alexander Gasnikov

In Poster Session 1

[ ⚑ OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #503

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## **Gradient Estimation with Discrete Stein Operators**

Jiaxin Shi · Yuhao Zhou · Jessica Hwang · Michalis Titsias · Lester Mackey

In Poster Session 1

[ ⚑ OpenReview ]

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Poster

## **On the SDEs and Scaling Rules for Adaptive Gradient Algorithms**

Sadhika Malladi · Kaifeng Lyu · Abhishek Panigrahi · Sanjeev Arora

In Poster Session 1

[ ⚑ OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #506

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## **Root Cause Analysis of Failures in Microservices through Causal Discovery**

Azam Ikram · Sarthak Chakraborty · Subrata Mitra · Shiv Saini · Saurabh Bagchi · Murat Kocaoglu

In Poster Session 1

[ ⚑ OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #507

Poster

## **Low-rank Optimal Transport: Approximation, Statistics and Debiasing**

Meyer Scetbon · Marco Cuturi

In Poster Session 1

[ Poster ] [ ⚑ OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #508

Poster

## **Learning single-index models with shallow neural networks**

Alberto Bietti · Joan Bruna · Clayton Sanford · Min Jae Song

In Poster Session 1

[ ⚑ OpenReview ]

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## **Generalized Variational Inference in Function Spaces: Gaussian Measures meet Bayesian Deep Learning**

Veit David Wild · Robert Hu · Dino Sejdinovic

In Poster Session 1

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## **Efficient identification of informative features in simulation-based inference**

Jonas Beck · Michael Deistler · Yves Bernaerts · Jakob H Macke · Philipp Berens

In Poster Session 1

[ ⚑ OpenReview ]

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## **Exact learning dynamics of deep linear networks with prior knowledge**

Lukas Braun · Clémentine Dominé · James Fitzgerald · Andrew Saxe

In Poster Session 1

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Poster

### **Adversarial training for high-stakes reliability**

Daniel Ziegler · Seraphina Nix · Lawrence Chan · Tim Bauman · Peter Schmidt-Nielsen · Tao Lin · Adam Scherlis In Poster Session 1  
· Noa Nabeshima · Benjamin Weinstein-Raun · Daniel de Haas · Buck Shlegeris · Nate Thomas

[ Slides ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #513

Poster

### **NaturalProver: Grounded Mathematical Proof Generation with Language Models**

Sean Welleck · Jiacheng Liu · Ximing Lu · Hannaneh Hajishirzi · Yejin Choi

In Poster Session 1

[  OpenReview ]

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Poster

### **Open-Ended Reinforcement Learning with Neural Reward Functions**

Robert Meier · Asier Mujika

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #515

Poster

### **Gradient flow dynamics of shallow ReLU networks for square loss and orthogonal inputs**

Etienne Boursier · Loucas PILLAUD-VIVIEN · Nicolas Flammarion

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #516

Poster

### **Memory safe computations with XLA compiler**

Artem Artemev · Tilman Roeder · Mark van der Wilk

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #517

Poster

### **C2FAR: Coarse-to-Fine Autoregressive Networks for Precise Probabilistic Forecasting**

Shane Bergsma · Tim Zeyl · Javad Rahimipour Anaraki · Lei Guo

In Poster Session 1

[ Slides ] [  OpenReview ]

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Poster

### **Continuous MDP Homomorphisms and Homomorphic Policy Gradient**

Sahand Rezaei-Shoshtari · Rosie Zhao · Prakash Panangaden · David Meger · Doina Precup

In Poster Session 1

[  OpenReview ]

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Poster

### **Data augmentation for efficient learning from parametric experts**

Alexandre Galashov · Josh Merel · Nicolas Heess

In Poster Session 1

[  OpenReview ]

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Poster

### **Generating Training Data with Language Models: Towards Zero-Shot Language Understanding**

Yu Meng · Jiaxin Huang · Yu Zhang · Jiawei Han

In Poster Session 1

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Poster

### **Deep Surrogate Assisted Generation of Environments**

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Poster

**SGAM: Building a Virtual 3D World through Simultaneous Generation and Mapping**

Yuan Shen · Wei-Chiu Ma · Shenlong Wang

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #523

Poster

**Evaluating Latent Space Robustness and Uncertainty of EEG-ML Models under Realistic Distribution Shifts**

Neeraj Wagh · Jionghao Wei · Samarth Rawal · Brent M Berry · Yogatheesan Varatharajah

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #524

Poster

**Predicting Cellular Responses to Novel Drug Perturbations at a Single-Cell Resolution**

Leon Hetzel · Simon Boehm · Niki Kilbertus · Stephan Günnemann · mohammad lotfollahi · Fabian Theis

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #525

Poster

**Fine-tuning language models to find agreement among humans with diverse preferences**

Michiel Bakker · Martin Chadwick · Hannah Sheahan · Michael Tessler · Lucy Campbell-Gillingham · Jan

In Poster Session 1

Balaguer · Nat McAleese · Amelia Glaese · John Aslanides · Matt Botvinick · Christopher Summerfield

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Poster

**A Unified Sequence Interface for Vision Tasks**

Ting Chen · Saurabh Saxena · Lala Li · Tsung-Yi Lin · David Fleet · Geoffrey Hinton

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Poster

**Learning Probabilistic Models from Generator Latent Spaces with Hat EBM**

Mitch Hill · Erik Nijkamp · Jonathan Mitchell · Bo Pang · Song-Chun Zhu

In Poster Session 1

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Poster

**Deep Generalized Schrödinger Bridge**

Guan-Horng Liu · Tianrong Chen · Oswin So · Evangelos Theodorou

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #529

Poster

**NSNet: A General Neural Probabilistic Framework for Satisfiability Problems**

Zhaoyu Li · Xujie Si

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #530

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**Distributionally Robust Optimization with Data Geometry**

Jiashuo Liu · Jiayun Wu · Bo Li · Peng Cui

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #531

Poster

## **Quantifying Statistical Significance of Neural Network-based Image Segmentation by Selective Inference**

Vo Nguyen Le Duy · Shogo Iwazaki · Ichiro Takeuchi

In Poster Session 1

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #532

Poster

## **On Efficient Online Imitation Learning via Classification**

Yichen Li · Chicheng Zhang

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #533

Poster

## **Group Meritocratic Fairness in Linear Contextual Bandits**

Riccardo Grazzi · Arya Akhavan · John IF Falk · Leonardo Cella · Massimiliano Pontil

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #534

Poster

## **Subspace Recovery from Heterogeneous Data with Non-isotropic Noise**

John Duchi · Vitaly Feldman · Lunjia Hu · Kunal Talwar

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #535

Poster

## **Knowledge Distillation: Bad Models Can Be Good Role Models**

Gal Kaplun · Eran Malach · Preetum Nakkiran · Shai Shalev-Shwartz

In Poster Session 1

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Poster

## **Active Labeling: Streaming Stochastic Gradients**

Vivien Cabannes · Francis Bach · Vianney Perchet · Alessandro Rudi

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Poster

## **Renyi Differential Privacy of Propose-Test-Release and Applications to Private and Robust Machine Learning**

Jiachen T. Wang · Saeed Mahloujifar · Shouda Wang · Ruoxi Jia · Prateek Mittal

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## **Stability and Generalization of Kernel Clustering: from Single Kernel to Multiple Kernel**

Weixuan Liang · Xinwang Liu · Yong Liu · sihang zhou · Jun-Jie Huang · Siwei Wang · Jiyuan Liu · Yi Zhang · En Zhu

In Poster Session 1

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Poster

## **Near-Optimal No-Regret Learning Dynamics for General Convex Games**

Gabriele Farina · Ioannis Anagnostides · Haipeng Luo · Chung-Wei Lee · Christian Kroer · Tuomas Sandholm

In Poster Session 1

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Poster

## **Constrained Stochastic Nonconvex Optimization with State-dependent Markov Data**

Abhishek Roy · Krishnakumar Balasubramanian · Saeed Ghadimi

In Poster Session 1

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Poster

## **A Robust Phased Elimination Algorithm for Corruption-Tolerant Gaussian Process Bandits**

Ilija Bogunovic · Zihan Li · Andreas Krause · Jonathan Scarlett

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #542

Poster

## **Global Convergence of Federated Learning for Mixed Regression**

Lili Su · Jiaming Xu · Pengkun Yang

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #642

Poster

## **Kernel similarity matching with Hebbian networks**

Kyle Luther · Sebastian Seung

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Poster

## **Improved techniques for deterministic $\ell_2$ robustness**

Sahil Singla · Soheil Feizi

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #640

Poster

## **Matryoshka Representation Learning**

Aditya Kusupati · Gantavya Bhatt · Aniket Rege · Matthew Wallingford · Aditya Sinha · Vivek Ramanujan ·

In Poster Session 1

William Howard-Snyder · Kaifeng Chen · Sham Kakade · Prateek Jain · Ali Farhadi

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Poster

## **Ask4Help: Learning to Leverage an Expert for Embodied Tasks**

Kunal Pratap Singh · Luca Weihs · Alvaro Herrasti · Jonghyun Choi · Aniruddha Kembhavi · Roozbeh Mottaghi

In Poster Session 1

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Poster

## **Wavelet Feature Maps Compression for Image-to-Image CNNs**

Shahaf E. Finder · Yair Zohav · Maor Ashkenazi · Eran Treister

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #637

Poster

## **Listen to Interpret: Post-hoc Interpretability for Audio Networks with NMF**

Jayneel Parekh · Sanjeel Parekh · Pavlo Mozharovskyi · Florence d'Alché-Buc · Gaël Richard

In Poster Session 1

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Poster

## **Learning Dense Object Descriptors from Multiple Views for Low-shot Category Generalization**

Stefan Stojanov · Anh Thai · Zixuan Huang · James Rehg

In Poster Session 1

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Poster

## **Semantic Diffusion Network for Semantic Segmentation**

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Poster

**Non-Linguistic Supervision for Contrastive Learning of Sentence Embeddings**

Yiren Jian · Chongyang Gao · Soroush Vosoughi

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #633

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**CUP: Critic-Guided Policy Reuse**

Jin Zhang · Siyuan Li · Chongjie Zhang

In Poster Session 1

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Poster

**Extreme Compression for Pre-trained Transformers Made Simple and Efficient**

Xiaoxia Wu · Zhewei Yao · Minjia Zhang · Conglong Li · Yuxiong He

In Poster Session 1

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #631

Poster

**ST-Adapter: Parameter-Efficient Image-to-Video Transfer Learning**

Junting Pan · Ziyi Lin · Xiatian Zhu · Jing Shao · Hongsheng Li

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #630

Poster

**Distilling Representations from GAN Generator via Squeeze and Span**

Yu Yang · Xiaotian Cheng · Chang Liu · Hakan Bilen · Xiangyang Ji

In Poster Session 1

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Poster

**SHINE: SubHypergraph Inductive Neural nEtwork**

Yuan Luo

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #628

Poster

**Q-ViT: Accurate and Fully Quantized Low-bit Vision Transformer**

Yanjing Li · Sheng Xu · Baochang Zhang · Xianbin Cao · Peng Gao · Guodong Guo

In Poster Session 1

[\[ Slides \]](#) [\[ Poster \]](#) [\[ OpenReview \]](#)

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Poster

**Museformer: Transformer with Fine- and Coarse-Grained Attention for Music Generation**

Bota Yu · Peiling Lu · Rui Wang · Wei Hu · Xu Tan · Wei Ye · Shikun Zhang · Tao Qin · Tie-Yan Liu

In Poster Session 1

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #626

Poster

**LasUIE: Unifying Information Extraction with Latent Adaptive Structure-aware Generative Language Model**

Hao Fei · Shengqiong Wu · Jingye Li · Bobo Li · Fei Li · Libo Qin · Meishan Zhang · Min Zhang · Tat-Seng Chua In Poster Session 1

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Poster

**LION: Latent Point Diffusion Models for 3D Shape Generation**

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Poster

### **Learning low-dimensional generalizable natural features from retina using a U-net**

Siwei Wang · Benjamin Hoshal · Elizabeth de Laittre · Thierry Mora · Michael Berry · Stephanie Palmer

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #623

Poster

### **Indicators of Attack Failure: Debugging and Improving Optimization of Adversarial Examples**

Maura Pintor · Luca Demetrio · Angelo Sotgiu · Ambra Demontis · Nicholas Carlini · Battista Biggio · Fabio Roli In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #622

Poster

### **The Pitfalls of Regularization in Off-Policy TD Learning**

Gaurav Manek · J. Zico Kolter

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #621

Poster

### **Fine-tuning Language Models over Slow Networks using Activation Quantization with Guarantees**

Jue WANG · Binhang Yuan · Luka Rimanic · Yongjun He · Tri Dao · Beidi Chen · Christopher Ré · Ce Zhang In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #620

Poster

### **Online Training Through Time for Spiking Neural Networks**

Mingqing Xiao · Qingyan Meng · Zongpeng Zhang · Di He · Zhouchen Lin

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #619

Poster

### **General Cutting Planes for Bound-Propagation-Based Neural Network Verification**

Huan Zhang · Shiqi Wang · Kaidi Xu · Linyi Li · Bo Li · Suman Jana · Cho-Jui Hsieh · J. Zico Kolter

In Poster Session 1

[  Slides ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #618

Poster

### **Universality of Group Convolutional Neural Networks Based on Ridgelet Analysis on Groups**

Sho Sonoda · Isao Ishikawa · Masahiro Ikeda

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #617

Poster

### **Single Loop Gaussian Homotopy Method for Non-convex Optimization**

Hidekori Iwakiri · Yuhang Wang · Shinji Ito · Akiko Takeda

In Poster Session 1

[  Slides ] [  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #616

Poster

### **Bring Your Own Algorithm for Optimal Differentially Private Stochastic Minimax Optimization**

Liang Zhang · Kiran Thekumparampil · Sewoong Oh · Niao He

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #615

Poster

## ***Multi-agent Performative Prediction with Greedy Deployment and Consensus Seeking Agents***

Qiang Li · Chung-Yiu Yau · Hoi-To Wai

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #614

Poster

## ***A Multilabel Classification Framework for Approximate Nearest Neighbor Search***

Ville Hyvönen · Elias Jääsaari · Teemu Roos

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #613

Poster

## ***Spectral Bias in Practice: The Role of Function Frequency in Generalization***

Sara Fridovich-Keil · Raphael Gontijo Lopes · Rebecca Roelofs

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #612

Poster

## ***Influencing Long-Term Behavior in Multiagent Reinforcement Learning***

Dong-Ki Kim · Matthew Riemer · Miao Liu · Jakob Foerster · Michael Everett · Chuangchuang Sun · Gerald Tesauro · Jonathan How

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #611

Poster

## ***Quality Not Quantity: On the Interaction between Dataset Design and Robustness of CLIP***

Thao Nguyen · Gabriel Ilharco · Mitchell Wortsman · Sewoong Oh · Ludwig Schmidt

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #610

Poster

## ***Giving Feedback on Interactive Student Programs with Meta-Exploration***

Evan Liu · Moritz Stephan · Allen Nie · Chris Piech · Emma Brunskill · Chelsea Finn

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #609

Poster

## ***Unsupervised Object Representation Learning using Translation and Rotation Group***

### ***Equivariant VAE***

Alireza Nasiri · Tristan Bepler

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #608

Poster

## ***Few-Shot Continual Active Learning by a Robot***

Ali Ayub · Carter Fendley

In Poster Session 1

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Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #607

Poster

## ***Data-Efficient Pipeline for Offline Reinforcement Learning with Limited Data***

Allen Nie · Yannis Flet-Berliac · Deon Jordan · William Steenbergen · Emma Brunskill

In Poster Session 1

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Poster

**VoiceBlock: Privacy through Real-Time Adversarial Attacks with Audio-to-Audio Models**

Patrick O'Reilly · Andreas Bugler · Keshav Bhandari · Max Morrison · Bryan Pardo

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #605

Poster

**Semi-Parametric Neural Image Synthesis**

Andreas Blattmann · Robin Rombach · Kaan Oktay · Jonas Müller · Björn Ommer

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #604

Poster

**On Analyzing Generative and Denoising Capabilities of Diffusion-based Deep Generative Models**

Kamil Deja · Anna Kuzina · Tomasz Trzcinski · Jakub Tomczak

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #603

Poster

**Toward Robust Spiking Neural Network Against Adversarial Perturbation**

LING LIANG · Kaidi Xu · Xing Hu · Lei Deng · Yuan Xie

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #602

Poster

**Debiased Causal Tree: Heterogeneous Treatment Effects Estimation with Unmeasured Confounding**

Caizhi Tang · Huiyuan Wang · Xinyu Li · Qing Cui · Ya-Lin Zhang · Feng Zhu · Longfei Li · Jun Zhou · Linbo Jiang In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #701

Poster

**On the Convergence of Stochastic Multi-Objective Gradient Manipulation and Beyond**

Shiji Zhou · Wenpeng Zhang · Jiyan Jiang · Wenliang Zhong · Jinjie GU · Wenwu Zhu

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #702

Poster

**Video-based Human-Object Interaction Detection from Tubelet Tokens**

Danyang Tu · Wei Sun · Xiongkuo Min · Guangtao Zhai · Wei Shen

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #703

Poster

**OTKGE: Multi-modal Knowledge Graph Embeddings via Optimal Transport**

Zongsheng Cao · Qianqian Xu · Zhiyong Yang · Yuan He · Xiaochun Cao · Qingming Huang

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #704

Poster

**Hierarchical Lattice Layer for Partially Monotone Neural Networks**

Hiroki Yanagisawa · Kohei Miyaguchi · Takayuki Katsuki

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #705

Poster

**On the symmetries of the synchronization problem in Cryo-EM: Multi-Frequency Vector Diffusion Maps on the Projective Plane**

Gabriele Cesa · Arash Behboodi · Taco Cohen · Max Welling

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #706

Poster

**What Makes a "Good" Data Augmentation in Knowledge Distillation - A Statistical Perspective**

Huan Wang · Suhas Lohit · Michael Jones · Yun Fu

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #707

Poster

**HorNet: Efficient High-Order Spatial Interactions with Recursive Gated Convolutions**

Yongming Rao · Wenliang Zhao · Yansong Tang · Jie Zhou · Ser Nam Lim · Jiwen Lu

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #708

Poster

**Adversarial Attack on Attackers: Post-Process to Mitigate Black-Box Score-Based Query Attacks**

Sizhe Chen · Zhehao Huang · Qinghua Tao · Yingwen Wu · Cihang Xie · Xiaolin Huang

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #709

Poster

**Revisiting Non-Parametric Matching Cost Volumes for Robust and Generalizable Stereo Matching**

Kelvin Cheng · Tianfu Wu · Zhebin Zhang · Hongyu Sun · Christopher Healey

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #710

Poster

**Learning Contrastive Embedding in Low-Dimensional Space**

Shuo Chen · Chen Gong · Jun Li · Jian Yang · Gang Niu · Masashi Sugiyama

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #711

Poster

**Few-Shot Fast-Adaptive Anomaly Detection**

Ze Wang · Yipin Zhou · Rui Wang · Tsung-Yu Lin · Ashish Shah · Ser Nam Lim

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #712

Poster

**Scalable Representation Learning in Linear Contextual Bandits with Constant Regret Guarantees**

Andrea Tirinzoni · Matteo Papini · Ahmed Touati · Alessandro Lazaric · Matteo Pirotta

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #713

Poster

**Exploration via Planning for Information about the Optimal Trajectory**

Viraj Mehta · Ian Char · Joseph Abbate · Rory Conlin · Mark Boyer · Stefano Ermon · Jeff Schneider · Willie Neiswanger

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #714

Poster

**Theoretical analysis of deep neural networks for temporally dependent observations**

Mingliang Ma · Abolfazl Safikhani

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #715

Poster

**Provably sample-efficient RL with side information about latent dynamics**

Yao Liu · Dipendra Misra · Miro Dudik · Robert Schapire

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #716

Poster

**In What Ways Are Deep Neural Networks Invariant and How Should We Measure This?**

Henry Kvinge · Tegan Emerson · Grayson Jorgenson · Scott Vasquez · Tim Doster · Jesse Lew

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #717

Poster

**Truncated proposals for scalable and hassle-free simulation-based inference**

Michael Deistler · Pedro Goncalves · Jakob H Macke

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #718

Poster

**Calibrated Data-Dependent Constraints with Exact Satisfaction Guarantees**

Songkai Xue · Yuekai Sun · Mikhail Yurochkin

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #719

Poster

**Policy Optimization with Linear Temporal Logic Constraints**

Cameron Voloshin · Hoang Le · Swarat Chaudhuri · Yisong Yue

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #720

Poster

**Fast Instrument Learning with Faster Rates**

Ziyu Wang · Yuhao Zhou · Jun Zhu

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #722

Poster

**Outlier-Robust Sparse Estimation via Non-Convex Optimization**

Yu Cheng · Ilias Diakonikolas · Rong Ge · Shivam Gupta · Daniel Kane · Mahdi Soltanolkotabi

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #723

Poster

**Gradient Methods Provably Converge to Non-Robust Networks**

Gal Vardi · Gilad Yehudai · Ohad Shamir

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #724

Poster

**Operator Splitting Value Iteration**

Amin Rakhsha · Andrew Wang · Mohammad Ghavamzadeh · Amir-massoud Farahmand

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #725

Poster

**Bayesian Optimistic Optimization: Optimistic Exploration for Model-based Reinforcement Learning**

Chenyang Wu · Tianci Li · Zongzhang Zhang · Yang Yu

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #726

Poster

### **Learning from Stochastically Revealed Preference**

John Birge · Xiaocheng Li · Chunlin Sun

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #727

Poster

### **Augmented RBMLE-UCB Approach for Adaptive Control of Linear Quadratic Systems**

Akshay Mete · Rahul Singh · P. R. Kumar

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #728

Poster

### **An $\alpha$ -No-Regret Algorithm For Graphical Bilinear Bandits**

Geovani Rizk · Igor Colin · Albert Thomas · Rida Laraki · Yann Chevaleyre

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #729

Poster

### **Outlier-Robust Sparse Mean Estimation for Heavy-Tailed Distributions**

Ilias Diakonikolas · Daniel Kane · Jasper Lee · Ankit Pensia

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #730

Poster

### **Distributed Inverse Constrained Reinforcement Learning for Multi-agent Systems**

Shicheng Liu · Minghui Zhu

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #731

Poster

### **Uplifting Bandits**

Yu-Guan Hsieh · Shiva Kasiviswanathan · Branislav Kveton

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #732

Poster

### **Poisson Flow Generative Models**

Yilun Xu · Ziming Liu · Max Tegmark · Tommi Jaakkola

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #734

Poster

### **Multi-agent Dynamic Algorithm Configuration**

Ke Xue · Jiacheng Xu · Lei Yuan · Miqing Li · Chao Qian · Zongzhang Zhang · Yang Yu

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #735

Poster

### **Muffliato: Peer-to-Peer Privacy Amplification for Decentralized Optimization and Averaging**

Edwige Cyffers · Mathieu Even · Aurélien Bellet · Laurent Massoulié

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #736

Poster

### **A Theory of PAC Learnability under Transformation Invariances**

Han Shao · Omar Montasser · Avrim Blum

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #737

Poster

**Sequence Model Imitation Learning with Unobserved Contexts**

Gokul Swamy · Sanjiban Choudhury · J. Bagnell · Steven Wu

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #738

Poster

**Lost in Latent Space: Examining failures of disentangled models at combinatorial generalisation**

Milton Montero · Jeffrey Bowers · Rui Ponte Costa · Casimir Ludwig · Gaurav Malhotra

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #739

Poster

**Biologically plausible solutions for spiking networks with efficient coding**

Veronika Koren · Stefano Panzeri

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #740

Poster

**Phase transitions in when feedback is useful**

Lokesh Boominathan · Xaq Pitkow

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #741

Poster

**Simple and Optimal Greedy Online Contention Resolution Schemes**

Vasilis Livanos

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #742

Poster

**Private Estimation with Public Data**

Alex Bie · Gautam Kamath · Vikrant Singhal

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #842

Poster

**Robustness to Label Noise Depends on the Shape of the Noise Distribution**

Diane Oyen · Michal Kucer · Nicolas Hengartner · Har Simrat Singh

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #841

Poster

**A general approximation lower bound in  $L^p$  norm, with applications to feed-forward neural networks**

El Mehdi Achour · Armand Foucault · Sébastien Gerchinovitz · François Malgouyres

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #840

Poster

**Minimax Optimal Algorithms for Fixed-Budget Best Arm Identification**

Junpei Komiyama · Taira Tsuchiya · Junya Honda

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #839

Poster

**Minimax Optimal Online Imitation Learning via Replay Estimation**

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #838

Poster

### **Approximate Euclidean lengths and distances beyond Johnson-Lindenstrauss**

Aleksandros Sobczyk · Mathieu Luisier

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #837

Poster

### **List-Decodable Sparse Mean Estimation**

Shiwei Zeng · Jie Shen

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #836

Poster

### **Finite-Time Last-Iterate Convergence for Learning in Multi-Player Games**

Yang Cai · Argyris Oikonomou · Weiqiang Zheng

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #835

Poster

### **SAGDA: Achieving $\mathcal{O}(\epsilon^{-2})$ Communication Complexity in Federated Min-Max Learning**

Haibo Yang · Zhuqing Liu · Xin Zhang · Jia Liu

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #834

Poster

### **Depth is More Powerful than Width with Prediction Concatenation in Deep Forest**

Shen-Huan Lyu · Yi-Xiao He · Zhi-Hua Zhou

In Poster Session 1

[  Slides ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #833

Poster

### **Neural Abstractions**

Alessandro Abate · Alec Edwards · Mirco Giacobbe

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #831

Poster

### **Random Rank: The One and Only Strategyproof and Proportionally Fair Randomized**

#### **Facility Location Mechanism**

Haris Aziz · Alexander Lam · Mashbat Suzuki · Toby Walsh

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #830

Poster

### **Smooth Fictitious Play in Stochastic Games with Perturbed Payoffs and Unknown Transitions**

Lucas Baudin · Rida Laraki

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #829

Poster

### **The Query Complexity of Cake Cutting**

Simina Branzei · Noam Nisan

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #828

Poster

## **Learning (Very) Simple Generative Models Is Hard**

Sitan Chen · Jerry Li · Yuanzhi Li

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #827

Poster

## **Cryptographic Hardness of Learning Halfspaces with Massart Noise**

Ilias Diakonikolas · Daniel Kane · Pasin Manurangsi · Lisheng Ren

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #826

Poster

## **Stochastic Second-Order Methods Improve Best-Known Sample Complexity of SGD for Gradient-Dominated Functions**

Saeed Mashta · Saber Salehkaleybar · Niao He · Negar Kiyavash · Patrick Thiran

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #825

Poster

## **Accelerated Primal-Dual Gradient Method for Smooth and Convex-Concave Saddle-Point Problems with Bilinear Coupling**

Dmitry Kovalev · Alexander Gasnikov · Peter Richtarik

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #824

Poster

## **Sample-Efficient Learning of Correlated Equilibria in Extensive-Form Games**

Ziang Song · Song Mei · Yu Bai

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #823

Poster

## **SAPD+: An Accelerated Stochastic Method for Nonconvex-Concave Minimax Problems**

Xuan Zhang · Necdet Serhat Aybat · Mert Gurbuzbalaban

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #822

Poster

## **On Optimal Learning Under Targeted Data Poisoning**

Steve Hanneke · Amin Karbasi · Mohammad Mahmoody · Idan Mehalel · Shay Moran

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #821

Poster

## **Taming Fat-Tailed (“Heavier-Tailed” with Potentially Infinite Variance) Noise in Federated Learning**

Haibo Yang · Peiwen Qiu · Jia Liu

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #820

Poster

## **Nearly Optimal Best-of-Both-Worlds Algorithms for Online Learning with Feedback Graphs**

Shinji Ito · Taira Tsuchiya · Junya Honda

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #819

Poster

## Better Best of Both Worlds Bounds for Bandits with Switching Costs

Idan Amir · Guy Azov · Tomer Koren · Roi Livni

In Poster Session 1

[ Slides ] [ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #818

Poster

## Coreset for Line-Sets Clustering

Sagi Lotan · Ernesto Evgeniy Sanches Shayda · Dan Feldman

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #817

Poster

## On the Efficient Implementation of High Accuracy Optimality of Profile Maximum Likelihood

Moses Charikar · Zhihao Jiang · Kirankumar Shiragur · Aaron Sidford

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #816

Poster

## Society of Agents: Regrets Bounds of Concurrent Thompson Sampling

Yan Chen · Perry Dong · Qinxun Bai · Maria Dimakopoulou · Wei Xu · Zhengyuan Zhou

In Poster Session 1

[ Slides ] [ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #815

Poster

## Improved Convergence Rate of Stochastic Gradient Langevin Dynamics with Variance Reduction and its Application to Optimization

Yuri Kinoshita · Taiji Suzuki

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #814

Poster

## Kernel Multimodal Continuous Attention

Alexander Moreno · Zhenke Wu · Supriya Nagesh · Walter Dempsey · James Rehg

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #813

Poster

## Empirical Gateaux Derivatives for Causal Inference

Michael Jordan · Yixin Wang · Angela Zhou

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #812

Poster

## Bayesian Persuasion for Algorithmic Recourse

Keegan Harris · Valerie Chen · Joon Kim · Ameet Talwalkar · Hoda Heidari · Steven Wu

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #811

Poster

## Hardness of Noise-Free Learning for Two-Hidden-Layer Neural Networks

Sitan Chen · Aravind Gollakota · Adam Klivans · Raghu Meka

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #810

Poster

## The Hessian Screening Rule

Johan Larsson · Jonas Wallin

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #809

Poster

## **Distributed Optimization for Overparameterized Problems: Achieving Optimal Dimension Independent Communication Complexity**

Bingqing Song · Ioannis Tsaknakis · Chung-Yiu Yau · Hoi-To Wai · Mingyi Hong

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #808

Poster

## **Will Bilevel Optimizers Benefit from Loops**

Kaiyi Ji · Mingrui Liu · Yingbin Liang · Lei Ying

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #807

Poster

## **Expected Improvement for Contextual Bandits**

Hung Tran-The · Sunil Gupta · Santu Rana · Tuan Truong · Long Tran-Thanh · Svetha Venkatesh

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #806

Poster

## **Fast Neural Kernel Embeddings for General Activations**

Insu Han · Amir Zandieh · Jaehoon Lee · Roman Novak · Lechao Xiao · Amin Karbasi

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #805

Poster

## **Maximum Common Subgraph Guided Graph Retrieval: Late and Early Interaction Networks**

Indradymuna Roy · Soumen Chakrabarti · Abir De

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #804

Poster

## **Hierarchical Agglomerative Graph Clustering in Poly-Logarithmic Depth**

Laxman Dhulipala · David Eisenstat · Jakub Lacki · Vahab Mirrokni · Jessica Shi

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #803

Poster

## **Understanding Deep Contrastive Learning via Coordinate-wise Optimization**

Yuandong Tian

In Poster Session 1

[ Slides ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #802

Poster

## **Deciding What to Model: Value-Equivalent Sampling for Reinforcement Learning**

Dilip Arumugam · Benjamin Van Roy

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #801

Poster

## **Sparse Hypergraph Community Detection Thresholds in Stochastic Block Model**

Erchuan Zhang · David Suter · Giang Truong · Syed Zulqarnain Gilani

In Poster Session 1

[ Slides ] [ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #800

Poster

## **Don't Pour Cereal into Coffee: Differentiable Temporal Logic for Temporal Action Segmentation**

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #900

Poster

### **Towards Versatile Embodied Navigation**

Hanqing Wang · Wei Liang · Luc V Gool · Wenguan Wang

In Poster Session 1

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #901

Poster

### **CASA: Category-agnostic Skeletal Animal Reconstruction**

Yuefan Wu · Zeyuan Chen · Shaowei Liu · Zhongzheng Ren · Shenlong Wang

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #902

Poster

### **Counterfactual Neural Temporal Point Process for Estimating Causal Influence of Misinformation on Social Media**

Yizhou Zhang · Defu Cao · Yan Liu

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #903

Poster

### **Outsourcing Training without Uploading Data via Efficient Collaborative Open-Source Sampling**

Junyuan Hong · Lingjuan Lyu · Jiayu Zhou · Michael Spranger

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #904

Poster

### **Brain Network Transformer**

Xuan Kan · Wei Dai · Hejie Cui · Zilong Zhang · Ying Guo · Carl Yang

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #905

Poster

### **Policy Optimization with Advantage Regularization for Long-Term Fairness in Decision Systems**

Eric Yu · Zhizhen Qin · Min Kyung Lee · Sicun Gao

In Poster Session 1

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #906

Poster

### **SizeShiftReg: a Regularization Method for Improving Size-Generalization in Graph Neural Networks**

Davide Buffelli · Pietro Lió · Fabio Vandin

In Poster Session 1

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #907

Poster

### **The Phenomenon of Policy Churn**

Tom Schaul · Andre Barreto · John Quan · Georg Ostrovski

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #908

Poster

### **Learning to Find Proofs and Theorems by Learning to Refine Search Strategies: The Case of Loop Invariant Synthesis**

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #909

Poster

**Censored Quantile Regression Neural Networks for Distribution-Free Survival Analysis**

Tim Pearce · Jong-Hyeon Jeong · yichen jia · Jun Zhu

In Poster Session 1

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #910

Poster

**Certifying Robust Graph Classification under Orthogonal Gromov-Wasserstein Threats**

Hongwei Jin · Zishun Yu · Xinhua Zhang

In Poster Session 1

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #911

Poster

**To update or not to update? Neurons at equilibrium in deep models**

Andrea Bragagnolo · Enzo Tartaglione · Marco Grangetto

In Poster Session 1

[\[ Poster \]](#) [\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #912

Poster

**Improving Intrinsic Exploration with Language Abstractions**

Jesse Mu · Victor Zhong · Roberta Raileanu · Minqi Jiang · Noah Goodman · Tim Rocktäschel · Edward Grefenstette

In Poster Session 1

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #913

Poster

**Masked Generative Adversarial Networks are Data-Efficient Generation Learners**

Jiaxing Huang · Kaiwen Cui · Dayan Guan · Aoran Xiao · Fangneng Zhan · Shijian Lu · Shengcai Liao · Eric Xing

In Poster Session 1

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #914

Poster

**Dance of SNN and ANN: Solving binding problem by combining spike timing and reconstructive attention**

Hao Zheng · Hui Lin · Rong Zhao · Luping Shi

In Poster Session 1

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #915

Poster

**Theseus: A Library for Differentiable Nonlinear Optimization**

Luis Pineda · Taosha Fan · Maurizio Monge · Shobha Venkataraman · Paloma Sodhi · Ricky T. Q. Chen · Joseph Ortiz · Daniel DeTone · Austin Wang · Stuart Anderson · Jing Dong · Brandon Amos · Mustafa Mukadam

In Poster Session 1

[\[ Slides \]](#) [\[ Poster \]](#) [\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #916

Poster

**Distributed Influence-Augmented Local Simulators for Parallel MARL in Large Networked Systems**

Miguel Suau de Castro · Jinke He · Mustafa Mert Çelikok · Matthijs Spaan · Frans Oliehoek

In Poster Session 1

[\[ OpenReview \]](#)

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #917

Poster

**Synthetic Model Combination: An Instance-wise Approach to Unsupervised Ensemble Learning**

Alex Chan · Mihaela van der Schaar

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #918

Poster

### **S4ND: Modeling Images and Videos as Multidimensional Signals with State Spaces**

Eric Nguyen · Karan Goel · Albert Gu · Gordon Downs · Preey Shah · Tri Dao · Stephen Baccus · Christopher Ré In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #919

Poster

### **Decoupling Features in Hierarchical Propagation for Video Object Segmentation**

Zongxin Yang · Yi Yang

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #920

Poster

### **Is Out-of-Distribution Detection Learnable?**

Zhen Fang · Yixuan Li · Jie Lu · Jiahua Dong · Bo Han · Feng Liu

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #921

Poster

### **QUARK: Controllable Text Generation with Reinforced Unlearning**

Ximing Lu · Sean Welleck · Jack Hessel · Liwei Jiang · Lianhui Qin · Peter West · Prithviraj Ammanabrolu · Yejin Choi

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #922

Poster

### **Dynamics of SGD with Stochastic Polyak Stepsizes: Truly Adaptive Variants and Convergence to Exact Solution**

Antonio Orvieto · Simon Lacoste-Julien · Nicolas Loizou

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #923

Poster

### **Homomorphic Matrix Completion**

Xiao-Yang Liu · Zechu Li · Xiaodong Wang

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #924

Poster

### **Practical Adversarial Attacks on Spatiotemporal Traffic Forecasting Models**

Fan LIU · Hao Liu · Wenzhao Jiang

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #925

Poster

### **Characterizing the Ventral Visual Stream with Response-Optimized Neural Encoding Models**

Meenakshi Khosla · Keith Jamison · Amy Kuceyeski · Mert Sabuncu

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #926

Poster

### **GET3D: A Generative Model of High Quality 3D Textured Shapes Learned from Images**

Jun Gao · Tianchang Shen · Zian Wang · Wenzheng Chen · Kangxue Yin · Daiqing Li · Or Litany · Zan Gojcic · Sanja Fidler

In Poster Session 1

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #927

Poster

## **What I Cannot Predict, I Do Not Understand: A Human-Centred Evaluation Framework for Explainability Methods**

Julien Colin · Thomas FEL · Remi Cadene · Thomas Serre

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #928

Poster

## **CLIPDraw: Exploring Text-to-Drawing Synthesis through Language-Image Encoders**

Kevin Frans · Lisa Soros · Olaf Witkowski

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #929

Poster

## **VisFIS: Visual Feature Importance Supervision with Right-for-the-Right-Reason**

### **Objectives**

Zhuofan Ying · Peter Hase · Mohit Bansal

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #930

Poster

## **Accelerated Training of Physics-Informed Neural Networks (PINNs) using Meshless**

### **Discretizations**

Ramansh Sharma · Varun Shankar

In Poster Session 1

[  Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #931

Poster

## **On the Importance of Gradient Norm in PAC-Bayesian Bounds**

Itai Gat · Yossi Adi · Alex Schwing · Tamir Hazan

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #932

Poster

## **Temporally Disentangled Representation Learning**

Weiran Yao · Guangyi Chen · Kun Zhang

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #933

Poster

## **Natural gradient enables fast sampling in spiking neural networks**

Paul Masset · Jacob Zavatone-Veth · J. Patrick Connor · Venkatesh Murthy · Cengiz Pehlevan

In Poster Session 1

[  Slides ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #934

Poster

## **Triangulation candidates for Bayesian optimization**

Robert Gramacy · Annie Sauer · Nathan Wycoff

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #935

Poster

## **Near-Isometric Properties of Kronecker-Structured Random Tensor Embeddings**

Qijia Jiang

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #936

Poster

## **A permutation-free kernel two-sample test**

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #937

Poster

**Learning with little mixing**

Ingvar Ziemann · Stephen Tu

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #938

Poster

**Collaborative Linear Bandits with Adversarial Agents: Near-Optimal Regret Bounds**

Aritra Mitra · Arman Adibi · George J. Pappas · Hamed Hassani

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #939

Poster

**Communication Efficient Federated Learning for Generalized Linear Bandits**

Chuanhao Li · Hongning Wang

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #940

Poster

**On Scrambling Phenomena for Randomly Initialized Recurrent Networks**

Vaggos Chatziafratis · Ioannis Panageas · Clayton Sanford · Stelios Stavroulakis

In Poster Session 1

[ [Slides](#) ] [ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #941

Poster

**Exponentially Improving the Complexity of Simulating the Weisfeiler-Lehman Test with Graph Neural Networks**

Anders Aamand · Justin Chen · Piotr Indyk · Shyam Narayanan · Ronitt Rubinfeld · Nicholas Schiefer · Sandeep Silwal · Tal Wagner

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #942

Poster

**Last-Iterate Convergence of Optimistic Gradient Method for Monotone Variational Inequalities**

Eduard Gorbunov · Adrien Taylor · Gauthier Gidel

In Poster Session 1

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1042

Poster

**3DB: A Framework for Debugging Computer Vision Models**

Guillaume Leclerc · Hadi Salman · Andrew Ilyas · Sai Venkrala · Logan Engstrom · Vibhav Vineet · Kai Xiao · Pengchuan Zhang · Shibani Santurkar · Greg Yang · Ashish Kapoor · Aleksander Madry

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1041

Poster

**Unifying and Boosting Gradient-Based Training-Free Neural Architecture Search**

YAO SHU · Zhongxiang Dai · Zhaoxuan Wu · Bryan Kian Hsiang Low

In Poster Session 1

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1040

Poster

**Measuring Data Reconstruction Defenses in Collaborative Inference Systems**

Mengda Yang · Ziang Li · Juan Wang · Hongxin Hu · Ao Ren · Xiaoyang Xu · Wenzhe Yi

In Poster Session 1

[ [OpenReview](#) ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1039

Poster

## **Function Classes for Identifiable Nonlinear Independent Component Analysis**

Simon Buchholz · Michel Besserve · Bernhard Schölkopf

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1038

Poster

## **Towards Disentangling Information Paths with Coded ResNeXt**

Apostolos Avranas · Marios Kountouris

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1037

Poster

## **Why do We Need Large Batchsizes in Contrastive Learning? A Gradient-Bias Perspective**

Changyou Chen · Jianyi Zhang · Yi Xu · Liqun Chen · Jiali Duan · Yiran Chen · Son Tran · Belinda Zeng · Trishul Chilimbi

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1036

Poster

## **On Robust Multiclass Learnability**

Jingyuan Xu · Weiwei Liu

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1035

Poster

## **Generalised Mutual Information for Discriminative Clustering**

Louis Ohl · Pierre-Alexandre Mattei · Charles Bouveyron · Warith HARCHAOUI · Mickaël Leclercq · Arnaud Droit · Frederic Precioso

In Poster Session 1

[ Poster ] [  OpenReview ] [  Topia ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1034

Poster

## **A Theoretical Understanding of Gradient Bias in Meta-Reinforcement Learning**

Bo Liu · Xidong Feng · Jie Ren · Luo Mai · Rui Zhu · Haifeng Zhang · Jun Wang · Yaodong Yang

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1033

Poster

## **Anytime-Valid Inference For Multinomial Count Data**

Michael Lindon · Alan Malek

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1031

Poster

## **OpenOOD: Benchmarking Generalized Out-of-Distribution Detection**

Jingkang Yang · Pengyun Wang · Dejian Zou · Zitang Zhou · Kunyuan Ding · WENXUAN PENG · Haoqi Wang · Guangyao Chen · Bo Li · Yiyou Sun · Xuefeng Du · Kaiyang Zhou · Wayne Zhang · Dan Hendrycks · Yixuan Li · Ziwei Liu

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1030

Poster

## **FinRL-Meta: Market Environments and Benchmarks for Data-Driven Financial Reinforcement Learning**

Xiao-Yang Liu · Ziyi Xia · Jingyang Rui · Jiechao Gao · Hongyang Yang · Ming Zhu · Christina Wang · Zhaoran Wang · Jian Guo

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1029

Poster

## NAS-Bench-360: Benchmarking Neural Architecture Search on Diverse Tasks

Renbo Tu · Nicholas Roberts · Misha Khodak · Junhong Shen · Frederic Sala · Ameet Talwalkar

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1028

Poster

## ETAB: A Benchmark Suite for Visual Representation Learning in Echocardiography

Ahmed M. Alaa · Anthony Philippakis · David Sontag

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1027

Poster

## Turning the Tables: Biased, Imbalanced, Dynamic Tabular Datasets for ML Evaluation

Sérgio Jesus · José Pombal · Duarte Alves · André Cruz · Pedro Saleiro · Rita Ribeiro · João Gama · Pedro Bizarro

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1026

Poster

## How Well Do Unsupervised Learning Algorithms Model Human Real-time and Life-long Learning?

Chengxu Zhuang · Ziyu Xiang · Yoon Bai · Xiaoxuan Jia · Nicholas Turk-Browne · Kenneth Norman · James J DiCarlo · Dan Yamins

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1025

Poster

## ActionNet: A Multimodal Dataset for Human Activities Using Wearable Sensors in a Kitchen Environment

Joseph DelPreto · Chao Liu · Yiyue Luo · Michael Foshey · Yunzhu Li · Antonio Torralba · Wojciech Matusik · Daniela Rus

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1024

Poster

## Breaking Bad: A Dataset for Geometric Fracture and Reassembly

Silvia Sellán · Yun-Chun Chen · Ziyi Wu · Animesh Garg · Alec Jacobson

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1023

Poster

## FlyView: a bio-inspired optical flow truth dataset for visual navigation using panoramic stereo vision

Alix Leroy · Graham Taylor

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1022

Poster

## Chartalist: Labeled Graph Datasets for UTXO and Account-based Blockchains

Kiarash Shamsi · Friedhelm Victor · Murat Kantarciooglu · Yulia Gel · Cuneyt G Akcora

In Poster Session 1

[ Slides ] [ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1021

Poster

## SMPL: Simulated Industrial Manufacturing and Process Control Learning Environments

Mohan Zhang · Xiaozhou Wang · Benjamin Decardi-Nelson · Bo Song · An Zhang · Jinfeng Liu · Sile Tao · Jiayi Cheng · Xiaohong Liu · Dengdeng Yu · Matthew Poon · Animesh Garg

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1020

Poster

## **WinoGAViL: Gamified Association Benchmark to Challenge Vision-and-Language Models**

Yonatan Bitton · Nitzan Bitton Guetta · Ron Yosef · Yuval Elovici · Mohit Bansal · Gabriel Stanovsky · Roy Schwartz

In Poster Session 1

[ Slides ] [ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1019

Poster

## **MTNeuro: A Benchmark for Evaluating Representations of Brain Structure Across Multiple Levels of Abstraction**

Jorge Quesada · Lakshmi Sathidevi · Ran Liu · Nauman Ahad · Joy Jackson · Mehdi Azabou · Jingyun Xiao · Christopher Liding · Matthew Jin · Carolina Urzay · William Gray-Roncal · Erik Johnson · Eva Dyer

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1018

Poster

## **xView3-SAR: Detecting Dark Fishing Activity Using Synthetic Aperture Radar Imagery**

Fernando Paolo · Tsu-ting Tim Lin · Ritwik Gupta · Bryce Goodman · Nirav Patel · Daniel Kuster · David Kroodsma · Jared Dunnmon

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1017

Poster

## **CEDe: A collection of expert-curated datasets with atom-level entity annotations for Optical Chemical Structure Recognition**

Rodrigo Hormazabal · Changyoung Park · Soonyoung Lee · Sehui Han · Yeonsik Jo · Jaewan Lee · Ahra Jo · Seung Hwan Kim · Jaegul Choo · Moontae Lee · Honglak Lee

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1016

Poster

## **FETA: Towards Specializing Foundational Models for Expert Task Applications**

Amit Alfassy · Assaf Arbelle · Oshri Halimi · Sivan Harary · Roei Herzig · Eli Schwartz · Rameswar Panda · Michele Dolfi · Christoph Auer · Peter Staar · Kate Saenko · Rogerio Feris · Leonid Karlinsky

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1015

Poster

## **CAESAR: An Embodied Simulator for Generating Multimodal Referring Expression Datasets**

Md Mofijul Islam · Reza Mirzaiee · Alexi Gladstone · Haley Green · Tariq Iqbal

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1014

Poster

## **Evaluating Out-of-Distribution Performance on Document Image Classifiers**

Stefan Larson · Yi Yang Gordon Lim · Yutong Ai · David Kuang · Kevin Leach

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1013

Poster

## **Learning Long-Term Crop Management Strategies with CyclesGym**

Matteo Turchetta · Luca Corinzia · Scott Sussex · Amanda Burton · Juan Herrera · Ioannis Athanasiadis · Joachim M Buhmann · Andreas Krause

In Poster Session 1

[ Poster ] [  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1012

Poster

## **pFL-Bench: A Comprehensive Benchmark for Personalized Federated Learning**

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1011

Poster

### ***Myriad: a real-world testbed to bridge trajectory optimization and deep learning***

Nikolaus Howe · Simon Dufort-Labbé · Nitarshan Rajkumar · Pierre-Luc Bacon

In Poster Session 1

[  OpenReview ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1009

Poster

### ***Deep Limits and a Cut-Off Phenomenon for Neural Networks***

Benny Avelin · Anders Karlsson

In Poster Session 1

[  Poster ]

[  Paper PDF ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1008

Poster

### ***Non-asymptotic and Accurate Learning of Nonlinear Dynamical Systems***

Yahya Sattar · Samet Oymak

In Poster Session 1

[  Slides ]

[  Paper PDF ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1007

Poster

### ***Robust and scalable manifold learning via landmark diffusion for long-term medical signal processing***

Chao Shen · Yu-Ting Lin · Hau-Tieng Wu

In Poster Session 1

[  Poster ]

[  Paper PDF ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1006

Poster

### ***The Importance of Being Correlated: Implications of Dependence in Joint Spectral Inference across Multiple Networks***

Konstantinos Pantazis · Avanti Athreya · Jesus Arroyo · William N Frost · Evan S Hill · Vince Lyzinski

In Poster Session 1

[  Paper PDF ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1005

Poster

### ***Foolish Crowds Support Benign Overfitting***

Niladri S. Chatterji · Philip Long

In Poster Session 1

[  Paper PDF ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1004

Poster

### ***[Re] Exacerbating Algorithmic Bias through Fairness Attacks***

Angelos Nalmpantis · Apostolos Panagiotopoulos · John Gkountouras · Konstantinos Papakostas

In Poster Session 1

[  Slides ] [  Poster ]

[  Paper PDF ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1003

Poster

### ***[Re] Replication Study of "Fairness and Bias in Online Selection"***

Diego van der Mast · Soufiane Ben Haddou · Jacky Chu · Jaap Stefels

In Poster Session 1

[  Poster ]

[  Paper PDF ]

Tue Nov 29 09:30 AM -- 11:00 AM (PST) @ Hall J #1002

Poster

## [Re] Reproduction Study of Variational Fair Clustering

Floor Eijkjelboom · Mark Fokkema · Anna Lau · Luuk Verheijen

In Poster Session 1

[ Poster ]

[ Paper PDF ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1001

Poster

## A Nonconvex Framework for Structured Dynamic Covariance Recovery

Katherine Tsai · Mladen Kolar · Sanmi Koyejo

In Poster Session 2

[ Paper PDF ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #101

Poster

## TCT: Convexifying Federated Learning using Bootstrapped Neural Tangent Kernels

Yaodong Yu · Alexander Wei · Sai Praneeth Karimireddy · Yi Ma · Michael Jordan

In Poster Session 2

[ Poster ]

[ OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #103

Poster

## On Feature Learning in the Presence of Spurious Correlations

Pavel Izmailov · Polina Kirichenko · Nate Gruver · Andrew Wilson

In Poster Session 2

[ OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #105

Poster

## Spatial Mixture-of-Experts

Nikoli Dryden · Torsten Hoeffler

In Poster Session 2

[ OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #107

Poster

## Exploring Length Generalization in Large Language Models

Cem Anil · Yuhuai Wu · Anders Andreassen · Aitor Lewkowycz · Vedant Misra · Vinay Ramasesh · Ambrose Slone · Guy Gur-Ari · Ethan Dyer · Behnam Neyshabur

In Poster Session 2

[ OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #108

Poster

## Neural Topological Ordering for Computation Graphs

Mukul Gagrani · Corrado Rainone · Yang Yang · Harris Teague · Wonseok Jeon · Roberto Bondesan · Herke van Hoof · Christopher Lott · Weiliang Zeng · Piero Zappi

In Poster Session 2

[ OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #109

Poster

## Unsupervised Multi-View Object Segmentation Using Radiance Field Propagation

Xinhang Liu · Jiaben Chen · Huai Yu · Yu-Wing Tai · Chi-Keung Tang

In Poster Session 2

[ OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #110

Poster

## Offline Multi-Agent Reinforcement Learning with Knowledge Distillation

Wei-Cheng Tseng · Tsun-Hsuan Johnson Wang · Yen-Chen Lin · Phillip Isola

In Poster Session 2

[ OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #111

Poster

## Enhanced Meta Reinforcement Learning via Demonstrations in Sparse Reward Environments

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #112

Poster

### **Maximum Class Separation as Inductive Bias in One Matrix**

Tejaswi Kasarla · Gertjan Burghouts · Max van Spengler · Elise van der Pol · Rita Cucchiara · Pascal Mettes

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #113

Poster

### **Training Uncertainty-Aware Classifiers with Conformalized Deep Learning**

Bat-Sheva Einbinder · Yaniv Romano · Matteo Sesia · Yanfei Zhou

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #114

Poster

### **Efficiently Factorizing Boolean Matrices using Proximal Gradient Descent**

Sebastian Dalleiger · Jilles Vreeken

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #115

Poster

### **FlowHMM: Flow-based continuous hidden Markov models**

Pawel Lorek · Rafal Nowak · Tomasz Trzcinski · Maciej Zieba

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #116

Poster

### **Merging Models with Fisher-Weighted Averaging**

Michael S Matena · Colin Raffel

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #117

Poster

### **Holomorphic Equilibrium Propagation Computes Exact Gradients Through Finite Size Oscillations**

Axel Laborieux · Friedemann Zenke

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #118

Poster

### **Neural Payoff Machines: Predicting Fair and Stable Payoff Allocations Among Team Members**

Daphne Cornelisse · Thomas Rood · Yoram Bachrach · Mateusz Malinowski · Tal Kachman

In Poster Session 2

[  Slides ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #119

Poster

### **Additive MIL: Intrinsically Interpretable Multiple Instance Learning for Pathology**

Syed Ashar Javed · Dinkar Juyal · Harshith Padigela · Amaro Taylor-Weiner · Limin Yu · Aaditya Prakash

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #120

Poster

### **Making Look-Ahead Active Learning Strategies Feasible with Neural Tangent Kernels**

Mohamad Amin Mohamadi · Wonho Bae · Danica J. Sutherland

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #121

Poster

## **Signal Propagation in Transformers: Theoretical Perspectives and the Role of Rank Collapse**

Sotiris Anagnostidis · Luca Biggio · Lorenzo Noci · Antonio Orvieto · Sidak Pal Singh · Aurelien Lucchi

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #122

Poster

## **Ordered Subgraph Aggregation Networks**

Chendi Qian · Gaurav Rattan · Floris Geerts · Mathias Niepert · Christopher Morris

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #123

Poster

## **Infinite Recommendation Networks: A Data-Centric Approach**

Noveen Sachdeva · Mehak Dhaliwal · Carole-Jean Wu · Julian McAuley

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #124

Poster

## **Diversity vs. Recognizability: Human-like generalization in one-shot generative models**

Victor Boutin · Lakshya Singhal · Xavier Thomas · Thomas Serre

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #125

Poster

## **Geo-SIC: Learning Deformable Geometric Shapes in Deep Image Classifiers**

Jian Wang · MiaoMiao Zhang

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #126

Poster

## **Improving Transformer with an Admixture of Attention Heads**

Tan Nguyen · Tam Nguyen · Hai Do · Khai Nguyen · Vishwanath Saragadam · Minh Pham · Khuong Duy Nguyen In Poster Session 2  
· Nhat Ho · Stanley Osher

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #127

Poster

## **Preservation of the Global Knowledge by Not-True Distillation in Federated Learning**

Gihun Lee · Minchan Jeong · Yongjin Shin · Sangmin Bae · Se-Young Yun

In Poster Session 2

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## **Information-Theoretic GAN Compression with Variational Energy-based Model**

Minsoo Kang · Hyewon Yoo · Eunhee Kang · Sehwan Ki · Hyong Euk Lee · Bohyung Han

In Poster Session 2

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## **VRL3: A Data-Driven Framework for Visual Deep Reinforcement Learning**

Che Wang · Xufang Luo · Keith Ross · Dongsheng Li

In Poster Session 2

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## **CLEAR: Generative Counterfactual Explanations on Graphs**

Jing Ma · Ruocheng Guo · Saumitra Mishra · Aidong Zhang · Jundong Li

In Poster Session 2

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## ***Out-of-Distribution Detection with An Adaptive Likelihood Ratio on Informative Hierarchical VAE***

Yewen Li · Chaojie Wang · Xiaobo Xia · Tongliang Liu · xin miao · Bo An

In Poster Session 2

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## ***Adversarial Style Augmentation for Domain Generalized Urban-Scene Segmentation***

Zhun Zhong · Yuyang Zhao · Gim Hee Lee · Nicu Sebe

In Poster Session 2

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Poster

## ***A Coupled Design of Exploiting Record Similarity for Practical Vertical Federated Learning***

Zhaomin Wu · Qinbin Li · Bingsheng He

In Poster Session 2

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## ***ClimbQ: Class Imbalanced Quantization Enabling Robustness on Efficient Inferences***

Ting-An Chen · Ming-syan Chen

In Poster Session 2

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Poster

## ***Public Wisdom Matters! Discourse-Aware Hyperbolic Fourier Co-Attention for Social Text Classification***

Karish Grover · S M Phaneendra Angara · Md Shad Akhtar · Tanmoy Chakraborty

In Poster Session 2

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## ***SIREN: Shaping Representations for Detecting Out-of-Distribution Objects***

Xuefeng Du · Gabriel Gozum · Yifei Ming · Yixuan Li

In Poster Session 2

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## ***Efficient and Effective Multi-task Grouping via Meta Learning on Task Combinations***

Xiaozhuang Song · Shun Zheng · Wei Cao · James Yu · Jiang Bian

In Poster Session 2

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## ***DENSE: Data-Free One-Shot Federated Learning***

Jie Zhang · Chen Chen · Bo Li · Lingjuan Lyu · Shuang Wu · Shouhong Ding · Chunhua Shen · Chao Wu

In Poster Session 2

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## ***SparCL: Sparse Continual Learning on the Edge***

Zifeng Wang · Zheng Zhan · Yifan Gong · Geng Yuan · Wei Niu · Tong Jian · Bin Ren · Stratis Ioannidis · Yanzhi Wang · Jennifer Dy

In Poster Session 2

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## **Old can be Gold: Better Gradient Flow can Make Vanilla-GCNs Great Again**

AJAY JAISWAL · Peihao Wang · Tianlong Chen · Justin Rousseau · Ying Ding · Zhangyang Wang

In Poster Session 2

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## **Multi-modal Grouping Network for Weakly-Supervised Audio-Visual Video Parsing**

Shentong Mo · Yapeng Tian

In Poster Session 2

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## **Searching for Better Spatio-temporal Alignment in Few-Shot Action Recognition**

Yichao Cao · Xiu Su · Qingfei Tang · Shan You · Xiaobo Lu · Chang Xu

In Poster Session 2

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## **Learning Generalizable Part-based Feature Representation for 3D Point Clouds**

Xin Wei · Xiang Gu · Jian Sun

In Poster Session 2

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## **Coordinates Are NOT Lonely - Codebook Prior Helps Implicit Neural 3D representations**

Fukun Yin · Wen Liu · Zilong Huang · Pei Cheng · Tao Chen · Gang Yu

In Poster Session 2

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## **Set-based Meta-Interpolation for Few-Task Meta-Learning**

Seanie Lee · Bruno Andreis · Kenji Kawaguchi · Juho Lee · Sung Ju Hwang

In Poster Session 2

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## **Zero-Shot Video Question Answering via Frozen Bidirectional Language Models**

Antoine Yang · Antoine Miech · Josef Sivic · Ivan Laptev · Cordelia Schmid

In Poster Session 2

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## **Masked Autoencoders As Spatiotemporal Learners**

Christoph Feichtenhofer · Haoqi Fan · Yanghao Li · Kaiming He

In Poster Session 2

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## **Uncovering the Structural Fairness in Graph Contrastive Learning**

Ruijia Wang · Xiao Wang · Chuan Shi · Le Song

In Poster Session 2

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## **AutoMS: Automatic Model Selection for Novelty Detection with Error Rate Control**

Yifan Zhang · Haiyan Jiang · Haojie Ren · Changliang Zou · Dejing Dou

In Poster Session 2

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## **Learning Best Combination for Efficient N:M Sparsity**

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Poster

**C-Mixup: Improving Generalization in Regression**

Huaxiu Yao · Yiping Wang · Linjun Zhang · James Zou · Chelsea Finn

In Poster Session 2

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**GAPX: Generalized Autoregressive Paraphrase-Identification X**

Yifei Zhou · Renyu Li · Hayden Housen · Ser Nam Lim

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Poster

**Exploring the Limits of Domain-Adaptive Training for Detoxifying Large-Scale Language Models**

Boxin Wang · Wei Ping · Chaowei Xiao · Peng Xu · Mostofa Patwary · Mohammad Shoeybi · Bo Li · Anima Anandkumar · Bryan Catanzaro

In Poster Session 2

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**GAMA: Generative Adversarial Multi-Object Scene Attacks**

Abhishek Aich · Calvin-Khang Ta · Akash Gupta · Chengyu Song · Srikanth Krishnamurthy · Salman Asif · Amit Roy-Chowdhury

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**Composite Feature Selection Using Deep Ensembles**

Fergus Imrie · Alexander Norcliffe · Pietro Lió · Mihaela van der Schaar

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**Contrastive and Non-Contrastive Self-Supervised Learning Recover Global and Local Spectral Embedding Methods**

Randall Balestrieri · Yann LeCun

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Poster

**Discovered Policy Optimisation**

Chris Lu · Jakub Kuba · Alistair Letcher · Luke Metz · Christian Schroeder de Witt · Jakob Foerster

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**Learning Structure from the Ground up---Hierarchical Representation Learning by Chunking**

Shuchen Wu · Noemi Elteto · Ishita Dasgupta · Eric Schulz

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Poster

**Amortized Inference for Heterogeneous Reconstruction in Cryo-EM**

Axel Levy · Gordon Wetzstein · Julien N.P Martel · Frederic Poitevin · Ellen Zhong

In Poster Session 2

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### **Neural Approximation of Graph Topological Features**

Zuoyu Yan · Tengfei Ma · Liangcai Gao · Zhi Tang · Yusu Wang · Chao Chen

In Poster Session 2

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Poster

### **Towards Out-of-Distribution Sequential Event Prediction: A Causal Treatment**

Chenxiao Yang · Qitian Wu · Qingsong Wen · Zhiqiang Zhou · Liang Sun · Junchi Yan

In Poster Session 2

[  OpenReview ]

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### **Improving Variational Autoencoders with Density Gap-based Regularization**

Jianfei Zhang · Jun Bai · Chenghua Lin · Yanmeng Wang · Wenge Rong

In Poster Session 2

[  OpenReview ]

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Poster

### **End-to-end Stochastic Optimization with Energy-based Model**

Lingkai Kong · Jiaming Cui · Yuchen Zhuang · Rui Feng · B. Aditya Prakash · Chao Zhang

In Poster Session 2

[  OpenReview ]

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### **Physics-Embedded Neural Networks: Graph Neural PDE Solvers with Mixed Boundary Conditions**

Masanobu Horie · NAOTO MITSUME

In Poster Session 2

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### **Advancing Model Pruning via Bi-level Optimization**

Yihua Zhang · Yuguang Yao · Parikshit Ram · Pu Zhao · Tianlong Chen · Mingyi Hong · Yanzhi Wang · Sijia Liu In Poster Session 2

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### **Earthformer: Exploring Space-Time Transformers for Earth System Forecasting**

Zhihan Gao · Xingjian Shi · Hao Wang · Yi Zhu · Yuyang (Bernie) Wang · Mu Li · Dit-Yan Yeung

In Poster Session 2

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### **Is Integer Arithmetic Enough for Deep Learning Training?**

Alireza Ghaffari · Marzieh S. Tahaei · Mohammadreza Tayaranian · Masoud Asgharian · Vahid Partovi Nia

In Poster Session 2

[ Poster ] [  OpenReview ]

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### **Dense Interspecies Face Embedding**

Sejong Yang · Subin Jeon · Seonghyeon Nam · Seon Joo Kim

In Poster Session 2

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### **Learning State-Aware Visual Representations from Audible Interactions**

Himangi Mittal · Pedro Morgado · Unnat Jain · Abhinav Gupta

In Poster Session 2

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Poster

**VITA: Video Instance Segmentation via Object Token Association**

Miran Heo · Sukjun Hwang · Seoung Wug Oh · Joon-Young Lee · Seon Joo Kim

In Poster Session 2

[ Poster ] [ ⚡ OpenReview ]

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**Graph Convolution Network based Recommender Systems: Learning Guarantee and Item Mixture Powered Strategy**

Leyan Deng · Defu Lian · Chenwang Wu · Enhong Chen

In Poster Session 2

[ Poster ] [ ⚡ OpenReview ]

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**Pyramid Attention For Source Code Summarization**

Lei Chai · Ming Li

In Poster Session 2

[ Poster ] [ ⚡ OpenReview ]

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**An Empirical Study on Disentanglement of Negative-free Contrastive Learning**

Jinkun Cao · Ruiqian Nai · Qing Yang · Jialei Huang · Yang Gao

In Poster Session 2

[ ⚡ OpenReview ]

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Poster

**Cache-Augmented Inbatch Importance Resampling for Training Recommender Retriever**

Jin Chen · Defu Lian · Yucheng Li · Baoyun Wang · Kai Zheng · Enhong Chen

In Poster Session 2

[ ⚡ OpenReview ]

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**Draft-and-Revise: Effective Image Generation with Contextual RQ-Transformer**

Doyup Lee · Chiheon Kim · Saehoon Kim · Minsu Cho · WOOK SHIN HAN

In Poster Session 2

[ ⚡ OpenReview ]

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**Get More at Once: Alternating Sparse Training with Gradient Correction**

Li Yang · Jian Meng · Jae-sun Seo · Deliang Fan

In Poster Session 2

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**Uncertainty Estimation for Multi-view Data: The Power of Seeing the Whole Picture**

Myong Chol Jung · He Zhao · Joanna Dipnall · Belinda Gabbe · Lan Du

In Poster Session 2

[ Poster ] [ ⚡ OpenReview ]

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**Synergy-of-Experts: Collaborate to Improve Adversarial Robustness**

Sen Cui · Jingfeng ZHANG · Jian Liang · Bo Han · Masashi Sugiyama · Changshui Zhang

In Poster Session 2

[ ⚡ OpenReview ]

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**Accelerating Certified Robustness Training via Knowledge Transfer**

Pratik Vaishnavi · Kevin Eykholt · Amir Rahmati

In Poster Session 2

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## ***Self-Supervised Contrastive Pre-Training For Time Series via Time-Frequency Consistency***

Xiang Zhang · Ziyuan Zhao · Theodoros Tsilgkardis · Marinka Zitnik

In Poster Session 2

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## ***Self-supervised Amodal Video Object Segmentation***

Jian Yao · Yuxin Hong · Chiyu Wang · Tianjun Xiao · Tong He · Francesco Locatello · David P Wipf · Yanwei Fu · In Poster Session 2  
Zheng Zhang

[  OpenReview ]

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## ***Rethinking Image Restoration for Object Detection***

Shangquan Sun · Wenqi Ren · Tao Wang · Xiaochun Cao

In Poster Session 2

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## ***Unsupervised Learning of Shape Programs with Repeatable Implicit Parts***

Boyang Deng · Sumith Kulal · Zhengyang Dong · Congyue Deng · Yonglong Tian · Jiajun Wu

In Poster Session 2

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## ***ELASTIC: Numerical Reasoning with Adaptive Symbolic Compiler***

Jiaxin Zhang · Yashar Moshfeghi

In Poster Session 2

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## ***Learning dynamics of deep linear networks with multiple pathways***

Jianghong Shi · Eric Shea-Brown · Michael Buice

In Poster Session 2

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## ***FP8 Quantization: The Power of the Exponent***

Andrey Kuzmin · Mart van Baalen · Yuwei Ren · Markus Nagel · Jorn Peters · Tijmen Blankevoort

In Poster Session 2

[  OpenReview ]

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## ***Pushing the limits of fairness impossibility: Who's the fairest of them all?***

Brian Hsu · Rahul Mazumder · Preetam Nandy · Kinjal Basu

In Poster Session 2

[  Poster ] [  OpenReview ]

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Poster

## ***Learning Dynamical Systems via Koopman Operator Regression in Reproducing Kernel Hilbert Spaces***

Vladimir Kostic · Pietro Novelli · Andreas Maurer · Carlo Ciliberto · Lorenzo Rosasco · Massimiliano Pontil

In Poster Session 2

[  OpenReview ]

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Poster

## Pseudo-Riemannian Graph Convolutional Networks

Bo Xiong · Shichao Zhu · Nico Potyka · Shirui Pan · Chuan Zhou · Steffen Staab

In Poster Session 2

[  OpenReview ]

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## PAC-Bayes Compression Bounds So Tight That They Can Explain Generalization

Sanae Lotfi · Marc Finzi · Sanyam Kapoor · Andres Potapczynski · Micah Goldblum · Andrew Wilson

In Poster Session 2

[  OpenReview ]

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## Learning Mixed Multinomial Logits with Provable Guarantees

Yiqun Hu · David Simchi-Levi · Zhenzhen Yan

In Poster Session 2

[  OpenReview ]

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## Truly Deterministic Policy Optimization

Ehsan Saleh · Saba Ghaffari · Tim Bretl · Matthew West

In Poster Session 2

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## A Consistent and Differentiable $L_p$ Canonical Calibration Error Estimator

Teodora Popordanoska · Raphael Sayer · Matthew Blaschko

In Poster Session 2

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## Frank-Wolfe-based Algorithms for Approximating Tyler's M-estimator

Lior Danon · Dan Garber

In Poster Session 2

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## Reinforcement Learning with Logarithmic Regret and Policy Switches

Grigoris Velekas · Zhuoran Yang · Amin Karbasi

In Poster Session 2

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## Finite Sample Analysis Of Dynamic Regression Parameter Learning

Mark Kozdoba · Edward Moroshko · Shie Mannor · Yacov Crammer

In Poster Session 2

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## Evaluating Robustness to Dataset Shift via Parametric Robustness Sets

Nikolaj Thams · Michael Oberst · David Sontag

In Poster Session 2

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## Network change point localisation under local differential privacy

Mengchu Li · Tom Berrett · Yi Yu

In Poster Session 2

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## **When Privacy Meets Partial Information: A Refined Analysis of Differentially Private Bandits**

Achraf Azize · Debabrota Basu

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## **Diversified Recommendations for Agents with Adaptive Preferences**

William Brown · Arpit Agarwal

In Poster Session 2

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## **Confident Approximate Policy Iteration for Efficient Local Planning in $q^\pi$ -realizable MDPs**

Gellért Weisz · András György · Csaba Szepesvári

In Poster Session 2

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## **Parameter-free Regret in High Probability with Heavy Tails**

Jiujia Zhang · Ashok Cutkosky

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## **Shape And Structure Preserving Differential Privacy**

Carlos Soto · Karthik Bharath · Matthew Reimherr · Aleksandra Slavković

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## **Multi-layer State Evolution Under Random Convolutional Design**

Max Daniels · Cédric Gerbelot · Florent Krzakala · Lenka Zdeborová

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## **Graph Neural Networks with Adaptive Readouts**

David Buterez · Jon Paul Janet · Steven J Kiddle · Dino Oglic · Pietro Liò

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## **On the detrimental effect of invariances in the likelihood for variational inference**

Richard Kurle · Ralf Herbrich · Tim Januschowski · Yuyang (Bernie) Wang · Jan Gasthaus

In Poster Session 2

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## **Causally motivated multi-shortcut identification and removal**

Jiayun Zheng · Maggie Makar

In Poster Session 2

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Poster

## **Learning Predictions for Algorithms with Predictions**

Misha Khodak · Maria-Florina Balcan · Ameet Talwalkar · Sergei Vassilvitskii

In Poster Session 2

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## Near-Optimal Collaborative Learning in Bandits

Clémence Réda · Sattar Vakili · Emilie Kaufmann

In Poster Session 2

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## Incentivizing Combinatorial Bandit Exploration

Xinyan Hu · Dung Ngo · Aleksandrs Slivkins · Steven Wu

In Poster Session 2

[  OpenReview ]

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## BR-SNIS: Bias Reduced Self-Normalized Importance Sampling

Gabriel Cardoso · Sergey Samsonov · Achille Thin · Eric Moulines · Jimmy Olsson

In Poster Session 2

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## Differentially Private Learning with Margin Guarantees

Raef Bassily · Mehryar Mohri · Ananda Theertha Suresh

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## Multiclass Learnability Beyond the PAC Framework: Universal Rates and Partial Concept Classes

Alkis Kalavasis · Grigoris Velegkas · Amin Karbasi

In Poster Session 2

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## Planning to the Information Horizon of BAMDPs via Epistemic State Abstraction

Dilip Arumugam · Satinder Singh

In Poster Session 2

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## Pay attention to your loss : understanding misconceptions about Lipschitz neural networks

Louis Béthune · Thibaut Boissin · Mathieu Serrurier · Franck Mamalet · Corentin Friedrich · Alberto Gonzalez · In Poster Session 2  
Sanz

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## What You See is What You Get: Principled Deep Learning via Distributional Generalization

Bogdan Kulynych · Yao-Yuan Yang · Yaodong Yu · Jarosław Blasiok · Preetum Nakkiran

In Poster Session 2

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## Data-Driven Model-Based Optimization via Invariant Representation Learning

Han Qi · Yi Su · Aviral Kumar · Sergey Levine

In Poster Session 2

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## Learning Manifold Dimensions with Conditional Variational Autoencoders

Yijia Zheng · Tong He · Yixuan Qiu · David P Wipf

In Poster Session 2

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## **Asymptotics of $\ell_2$ Regularized Network Embeddings**

Andrew Davison

In Poster Session 2

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Poster

## **TabNAS: Rejection Sampling for Neural Architecture Search on Tabular Datasets**

Chengrun Yang · Gabriel Bender · Hanxiao Liu · Pieter-Jan Kindermans · Madeleine Udell · Yifeng Lu · Quoc V

Le · Da Huang

In Poster Session 2

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Poster

## **Which Explanation Should I Choose? A Function Approximation Perspective to Characterizing Post Hoc Explanations**

Tessa Han · Suraj Srinivas · Himabindu Lakkaraju

In Poster Session 2

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Poster

## **CS-Shapley: Class-wise Shapley Values for Data Valuation in Classification**

Stephanie Schoch · Haifeng Xu · Yangfeng Ji

In Poster Session 2

[  OpenReview ]

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Poster

## **Teacher Forcing Recovers Reward Functions for Text Generation**

Yongchang Hao · Yuxin Liu · Lili Mou

In Poster Session 2

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Poster

## **Making Sense of Dependence: Efficient Black-box Explanations Using Dependence Measure**

Paul Novello · Thomas FEL · David Vigouroux

In Poster Session 2

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Poster

## **MGNNI: Multiscale Graph Neural Networks with Implicit Layers**

Juncheng Liu · Bryan Hooi · Kenji Kawaguchi · Xiaokui Xiao

In Poster Session 2

[  OpenReview ]

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Poster

## **Gaussian Copula Embeddings**

Chien Lu · Jaakko Peltonen

In Poster Session 2

[  OpenReview ]

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Poster

## **On Learning Fairness and Accuracy on Multiple Subgroups**

Changjian Shui · Gezheng Xu · Qi CHEN · Jiaqi Li · Charles Ling · Tal Arbel · Boyu Wang · Christian Gagné

In Poster Session 2

[  Slides ] [  Poster ] [  OpenReview ]

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Poster

## **Mind the Gap: Understanding the Modality Gap in Multi-modal Contrastive Representation Learning**

Victor Weixin Liang · Yuhui Zhang · Yongchan Kwon · Serena Yeung · James Zou

In Poster Session 2

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Poster

## **Sequencer: Deep LSTM for Image Classification**

Yuki Tatsunami · Masato Taki

In Poster Session 2

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Poster

## **Multimodal Contrastive Learning with LIMoE: the Language-Image Mixture of Experts**

Basil Mustafa · Carlos Riquelme · Joan Puigcerver · Rodolphe Jenatton · Neil Houlsby

In Poster Session 2

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Poster

## **Sound and Complete Verification of Polynomial Networks**

Elias Abad Rocamora · Mehmet Fatih Sahin · Fanghui Liu · Grigoris Chrysos · Volkan Cevher

In Poster Session 2

[ [Poster](#) ] [ [OpenReview](#) ]

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Poster

## **DReS-FL: Dropout-Resilient Secure Federated Learning for Non-IID Clients via Secret Data Sharing**

Jiawei Shao · Yuchang Sun · Songze Li · Jun Zhang

In Poster Session 2

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Poster

## **Generalized Laplacian Eigenmaps**

Hao Zhu · Piotr Koniusz

In Poster Session 2

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Poster

## **Statistical, Robustness, and Computational Guarantees for Sliced Wasserstein Distances**

Sloan Nietert · Ziv Goldfeld · Ritwik Sadhu · Kengo Kato

In Poster Session 2

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Poster

## **Anchor-Changing Regularized Natural Policy Gradient for Multi-Objective Reinforcement Learning**

Ruida Zhou · Tao Liu · Dileep Kalathil · P. R. Kumar · Chao Tian

In Poster Session 2

[ [OpenReview](#) ]

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Poster

## **RKHS-SHAP: Shapley Values for Kernel Methods**

Siu Lun Chau · Robert Hu · Javier González · Dino Sejdinovic

In Poster Session 2

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Poster

## **Temporally-Consistent Survival Analysis**

Lucas Maystre · Daniel Russo

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #431

Poster

**ULNeF: Untangled Layered Neural Fields for Mix-and-Match Virtual Try-On**

Igor Santesteban · Miguel Otaduy · Nils Thuerey · Dan Casas

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #430

Poster

**Diffusion-based Molecule Generation with Informative Prior Bridges**

Lemeng Wu · Chengyue Gong · Xingchao Liu · Mao Ye · Qiang Liu

In Poster Session 2

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Poster

**Learning with convolution and pooling operations in kernel methods**

Theodor Misiakiewicz · Song Mei

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #428

Poster

**Optimizing Relevance Maps of Vision Transformers Improves Robustness**

Hila Chefer · Idan Schwartz · Lior Wolf

In Poster Session 2

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Poster

**Unsupervised Causal Generative Understanding of Images**

Titas Auciukevicius · Patrick Fox-Roberts · Edward Rosten · Paul Henderson

In Poster Session 2

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Poster

**SelecMix: Debiased Learning by Contradicting-pair Sampling**

Inwoo Hwang · Sangjun Lee · Yunhyeok Kwak · Seong Joon Oh · Damien Teney · Jin-Hwa Kim · Byoung-Tak Zhang

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #425

Poster

**Controllable Text Generation with Neurally-Decomposed Oracle**

Tao Meng · Sidi Lu · Nanyun Peng · Kai-Wei Chang

In Poster Session 2

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Poster

**Explain My Surprise: Learning Efficient Long-Term Memory by predicting uncertain outcomes**

Artyom Sorokin · Nazar Buzun · Leonid Pugachev · Mikhail Burtsev

In Poster Session 2

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Poster

**Rethinking Resolution in the Context of Efficient Video Recognition**

Chuofan Ma · Qiushan Guo · Yi Jiang · Ping Luo · Zehuan Yuan · Xiaojuan Qi

In Poster Session 2

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Poster

## **Unsupervised Visual Representation Learning via Mutual Information Regularized Assignment**

Dong Hoon Lee · Sungik Choi · Hyunwoo Kim · Sae-Young Chung

In Poster Session 2

[ Poster ] [  OpenReview ]

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Poster

## **Few-Shot Parameter-Efficient Fine-Tuning is Better and Cheaper than In-Context Learning**

Haokun Liu · Derek Tam · Mohammed Muqeeth · Jay Mohta · Tenghao Huang · Mohit Bansal · Colin Raffel

In Poster Session 2

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Poster

## **Infinite-Fidelity Coregionalization for Physical Simulation**

Shibo Li · Zheng Wang · Robert Kirby · Shandian Zhe

In Poster Session 2

[ Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #419

Poster

## **Transformers meet Stochastic Block Models: Attention with Data-Adaptive Sparsity and Cost**

Sungjun Cho · Seonwoo Min · Jinwoo Kim · Moontae Lee · Honglak Lee · Seunghoon Hong

In Poster Session 2

[ Poster ] [  OpenReview ]

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## **Private Set Generation with Discriminative Information**

Dingfan Chen · Raouf Kerrouche · Mario Fritz

In Poster Session 2

[ Poster ] [  OpenReview ]

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Poster

## **Private Synthetic Data for Multitask Learning and Marginal Queries**

Giuseppe Vietri · Cedric Archambeau · Sergul Aydore · William Brown · Michael Kearns · Aaron Roth · Ankit Siva  
· Shuai Tang · Steven Wu

[ Poster ] [  OpenReview ]

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Poster

## **Deep Equilibrium Approaches to Diffusion Models**

Ashwini Pokle · Zhengyang Geng · J. Zico Kolter

In Poster Session 2

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Poster

## **A Reparametrization-Invariant Sharpness Measure Based on Information Geometry**

Cheongjae Jang · Sungyoon Lee · Frank Park · Yung-Kyun Noh

In Poster Session 2

[ Poster ] [  OpenReview ]

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Poster

## **A Statistical Online Inference Approach in Averaged Stochastic Approximation**

Chuhan Xie · Zhihua Zhang

In Poster Session 2

[ Poster ] [  OpenReview ]

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Poster

## **Understanding Square Loss in Training Overparametrized Neural Network Classifiers**

Tianyang Hu · Jun WANG · Wenjia Wang · Zhenguo Li

In Poster Session 2

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Poster

## **A Deep Reinforcement Learning Framework for Column Generation**

Cheng Chi · Amine Aboussalah · Elias Khalil · Juyoung Wang · Zoha Sherkat-Masoumi

In Poster Session 2

[  OpenReview ]

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Poster

## **Monte Carlo Augmented Actor-Critic for Sparse Reward Deep Reinforcement Learning from Suboptimal Demonstrations**

Albert Wilcox · Ashwin Balakrishna · Jules Dedieu · Wyame Benslimane · Daniel Brown · Ken Goldberg

In Poster Session 2

[  OpenReview ]

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Poster

## **Pre-Trained Language Models for Interactive Decision-Making**

Shuang Li · Xavier Puig · Chris Paxton · Yilun Du · Clinton Wang · Linxi Fan · Tao Chen · De-An Huang · Ekin Akyürek · Anima Anandkumar · Jacob Andreas · Igor Mordatch · Antonio Torralba · Yuke Zhu

In Poster Session 2

[  OpenReview ]

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Poster

## **The Neural Testbed: Evaluating Joint Predictions**

Ian Osband · Zheng Wen · Seyed Mohammad Asghari · Vikranth Dwaracherla · Xiuyuan Lu · MORTEZA IBRAHIMI · Dieterich Lawson · Botao Hao · Brendan O'Donoghue · Benjamin Van Roy

In Poster Session 2

[  OpenReview ]

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Poster

## **Is a Modular Architecture Enough?**

Sarthak Mittal · Yoshua Bengio · Guillaume Lajoie

In Poster Session 2

[  Poster ] [  OpenReview ]

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Poster

## **A theory of weight distribution-constrained learning**

Weishun Zhong · Ben Sorscher · Daniel Lee · Haim Sompolinsky

In Poster Session 2

[  OpenReview ]

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Poster

## **Fast Bayesian Estimation of Point Process Intensity as Function of Covariates**

Hideaki Kim · Taichi Asami · Hiroyuki Toda

In Poster Session 2

[  OpenReview ]

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Poster

## **PopArt: Efficient Sparse Regression and Experimental Design for Optimal Sparse Linear Bandits**

Kyoungseok Jang · Chicheng Zhang · Kwang-Sung Jun

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #404

Poster

## **Parallel Tempering With a Variational Reference**

Nikola Surjanovic · Saifuddin Syed · Alexandre Bouchard-Côté · Trevor Campbell

In Poster Session 2

[  Poster ] [  OpenReview ]

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Poster

## **Embrace the Gap: VAEs Perform Independent Mechanism Analysis**

Patrik Reizinger · Luigi Gresele · Jack Brady · Julius von Kügelgen · Dominik Zietlow · Bernhard Schölkopf · In Poster Session 2

Georg Martius · Wieland Brendel · Michel Besserve

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Poster

## **Learning Deep Input-Output Stable Dynamics**

Ryosuke Kojima · Yuji Okamoto

In Poster Session 2

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Poster

## **Towards Reliable Simulation-Based Inference with Balanced Neural Ratio Estimation**

Arnaud Delaunoy · Joeri Hermans · François Rozet · Antoine Wehenkel · Gilles Louppe

In Poster Session 2

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Poster

## **Hyperbolic Embedding Inference for Structured Multi-Label Prediction**

Bo Xiong · Michael Cochez · Mojtaba Nayyeri · Steffen Staab

In Poster Session 2

[ [OpenReview](#) ]

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Poster

## **Surprising Instabilities in Training Deep Networks and a Theoretical Analysis**

Yuxin Sun · DONG LAO · Ganesh Sundaramoorthi · Anthony Yezzi

In Poster Session 2

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Poster

## **Object Representations as Fixed Points: Training Iterative Refinement Algorithms with Implicit Differentiation**

Michael Chang · Tom Griffiths · Sergey Levine

In Poster Session 2

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Poster

## **Boosting the Performance of Generic Deep Neural Network Frameworks with Log-supermodular CRFs**

Hao Xiong · Yangxiao Lu · Nicholas Ruozzi

In Poster Session 2

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Poster

## **SnAKE: Bayesian Optimization with Pathwise Exploration**

Jose Pablo Folch · Shiqiang Zhang · Robert Lee · Behrang Shafei · David Walz · Calvin Tsay · Mark van der Wilk In Poster Session 2

· Ruth Misener

[ [Poster](#) ] [ [OpenReview](#) ]

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Poster

## **On Measuring Excess Capacity in Neural Networks**

Florian Graf · Sebastian Zeng · Bastian Rieck · Marc Niethammer · Roland Kwitt

In Poster Session 2

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Poster

## **Robust Reinforcement Learning using Offline Data**

Kishan Panaganti · Zaiyan Xu · Dileep Kalathil · Mohammad Ghavamzadeh

In Poster Session 2

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Poster

### ***Thinned random measures for sparse graphs with overlapping communities***

Federica Zoe Ricci · Michele Guindani · Erik Sudderth

In Poster Session 2

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Poster

### ***Value Function Decomposition for Iterative Design of Reinforcement Learning Agents***

James MacGlashan · Evan Archer · Alisa Devlic · Takuma Seno · Craig Sherstan · Peter Wurman · Peter Stone In Poster Session 2

[  OpenReview ]

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Poster

### ***The Privacy Onion Effect: Memorization is Relative***

Nicholas Carlini · Matthew Jagielski · Chiyuan Zhang · Nicolas Papernot · Andreas Terzis · Florian Tramer

In Poster Session 2

[  OpenReview ]

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Poster

### ***Evaluating Graph Generative Models with Contrastively Learned Features***

Hamed Shirzad · Kaveh Hassani · Danica J. Sutherland

In Poster Session 2

[  OpenReview ]

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Poster

### ***Weakly supervised causal representation learning***

Johann Brehmer · Pim de Haan · Phillip Lippe · Taco Cohen

In Poster Session 2

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Poster

### ***Kernel Memory Networks: A Unifying Framework for Memory Modeling***

Georgios Iatropoulos · Johann Brea · Wulfram Gerstner

In Poster Session 2

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Poster

### ***Wavelet Score-Based Generative Modeling***

Florentin Guth · Simon Coste · Valentin De Bortoli · Stephane Mallat

In Poster Session 2

[  OpenReview ]

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Poster

### ***Monte Carlo Tree Descent for Black-Box Optimization***

Yaoguang Zhai · Sicun Gao

In Poster Session 2

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Poster

### ***Adaptive Sampling for Discovery***

Ziping Xu · Eunjae Shim · Ambuj Tewari · Paul Zimmerman

In Poster Session 2

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Poster

### ***Data-IQ: Characterizing subgroups with heterogeneous outcomes in tabular data***

Nabeel Seedat · Jonathan Crabbé · Ioana Bica · Mihaela van der Schaar

In Poster Session 2

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Poster

## ***Beyond Rewards: a Hierarchical Perspective on Offline Multiagent Behavioral Analysis***

Shayegan Omidshafiei · Andrei Kapishnikov · Yannick Assogba · Lucas Dixon · Been Kim

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #521

Poster

## ***Deep Hierarchical Planning from Pixels***

Danijar Hafner · Kuang-Huei Lee · Ian Fischer · Pieter Abbeel

In Poster Session 2

[  OpenReview ]

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Poster

## ***Private Multiparty Perception for Navigation***

Hui Lu · Mia Chiquier · Carl Vondrick

In Poster Session 2

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Poster

## ***Mesoscopic modeling of hidden spiking neurons***

Shuqi Wang · Valentin Schmutz · Guillaume Bellec · Wulfram Gerstner

In Poster Session 2

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Poster

## ***Toward a realistic model of speech processing in the brain with self-supervised learning***

Juliette MILLET · Charlotte Caucheteux · pierre orhan · Yves Boubenec · Alexandre Gramfort · Ewan Dunbar · Christophe Pallier · Jean-Remi King

In Poster Session 2

[  OpenReview ]

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Poster

## ***Harmonizing the object recognition strategies of deep neural networks with humans***

Thomas FEL · Ivan F Rodriguez Rodriguez · Drew A Linsley · Thomas Serre

In Poster Session 2

[  OpenReview ]

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Poster

## ***Temporal Latent Bottleneck: Synthesis of Fast and Slow Processing Mechanisms in Sequence Learning***

Aniket Didolkar · Kshitij Gupta · Anirudh Goyal · Alex Lamb · Nan Rosemary Ke · Yoshua Bengio

In Poster Session 2

[  OpenReview ]

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Poster

## ***Efficient Training of Low-Curvature Neural Networks***

Suraj Srinivas · Kyle Matoba · Himabindu Lakkaraju · François Fleuret

In Poster Session 2

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Poster

## ***Consistent Sufficient Explanations and Minimal Local Rules for explaining the decision of any classifier or regressor***

Salim I. Amoukou · Nicolas Brunel

In Poster Session 2

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Poster

## **Social-Inverse: Inverse Decision-making of Social Contagion Management with Task Migrations**

Guangmo Tong

In Poster Session 2

[  OpenReview ]

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Poster

## **Nonlinear Sufficient Dimension Reduction with a Stochastic Neural Network**

SIQI LIANG · Yan Sun · Faming Liang

In Poster Session 2

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Poster

## **Data-Driven Conditional Robust Optimization**

Abhilash Reddy Chenreddy · Nymisha Bandi · Erick Delage

In Poster Session 2

[  OpenReview ]

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Poster

## **Subgame Solving in Adversarial Team Games**

Brian Zhang · Luca Carminati · Federico Cacciamani · Gabriele Farina · Pierrick Olivieri · Nicola Gatti ·

In Poster Session 2

Tuomas Sandholm

[  OpenReview ]

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Poster

## **Nearly Optimal Algorithms for Linear Contextual Bandits with Adversarial Corruptions**

Jiafan He · Dongruo Zhou · Tong Zhang · Quanquan Gu

In Poster Session 2

[  OpenReview ]

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## **Universal Rates for Interactive Learning**

Steve Hanneke · Amin Karbasi · Shay Moran · Grigoris Velekas

In Poster Session 2

[  OpenReview ]

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Poster

## **Understanding the Generalization Benefit of Normalization Layers: Sharpness Reduction**

Kaifeng Lyu · Zhiyuan Li · Sanjeev Arora

In Poster Session 2

[  OpenReview ]

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## **Learning from Label Proportions by Learning with Label Noise**

Jianxin Zhang · Yutong Wang · Clay Scott

In Poster Session 2

[  OpenReview ]

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Poster

## **Efficient Methods for Non-stationary Online Learning**

Peng Zhao · Yan-Feng Xie · Lijun Zhang · Zhi-Hua Zhou

In Poster Session 2

[  OpenReview ]

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Poster

## **Black-Box Generalization: Stability of Zeroth-Order Learning**

Konstantinos Nikolakakis · Farzin Haddadpour · Dionysis Kalogerias · Amin Karbasi

In Poster Session 2

[  OpenReview ]

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Poster

## **Provably Efficient Offline Multi-agent Reinforcement Learning via Strategy-wise Bonus**

Qiwen Cui · Simon Du

In Poster Session 2

[  OpenReview ]

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Poster

## **Minimax-Optimal Multi-Agent RL in Markov Games With a Generative Model**

Gen Li · Yuejie Chi · Yuting Wei · Yuxin Chen

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #541

Poster

## **Decentralized Gossip-Based Stochastic Bilevel Optimization over Communication Networks**

Shuguang Yang · Xuezhou Zhang · Mengdi Wang

In Poster Session 2

[  OpenReview ]

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Poster

## **VaiPhy: a Variational Inference Based Algorithm for Phylogeny**

Hazal Koptagel · Oskar Kviman · Harald Melin · Negar Safinianaini · Jens Lagergren

In Poster Session 2

[  OpenReview ]

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Poster

## **Posterior Matching for Arbitrary Conditioning**

Ryan Strauss · Junier B Oliva

In Poster Session 2

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Poster

## **Film: Frequency improved Legendre Memory Model for Long-term Time Series Forecasting**

Tian Zhou · Ziqing MA · xue wang · Qingsong Wen · Liang Sun · Tao Yao · Wotao Yin · Rong Jin

In Poster Session 2

[ Poster ] [  OpenReview ]

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Poster

## **LiteTransformerSearch: Training-free Neural Architecture Search for Efficient Language Models**

Mojan Javaheripi · Gustavo de Rosa · Subhabrata Mukherjee · Shital Shah · Tomasz Religa · Caio Cesar · Teodoro Mendes · Sebastien Bubeck · Farinaz Koushanfar · Debadeepta Dey

In Poster Session 2

[  OpenReview ]

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Poster

## **Rare Gems: Finding Lottery Tickets at Initialization**

Kartik Sreenivasan · Jy-yong Sohn · Liu Yang · Matthew Grinde · Alliot Nagle · Hongyi Wang · Eric Xing · Kangwook Lee · Dimitris Papailiopoulos

In Poster Session 2

[  OpenReview ]

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Poster

## **Rethinking the compositionality of point clouds through regularization in the hyperbolic space**

Antonio Montanaro · Diego Valsesia · Enrico Magli

In Poster Session 2

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Poster

## **QC-StyleGAN - Quality Controllable Image Generation and Manipulation**

Dat Viet Thanh Nguyen · Phong Tran The · Tan M. Dinh · Cuong Pham · Anh Tran

In Poster Session 2

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Poster

## **Look Around and Refer: 2D Synthetic Semantics Knowledge Distillation for 3D Visual Grounding**

Eslam Bakr · Yasmeen Alsaedy · Mohamed Elhoseiny

In Poster Session 2

[ [OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #635

Poster

## **Fine-Grained Semantically Aligned Vision-Language Pre-Training**

Juncheng Li · XIN HE · Longhui Wei · Long Qian · Linchao Zhu · Lingxi Xie · Yueting Zhuang · Qi Tian · Siliang Tang

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #634

Poster

## **Self-Supervised Aggregation of Diverse Experts for Test-Agnostic Long-Tailed Recognition**

Yifan Zhang · Bryan Hooi · Lanqing Hong · Jiashi Feng

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #633

Poster

## **Singular Value Fine-tuning: Few-shot Segmentation requires Few-parameters Fine-tuning**

Yanpeng Sun · Qiang Chen · Xiangyu He · Jian Wang · Haocheng Feng · Junyu Han · Errui Ding · Jian Cheng · Zechao Li · Jingdong Wang

In Poster Session 2

[ [Poster](#) ] [ [OpenReview](#) ]

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Poster

## **SageMix: Saliency-Guided Mixup for Point Clouds**

Sanghyeon Lee · Minkyu Jeon · Injae Kim · Yunyang Xiong · Hyunwoo Kim

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #631

Poster

## **Local Spatiotemporal Representation Learning for Longitudinally-consistent Neuroimage Analysis**

Mengwei Ren · Neel Dey · Martin Styner · Kelly Botteron · Guido Gerig

In Poster Session 2

[ [OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #630

Poster

## **Decomposing NeRF for Editing via Feature Field Distillation**

Sosuke Kobayashi · Eiichi Matsumoto · Vincent Sitzmann

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #629

Poster

## **Dual-discriminative Graph Neural Network for Imbalanced Graph-level Anomaly Detection**

GE ZHANG · Zhenyu Yang · Jia Wu · Jian Yang · Shan Xue · Hao Peng · Jianlin Su · Chuan Zhou · Quan Z. Sheng · Leman Akoglu · Charu Aggarwal

In Poster Session 2

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Poster

## **Effective Adaptation in Multi-Task Co-Training for Unified Autonomous Driving**

Xiwen Liang · Yangxin Wu · Jianhua Han · Hang Xu · Chunjing XU · Xiaodan Liang

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #627

Poster

## **Hierarchical Normalization for Robust Monocular Depth Estimation**

Chi Zhang · Wei Yin · Billzb Wang · Gang Yu · BIN FU · Chunhua Shen

In Poster Session 2

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Poster

## **GLIPv2: Unifying Localization and Vision-Language Understanding**

Haotian Zhang · Pengchuan Zhang · Xiaowei Hu · Yen-Chun Chen · Liunian Li · Xiyang Dai · Lijuan Wang · Lu Yuan · Jenq-Neng Hwang · Jianfeng Gao

In Poster Session 2

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Poster

## **AVLEN: Audio-Visual-Language Embodied Navigation in 3D Environments**

Sudipta Paul · Amit Roy-Chowdhury · Anoop Cherian

In Poster Session 2

[  OpenReview ]

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Poster

## **Single-phase deep learning in cortico-cortical networks**

Will Greedy · Heng Wei Zhu · Joseph Pemberton · Jack Mellor · Rui Ponte Costa

In Poster Session 2

[  OpenReview ]

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Poster

## **Understanding Robust Learning through the Lens of Representation Similarities**

Christian Cianfarani · Arjun Nitin Bhagoji · Vikash Sehwag · Ben Zhao · Heather Zheng · Prateek Mittal

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #622

Poster

## **EF-BV: A Unified Theory of Error Feedback and Variance Reduction Mechanisms for Biased and Unbiased Compression in Distributed Optimization**

Laurent Condat · Kai Yi · Peter Richtarik

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #621

Poster

## **LST: Ladder Side-Tuning for Parameter and Memory Efficient Transfer Learning**

Yi-Lin Sung · Jaemin Cho · Mohit Bansal

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #620

Poster

## **Scalable Neural Video Representations with Learnable Positional Features**

Subin Kim · Sihyun Yu · Jaeho Lee · Jinwoo Shin

In Poster Session 2

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## **Are All Losses Created Equal: A Neural Collapse Perspective**

Jinxin Zhou · Chong You · Xiao Li · Kangning Liu · Sheng Liu · Qing Qu · Zhihui Zhu

In Poster Session 2

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Poster

### **Lazy and Fast Greedy MAP Inference for Determinantal Point Process**

Shinichi Hemmi · Taihei Oki · Shinsaku Sakaue · Kaito Fujii · Satoru Iwata

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #617

Poster

### **Smoothed Online Convex Optimization Based on Discounted-Normal-Predictor**

Lijun Zhang · Wei Jiang · Jinfeng Yi · Tianbao Yang

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #616

Poster

### **Privacy Induces Robustness: Information-Computation Gaps and Sparse Mean Estimation**

Kristian Georgiev · Samuel Hopkins

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #615

Poster

### **Fast Bayesian Coresets via Subsampling and Quasi-Newton Refinement**

Cian Naik · Judith Rousseau · Trevor Campbell

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #614

Poster

### **Biological Learning of Irreducible Representations of Commuting Transformations**

Alexander Genkin · David Lipshutz · Siavash Golkar · Tiberiu Tesileanu · Dmitri Chklovskii

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #613

Poster

### **When to Ask for Help: Proactive Interventions in Autonomous Reinforcement Learning**

Annie Xie · Fahim Tajwar · Archit Sharma · Chelsea Finn

In Poster Session 2

[ [🔗 OpenReview](#) ]

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Poster

### **PALMER: Perception - Action Loop with Memory for Long-Horizon Planning**

Onur Beker · Mohammad Mohammadi · Amir Zamir

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #611

Poster

### **Training Subset Selection for Weak Supervision**

Hunter Lang · Aravindan Vijayaraghavan · David Sontag

In Poster Session 2

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Poster

### **Contrastive Learning as Goal-Conditioned Reinforcement Learning**

Benjamin Eysenbach · Tianjun Zhang · Sergey Levine · Russ Salakhutdinov

In Poster Session 2

[ [🔗 OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #609

Poster

### **CyCLIP: Cyclic Contrastive Language-Image Pretraining**

Shashank Goel · Hritik Bansal · Sumit Bhatia · Ryan Rossi · Vishwa Vinay · Aditya Grover

In Poster Session 2

[ [🔗 OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #608

Poster

## **Tempo: Accelerating Transformer-Based Model Training through Memory Footprint Reduction**

Muralidhar Andoorveedu · Zhanda Zhu · Bojian Zheng · Gennady Pekhimenko

In Poster Session 2

[ Slides ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #607

Poster

## **Trading off Utility, Informativeness, and Complexity in Emergent Communication**

Mycal Tucker · Roger Levy · Julie Shah · Noga Zaslavsky

In Poster Session 2

[ Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #606

Poster

## **Reduced Representation of Deformation Fields for Effective Non-rigid Shape Matching**

Ramana Subramanyam Sundararaman · Riccardo Marin · Emanuele Rodolà · Maks Ovsjanikov

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #605

Poster

## **Revisiting Neural Scaling Laws in Language and Vision**

Ibrahim Alabdulmohsin · Behnam Neyshabur · Xiaohua Zhai

In Poster Session 2

[ Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #604

Poster

## **FourierFormer: Transformer Meets Generalized Fourier Integral Theorem**

Tan Nguyen · Minh Pham · Tam Nguyen · Khai Nguyen · Stanley Osher · Nhat Ho

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #603

Poster

## **Real-Valued Backpropagation is Unsuitable for Complex-Valued Neural Networks**

Zhi-Hao Tan · Yi Xie · Yuan Jiang · Zhi-Hua Zhou

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #602

Poster

## **Enhanced Bilevel Optimization via Bregman Distance**

Feihu Huang · Junyi Li · Shangqian Gao · Heng Huang

In Poster Session 2

[ Slides ] [ Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #701

Poster

## **Adaptive Multi-stage Density Ratio Estimation for Learning Latent Space Energy-based Model**

Zhisheng Xiao · Tian Han

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #702

Poster

## **Learning Robust Rule Representations for Abstract Reasoning via Internal Inferences**

Wenbo Zhang · likai tang · Site Mo · Xianggen Liu · Sen Song

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #703

Poster

## **Saliency-Aware Neural Architecture Search**

Ramtin Hosseini · Pengtao Xie

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #704

Poster

## **Training with More Confidence: Mitigating Injected and Natural Backdoors During Training**

Zhenting Wang · Hailun Ding · Juan Zhai · Shiqing Ma

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #705

Poster

## **First is Better Than Last for Language Data Influence**

Chih-Kuan Yeh · Ankur Taly · Mukund Sundararajan · Frederick Liu · Pradeep Ravikumar

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #706

Poster

## **When to Make Exceptions: Exploring Language Models as Accounts of Human Moral Judgment**

Zhijing Jin · Sydney Levine · Fernando Gonzalez Adaucto · Ojasv Kamal · Maarten Sap · Mrinmaya Sachan · Rada Mihalcea · Josh Tenenbaum · Bernhard Schölkopf

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #707

Poster

## **Learning to Break the Loop: Analyzing and Mitigating Repetitions for Neural Text Generation**

Jin Xu · Xiaojiang Liu · Jianhao Yan · Deng Cai · Huayang Li · Jian Li

In Poster Session 2

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Poster

## **A simple but strong baseline for online continual learning: Repeated Augmented Rehearsal**

Yaqian Zhang · Bernhard Pfahringer · Eibe Frank · Albert Bifet · Nick Jin Sean Lim · Yunzhe Jia

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #709

Poster

## **Maximum Likelihood Training of Implicit Nonlinear Diffusion Model**

Dongjun Kim · Byeonghu Na · Se Jung Kwon · Dongsoo Lee · Wanmo Kang · Il-chul Moon

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #710

Poster

## **On Divergence Measures for Bayesian Pseudocoresets**

Balhae Kim · Jungwon Choi · Seanie Lee · Yoonho Lee · Jung-Woo Ha · Juho Lee

In Poster Session 2

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Poster

## **Towards Practical Few-shot Query Sets: Transductive Minimum Description Length Inference**

Séglène Martin · Malik Boudiaf · Emilie Chouzenoux · Jean-Christophe Pesquet · Ismail Ayed

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #712

Poster

## **MABSplit: Faster Forest Training Using Multi-Armed Bandits**

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Poster

**Reconstructing Training Data From Trained Neural Networks**

Niv Haim · Gal Vardi · Gilad Yehudai · Michal Irani · Ohad Shamir

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #714

Poster

**Information-Theoretic Safe Exploration with Gaussian Processes**

Alessandro Bottero · Carlos Luis · Julia Vinogradska · Felix Berkenkamp · Jan Peters

In Poster Session 2

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Poster

**Pruning's Effect on Generalization Through the Lens of Training and Regularization**

Tian Jin · Michael Carbin · Daniel M Roy · Jonathan Frankle · Gintare Karolina Dziugaite

In Poster Session 2

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Poster

**End-to-end Algorithm Synthesis with Recurrent Networks: Extrapolation without Overthinking**

Arpit Bansal · Avi Schwarzschild · Eitan Borgnia · Zeyad Emam · Furong Huang · Micah Goldblum · Tom Goldstein

In Poster Session 2

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**Conformal Prediction with Temporal Quantile Adjustments**

Zhen Lin · Shubhendu Trivedi · Jimeng Sun

In Poster Session 2

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Poster

**Expected Frequency Matrices of Elections: Computation, Geometry, and Preference Learning**

Niclas Boehmer · Robert Bredereck · Edith Elkind · Piotr Faliszewski · Stanisław Szufa

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #719

Poster

**Fast Bayesian Inference with Batch Bayesian Quadrature via Kernel Recombination**

Masaki Adachi · Satoshi Hayakawa · Martin Jørgensen · Harald Oberhauser · Michael A Osborne

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #720

Poster

**Online PAC-Bayes Learning**

Maxime Haddouche · Benjamin Guedj

In Poster Session 2

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Poster

**On the inability of Gaussian process regression to optimally learn compositional functions**

Matteo Giordano · Kolyan Ray · Johannes Schmidt-Hieber

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #723

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## ***Online Agnostic Multiclass Boosting***

Vinod Raman · Ambuj Tewari

In Poster Session 2

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Poster

## ***Beyond the Best: Distribution Functional Estimation in Infinite-Armed Bandits***

Yifei Wang · Tavor Baharav · Yanjun Han · Jiantao Jiao · David Tse

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #725

Poster

## ***Efficient Submodular Optimization under Noise: Local Search is Robust***

Lingxiao Huang · Yuyi Wang · Chunxue Yang · Huanjian Zhou

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #726

Poster

## ***Adversarially Robust Learning: A Generic Minimax Optimal Learner and Characterization***

Omar Montasser · Steve Hanneke · Nati Srebro

In Poster Session 2

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Poster

## ***A Regret-Variance Trade-Off in Online Learning***

Dirk van der Hoeven · Nikita Zhivotovskiy · Nicolò Cesa-Bianchi

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #728

Poster

## ***On the Effective Number of Linear Regions in Shallow Univariate ReLU Networks:***

### ***Convergence Guarantees and Implicit Bias***

Itay Safran · Gal Vardi · Jason Lee

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #729

Poster

## ***Off-Policy Evaluation for Episodic Partially Observable Markov Decision Processes under Non-Parametric Models***

Rui Miao · Zhengling Qi · Xiaoke Zhang

In Poster Session 2

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Poster

## ***Probabilistic Missing Value Imputation for Mixed Categorical and Ordered Data***

Yuxuan Zhao · Alex Townsend · Madeleine Udell

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #731

Poster

## ***Double Bubble, Toil and Trouble: Enhancing Certified Robustness through Transitivity***

Andrew Cullen · Paul Montague · Shijie Liu · Sarah Erfani · Benjamin Rubinstein

In Poster Session 2

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Poster

## ***Ensemble of Averages: Improving Model Selection and Boosting Performance in Domain Generalization***

[  OpenReview ]

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Poster

**Coresets for Vertical Federated Learning: Regularized Linear Regression and K-Means Clustering**

Lingxiao Huang · Zhize Li · Jialin Sun · Haoyu Zhao

In Poster Session 2

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Poster

**Active Bayesian Causal Inference**

Christian Toth · Lars Lorch · Christian Knoll · Andreas Krause · Franz Pernkopf · Robert Peharz · Julius von Kügelgen

In Poster Session 2

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**All Politics is Local: Redistricting via Local Fairness**

Shao-Heng Ko · Erin Taylor · Pankaj Agarwal · Kamesh Munagala

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #737

Poster

**Anticipating Performativity by Predicting from Predictions**

Celestine Mendler-Dünner · Frances Ding · Yixin Wang

In Poster Session 2

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Poster

**Graphein - a Python Library for Geometric Deep Learning and Network Analysis on Biomolecular Structures and Interaction Networks**

Arian Jamasb · Ramon Viñas Torné · Eric Ma · Yuanqi Du · Charles Harris · Kexin Huang · Dominic Hall · Pietro Lió · Tom Blundell

In Poster Session 2

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Poster

**The computational and learning benefits of Daleian neural networks**

Adam Haber · Elad Schneidman

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #740

Poster

**Optimal Algorithms for Decentralized Stochastic Variational Inequalities**

Dmitry Kovalev · Aleksandr Beznosikov · Abdurakhmon Sadiev · Michael Persiianov · Peter Richtarik · Alexander Gasnikov

In Poster Session 2

[  OpenReview ]

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Poster

**Theory and Approximate Solvers for Branched Optimal Transport with Multiple Sources**

Peter Lippmann · Enrique Fita Sanmartín · Fred Hamprecht

In Poster Session 2

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Poster

**Algorithms with Prediction Portfolios**

Michael Dinitz · Sungjin Im · Thomas Lavastida · Benjamin Moseley · Sergei Vassilvitskii

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #842

Poster

**Logical Activation Functions: Logit-space equivalents of Probabilistic Boolean Operators**

Scott Lowe · Robert Earle · Jason d'Eon · Thomas Trappenberg · Sageev Oore

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #841

Poster

**A Projection-free Algorithm for Constrained Stochastic Multi-level Composition Optimization**

Tesi Xiao · Krishnakumar Balasubramanian · Saeed Ghadimi

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #840

Poster

**Robust Model Selection and Nearly-Proper Learning for GMMs**

Allen Liu · Jerry Li · Ankur Moitra

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #839

Poster

**On Gap-dependent Bounds for Offline Reinforcement Learning**

Xinqi Wang · Qiwen Cui · Simon Du

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #838

Poster

**Perfect Sampling from Pairwise Comparisons**

Dimitris Fotakis · Alkis Kalavasis · Christos Tzamos

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #837

Poster

**Fast Stochastic Composite Minimization and an Accelerated Frank-Wolfe Algorithm under Parallelization**

Benjamin Dubois-Taine · Francis Bach · Quentin Berthet · Adrien Taylor

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #836

Poster

**Finding Correlated Equilibrium of Constrained Markov Game: A Primal-Dual Approach**

Ziyi Chen · Shaocong Ma · Yi Zhou

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #835

Poster

**Multi-block-Single-probe Variance Reduced Estimator for Coupled Compositional Optimization**

Wei Jiang · Gang Li · Yibo Wang · Lijun Zhang · Tianbao Yang

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #834

Poster

**Provably expressive temporal graph networks**

Amauri Souza · Diego Mesquita · Samuel Kaski · Vikas Garg

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #833

Poster

## **What's the Harm? Sharp Bounds on the Fraction Negatively Affected by Treatment**

Nathan Kallus

In Poster Session 2

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Poster

### **Dynamic Fair Division with Partial Information**

Gerdus Benade · Daniel Halpern · Alexandros Psomas

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #830

Poster

### **On Computing Probabilistic Explanations for Decision Trees**

Marcelo Arenas · Pablo Barceló · Miguel Romero Orth · Bernardo Subercaseaux

In Poster Session 2

[  OpenReview ]

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Poster

### **Anonymized Histograms in Intermediate Privacy Models**

Badih Ghazi · Prithish Kamath · Ravi Kumar · Pasin Manurangsi

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #828

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### **List-Decodable Sparse Mean Estimation via Difference-of-Pairs Filtering**

Ilias Diakonikolas · Daniel Kane · Sushrut Karmalkar · Ankit Pensia · Thanasis Pittas

In Poster Session 2

[  OpenReview ]

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Poster

### **The First Optimal Acceleration of High-Order Methods in Smooth Convex Optimization**

Dmitry Kovalev · Alexander Gasnikov

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #826

Poster

### **Near-Optimal Sample Complexity Bounds for Constrained MDPs**

Sharan Vaswani · Lin Yang · Csaba Szepesvari

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #825

Poster

### **Verification and search algorithms for causal DAGs**

Davin Choo · Kirankumar Shiragur · Arnab Bhattacharyya

In Poster Session 2

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Poster

### **Learning and Covering Sums of Independent Random Variables with Unbounded Support**

Alkis Kalavasis · Konstantinos Stavropoulos · Emmanouil Zampetakis

In Poster Session 2

[  Slides ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #823

Poster

### **Fast Mixing of Stochastic Gradient Descent with Normalization and Weight Decay**

Zhiyuan Li · Tianhao Wang · Dingli Yu

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #822

Poster

### **Robust Testing in High-Dimensional Sparse Models**

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #821

Poster

**Dynamic Tensor Product Regression**

Aravind Reddy · Zhao Song · Lichen Zhang

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #820

Poster

**Semi-supervised Active Linear Regression**

Nived Rajaraman · Fnu Devvrit · Pranjal Awasthi

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #819

Poster

**Quantum Speedups of Optimizing Approximately Convex Functions with Applications to Logarithmic Regret Stochastic Convex Bandits**

Tongyang Li · Ruizhe Zhang

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #818

Poster

**Independence Testing for Bounded Degree Bayesian Networks**

Arnab Bhattacharyya · Clément L Canonne · Qiping Yang

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #817

Poster

**Re-Analyze Gauss: Bounds for Private Matrix Approximation via Dyson Brownian Motion**

Oren Mangoubi · Nisheeth Vishnoi

In Poster Session 2

[\[ Slides \]](#) [\[ OpenReview \]](#)

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Poster

**Context-Based Dynamic Pricing with Partially Linear Demand Model**

Jinzhi Bu · David Simchi-Levi · Chonghuan Wang

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #815

Poster

**Extra-Newton: A First Approach to Noise-Adaptive Accelerated Second-Order Methods**

Kimon Antonakopoulos · Ali Kavis · Volkan Cevher

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #814

Poster

**Neural Lyapunov Control of Unknown Nonlinear Systems with Stability Guarantees**

Ruikun Zhou · Thanin Quartz · Hans De Sterck · Jun Liu

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #813

Poster

**Causal Inference with Non-IID Data using Linear Graphical Models**

Chi Zhang · Karthika Mohan · Judea Pearl

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #812

Poster

**Submodular Maximization in Clean Linear Time**

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #811

Poster

**Continuously Tempered PDMP samplers**

Matthew Sutton · Robert Salomone · Augustin Chevallier · Paul Fearnhead

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #810

Poster

**Regret Bounds for Multilabel Classification in Sparse Label Regimes**

Róbert Busa-Fekete · Heejin Choi · Krzysztof Dembczynski · Claudio Gentile · Henry Reeve · Balázs Szorenyi In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #809

Poster

**Provable Benefit of Multitask Representation Learning in Reinforcement Learning**

Yuan Cheng · Songtao Feng · Jing Yang · Hong Zhang · Yingbin Liang

In Poster Session 2

[\[ Poster \]](#) [\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #808

Poster

**BEER: Fast  $O(1/T)$  Rate for Decentralized Nonconvex Optimization with Communication Compression**

Haoyu Zhao · Boyue Li · Zhize Li · Peter Richtarik · Yuejie Chi

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #807

Poster

**Incrementality Bidding via Reinforcement Learning under Mixed and Delayed Rewards**

Ashwinkumar Badanidiyuru Varadaraja · Zhe Feng · Tianxi Li · Haifeng Xu

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #806

Poster

**DataMUX: Data Multiplexing for Neural Networks**

Vishvak Murahari · Carlos Jimenez · Runzhe Yang · Karthik Narasimhan

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #805

Poster

**Adaptively Exploiting  $d$ -Separators with Causal Bandits**

Blair Bilodeau · Linbo Wang · Daniel M Roy

In Poster Session 2

[\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #804

Poster

**Spending Thinking Time Wisely: Accelerating MCTS with Virtual Expansions**

Weirui Ye · Pieter Abbeel · Yang Gao

In Poster Session 2

[\[ Poster \]](#) [\[ OpenReview \]](#)

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #803

Poster

**Toward Efficient Robust Training against Union of  $\ell_p$  Threat Models**

Gaurang Sriramana · Maharshi Gor · Soheil Feizi

In Poster Session 2

[\[ OpenReview \]](#)

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Poster

**Inverse Game Theory for Stackelberg Games: the Blessing of Bounded Rationality**

[  OpenReview ]

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Poster

**Global Normalization for Streaming Speech Recognition in a Modular Framework**

Ehsan Variani · Ke Wu · Michael D Riley · David Rybach · Matt Shannon · Cyril Allauzen

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #800

Poster

**Trajectory-guided Control Prediction for End-to-end Autonomous Driving: A Simple yet Strong Baseline**

Penghao Wu · Xiaosong Jia · Li Chen · Junchi Yan · Hongyang Li · Yu Qiao

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #900

Poster

**DeepInteraction: 3D Object Detection via Modality Interaction**

Zeyu Yang · Jiaqi Chen · Zhenwei Miao · Wei Li · Xiatian Zhu · Li Zhang

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #901

Poster

**Category-Level 6D Object Pose Estimation in the Wild: A Semi-Supervised Learning Approach and A New Dataset**

Yang Fu · Xiaolong Wang

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #902

Poster

**Planning for Sample Efficient Imitation Learning**

Zhao-Heng Yin · Weirui Ye · Qifeng Chen · Yang Gao

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #903

Poster

**On Enforcing Better Conditioned Meta-Learning for Rapid Few-Shot Adaptation**

Markus Hiller · Mehrtash Harandi · Tom Drummond

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #904

Poster

**Polynomial Neural Fields for Subband Decomposition and Manipulation**

Guandao Yang · Sagie Benaim · Varun Jampani · Kyle Genova · Jonathan Barron · Thomas Funkhouser ·

In Poster Session 2

Bharath Hariharan · Serge Belongie

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #905

Poster

**Improving Self-Supervised Learning by Characterizing Idealized Representations**

Yann Dubois · Stefano Ermon · Tatsunori Hashimoto · Percy Liang

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #906

Poster

**Deep Ensembles Work, But Are They Necessary?**

Taiga Abe · Estefany Kelly Buchanan · Geoff Pleiss · Richard Zemel · John Cunningham

In Poster Session 2

[  OpenReview ]

|   |                     |
|---|---------------------|
| Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #907   | Poster              |
| <b>Learning to Mitigate AI Collusion on Economic Platforms</b>  |                     |
| Gianluca Brero · Eric Mibuary · Nicolas Lepore · David Parkes   | In Poster Session 2 |
| [  OpenReview ]  |                     |
| Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #908   | Poster              |
| <b>Hamiltonian Latent Operators for content and motion disentanglement in image sequences</b>   |                     |
| Asif Khan · Amos Storkey  | In Poster Session 2 |
| [  Poster ] [  OpenReview ]     |                     |
| Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #909   | Poster              |
| <b>Posterior Collapse of a Linear Latent Variable Model</b>   |                     |
| Zihao Wang · Liu Ziyin  | In Poster Session 2 |
| [  OpenReview ]  |                     |
| Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #910   | Poster              |
| <b>TREC: Transient Redundancy Elimination-based Convolution</b>   |                     |
| Jiawei Guan · Feng Zhang · Jiesong Liu · Hsin-Hsuan Sung · Ruofan Wu · Xiaoyong Du · Xipeng Shen  | In Poster Session 2 |
| [  Poster ] [  OpenReview ]     |                     |
| Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #911   | Poster              |
| <b>Unsupervised Reinforcement Learning with Contrastive Intrinsic Control</b>   |                     |
| Michael Laskin · Hao Liu · Xue Bin Peng · Denis Yarats · Aravind Rajeswaran · Pieter Abbeel   | In Poster Session 2 |
| [  OpenReview ]  |                     |
| Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #912   | Poster              |
| <b>Learnable Polyphase Sampling for Shift Invariant and Equivariant Convolutional Networks</b>  |                     |
| Renan A. Rojas-Gomez · Teck Yian Lim · Alex Schwing · Minh Do · Raymond A. Yeh  | In Poster Session 2 |
| [  Poster ] [  OpenReview ] |                     |
| Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #913   | Poster              |
| <b>Unsupervised Cross-Task Generalization via Retrieval Augmentation</b>  |                     |
| Bill Yuchen Lin · Kangmin Tan · Chris Miller · Beiwen Tian · Xiang Ren  | In Poster Session 2 |
| [  OpenReview ]  |                     |
| Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #914   | Poster              |
| <b>Self-Supervised Learning Through Efference Copies</b>  |                     |
| Franz Scherr · Qinghai Guo · Timoleon Moraits   | In Poster Session 2 |
| [  OpenReview ]  |                     |
| Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #915   | Poster              |
| <b>Aligning individual brains with fused unbalanced Gromov Wasserstein</b>  |                     |
| Alexis Thual · Quang Huy TRAN · Tatiana Zemskova · Nicolas Courty · Rémi Flamary · Stanislas Dehaene · Bertrand Thirion   | In Poster Session 2 |
| [  OpenReview ]  |                     |
| Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #916   | Poster              |
| <b>Formalizing Consistency and Coherence of Representation Learning</b>   |                     |
| Harald Strömfelt · Luke Dickens · Artur Garcez · Alessandra Russo   | In Poster Session 2 |

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #917

Poster

**Non-deep Networks**

Ankit Goyal · Alexey Bochkovskiy · Jia Deng · Vladlen Koltun

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #918

Poster

**Mining Unseen Classes via Regional Objectness: A Simple Baseline for Incremental Segmentation**

Zekang Zhang · Zekang Zhang · Zhiyuan Fang · Jianbo Jiao · Yunchao Wei

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #919

Poster

**Class-Dependent Label-Noise Learning with Cycle-Consistency Regularization**

De Cheng · Yixiong Ning · Nannan Wang · Xinbo Gao · Heng Yang · Yuxuan Du · Bo Han · Tongliang Liu

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #920

Poster

**Solving Quantitative Reasoning Problems with Language Models**

Aitor Lewkowycz · Anders Andreassen · David Dohan · Ethan Dyer · Henryk Michalewski · Vinay Ramasesh · Ambrose Sloane · Cem Anil · Imanol Schlag · Theo Gutman-Solo · Yuhuai Wu · Behnam Neyshabur · Guy Gur-Ari · Vedant Misra

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #921

Poster

**GENIE: Higher-Order Denoising Diffusion Solvers**

Tim Dockhorn · Arash Vahdat · Karsten Kreis

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #922

Poster

**Estimating the Arc Length of the Optimal ROC Curve and Lower Bounding the Maximal AUC**

Song Liu

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #923

Poster

**Marksman Backdoor: Backdoor Attacks with Arbitrary Target Class**

Khoa D Doan · Yingjie Lao · Ping Li

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #924

Poster

**Fuzzy Learning Machine**

Junbiao Cui · Jiye Liang

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #925

Poster

**Second Thoughts are Best: Learning to Re-Align With Human Values from Text Edits**

Ruibo Liu · Chenyan Jia · Ge Zhang · Ziyu Zhuang · Tony Liu · Soroush Vosoughi

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #926

Poster

## **Grounded Video Situation Recognition**

Zeeshan Khan · C.V. Jawahar · Makarand Tapaswi

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #927

Poster

## **Robust Neural Posterior Estimation and Statistical Model Criticism**

Daniel Ward · Patrick Cannon · Mark Beaumont · Matteo Fasiolo · Sebastian Schmon

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #928

Poster

## **RAMBO-RL: Robust Adversarial Model-Based Offline Reinforcement Learning**

Marc Rigter · Bruno Lacerda · Nick Hawes

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #929

Poster

## **Instance-based Learning for Knowledge Base Completion**

Wanyun Cui · Xingran Chen

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #930

Poster

## **Sub-exponential time Sum-of-Squares lower bounds for Principal Components Analysis**

Aaron Potechin · Goutham Rajendran

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #931

Poster

## **Tight Mutual Information Estimation With Contrastive Fenchel-Legendre Optimization**

Qing Guo · Junya Chen · Dong Wang · Yuewei Yang · Xinwei Deng · Jing Huang · Larry Carin · Fan Li · Chenyang Tao

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #932

Poster

## **A Rotated Hyperbolic Wrapped Normal Distribution for Hierarchical Representation**

### **Learning**

Seunghyuk Cho · Juyong Lee · Jaesik Park · Dongwoo Kim

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #933

Poster

## **Finding and Listing Front-door Adjustment Sets**

Hyunchai Jeong · Jin Tian · Elias Bareinboim

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #934

Poster

## **SALSA: Attacking Lattice Cryptography with Transformers**

Emily Wenger · Mingjie Chen · Francois Charton · Kristin E. Lauter

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #935

Poster

## **Automatic differentiation of nonsmooth iterative algorithms**

Jerome Bolte · Edouard Pauwels · Samuel Vaiter

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #936

Poster

## **Learning from a Sample in Online Algorithms**

C.J. Argue · Alan Frieze · Anupam Gupta · Christopher Seiler

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #937

Poster

## **Trajectory of Mini-Batch Momentum: Batch Size Saturation and Convergence in High Dimensions**

Kiwon Lee · Andrew Cheng · Elliot Paquette · Courtney Paquette

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #938

Poster

## **Improved Algorithms for Neural Active Learning**

Yikun Ban · Yuheng Zhang · Hanghang Tong · Arindam Banerjee · Jingrui He

In Poster Session 2

[  Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #939

Poster

## **Matching in Multi-arm Bandit with Collision**

YiRui Zhang · Siwei Wang · Zhixuan Fang

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #940

Poster

## **A Spectral Approach to Item Response Theory**

Duc Nguyen · Anderson Ye Zhang

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #941

Poster

## **JAWS: Auditing Predictive Uncertainty Under Covariate Shift**

Drew Prinster · Anqi Liu · Suchi Saria

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #942

Poster

## **Bessel Equivariant Networks for Inversion of Transmission Effects in Multi-Mode Optical Fibres**

Joshua Mitton · Simon Mekhail · Miles Padgett · Daniele Faccio · Marco Aversa · Roderick Murray-Smith

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1042

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## **MetricFormer: A Unified Perspective of Correlation Exploring in Similarity Learning**

Jiexi Yan · Erkun Yang · Cheng Deng · Heng Huang

In Poster Session 2

[  OpenReview ]

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Poster

## **ZSON: Zero-Shot Object-Goal Navigation using Multimodal Goal Embeddings**

Arjun Majumdar · Gunjan Aggarwal · Bhavika Devnani · Judy Hoffman · Dhruv Batra

In Poster Session 2

[  OpenReview ]

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Poster

## **Learning Recourse on Instance Environment to Enhance Prediction Accuracy**

Lokesh N · Guntakanti Sai Koushik · Abir De · Sunita Sarawagi

In Poster Session 2

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1039

Poster

### ***Spherization Layer: Representation Using Only Angles***

Hoyong Kim · kangil kim

In Poster Session 2

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Poster

### ***Disentangling the Predictive Variance of Deep Ensembles through the Neural Tangent Kernel***

Sejin Kobayashi · Pau Vilimelis Aceituno · Johannes von Oswald

In Poster Session 2

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Poster

### ***Agreement-on-the-line: Predicting the Performance of Neural Networks under Distribution Shift***

Christina Baek · Yiding Jiang · Aditi Raghunathan · J. Zico Kolter

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1036

Poster

### ***Efficient and Stable Fully Dynamic Facility Location***

Sayan Bhattacharya · Silvio Lattanzi · Nikos Parotsidis

In Poster Session 2

[  [OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1035

Poster

### ***Coresets for Wasserstein Distributionally Robust Optimization Problems***

Ruomin Huang · Jiawei Huang · Wenjie Liu · Hu Ding

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1034

Poster

### ***Differentially Private Online-to-batch for Smooth Losses***

Qinzi Zhang · Hoang Tran · Ashok Cutkosky

In Poster Session 2

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Poster

### ***How Transferable are Video Representations Based on Synthetic Data?***

Yo-whan Kim · Samarth Mishra · SouYoung Jin · Rameswar Panda · Hilde Kuehne · Leonid Karlinsky ·

In Poster Session 2

Venkatesh Saligrama · Kate Saenko · Aude Oliva · Rogerio Feris

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Poster

### ***SafeBench: A Benchmarking Platform for Safety Evaluation of Autonomous Vehicles***

Chejian Xu · Wenhao Ding · Weijie Lyu · ZUXIN LIU · Shuai Wang · Yihan He · Hanjiang Hu · DING ZHAO · Bo Li

In Poster Session 2

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Poster

### ***GLOBEM Dataset: Multi-Year Datasets for Longitudinal Human Behavior Modeling Generalization***

Xuhai Xu · Han Zhang · Yasaman Sefidgar · Yiyi Ren · Xin Liu · Woosuk Seo · Jennifer Brown · Kevin Kuehn ·

In Poster Session 2

Mike Merrill · Paula Nurius · Shwetak Patel · Tim Althoff · Margaret Morris · Eve Riskin · Jennifer Mankoff · Anind Dey

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1030

Poster

### **DABS 2.0: Improved Datasets and Algorithms for Universal Self-Supervision**

Alex Tamkin · Gaurab Banerjee · Mohamed Owda · Vincent Liu · Shashank Rammoorthy · Noah Goodman      In Poster Session 2

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Poster

### **GOOD: A Graph Out-of-Distribution Benchmark**

Shurui Gui · Xiner Li · Limei Wang · Shuiwang Ji

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1028

Poster

### **AnoShift: A Distribution Shift Benchmark for Unsupervised Anomaly Detection**

Marius Dragoi · Elena Burceanu · Emanuela Haller · Andrei Manolache · Florin Brad

In Poster Session 2

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Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1027

Poster

### **MineDojo: Building Open-Ended Embodied Agents with Internet-Scale Knowledge**

Linxi Fan · Guanzhi Wang · Yunfan Jiang · Ajay Mandlekar · Yuncong Yang · Haoyi Zhu · Andrew Tang · De-An Huang · Yuke Zhu · Anima Anandkumar

[ Poster ] [  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1026

Poster

### **EnvPool: A Highly Parallel Reinforcement Learning Environment Execution Engine**

Jiayi Weng · Min Lin · Shengyi Huang · Bo Liu · Denys Makoviichuk · Viktor Makoviychuk · Zichen Liu · Yufan Song · Ting Luo · Yukun Jiang · Zhongwen Xu · Shuicheng Yan

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### **DART: Articulated Hand Model with Diverse Accessories and Rich Textures**

Daiheng Gao · Yuliang Xiu · Kailin Li · Lixin Yang · Feng Wang · Peng Zhang · Bang Zhang · Cewu Lu · Ping Tan

In Poster Session 2

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### **HandMeThat: Human-Robot Communication in Physical and Social Environments**

Yanming Wan · Jiayuan Mao · Josh Tenenbaum

In Poster Session 2

[  OpenReview ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1023

Poster

### **The Dollar Street Dataset: Images Representing the Geographic and Socioeconomic Diversity of the World**

William Gavira Rojas · Sudnya Diamos · Keertan Kini · David Kanter · Vijay Janapa Reddi · Cody Coleman

In Poster Session 2

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Poster

### **PulseImpute: A Novel Benchmark Task for Pulsative Physiological Signal Imputation**

Maxwell Xu · Alexander Moreno · Supriya Nagesh · Varol Aydemir · David Wetter · Santosh Kumar · James Rehg

In Poster Session 2

[  OpenReview ]

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Poster

## **Unravelling the Performance of Physics-informed Graph Neural Networks for Dynamical Systems**

Abishek Thangamuthu · Gunjan Kumar · Suresh Bishnoi · Ravinder Bhattoo · N M Anoop Krishnan · Sayan Ranu In Poster Session 2

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Poster

## **Enabling Detailed Action Recognition Evaluation Through Video Dataset Augmentation**

Jihoon Chung · Yu Wu · Olga Russakovsky

In Poster Session 2

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Poster

## **Multi-LexSum: Real-world Summaries of Civil Rights Lawsuits at Multiple Granularities**

Zejiang Shen · Kyle Lo · Lauren Yu · Nathan Dahlberg · Margo Schlanger · Doug Downey

In Poster Session 2

[ [OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1018

Poster

## **SurDis: A Surface Discontinuity Dataset for Wearable Technology to Assist Blind Navigation in Urban Environments**

Kuan Yew Leong · Siew Mooi Lim

In Poster Session 2

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1017

Poster

## **Ontologue: Declarative Benchmark Construction for Ontological Multi-Label Classification**

Sean Yang · Bernease Herman · Bill Howe

In Poster Session 2

[ [OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1016

Poster

## **StrokeRehab: A Benchmark Dataset for Sub-second Action Identification**

Aakash Kaku · Kangning Liu · Avinash Parnandi · Haresh Rengaraj Rajamohan · Kannan Venkataramanan ·

In Poster Session 2

Anita Venkatesan · Audre Wirtanen · Natasha Pandit · Heidi Schambra · Carlos Fernandez-Granda

[ [OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1015

Poster

## **A new dataset for multilingual keyphrase generation**

Frédéric Piedboeuf · Philippe Langlais

In Poster Session 2

[ [Poster](#) ] [ [OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1014

Poster

## **Communicating Natural Programs to Humans and Machines**

Sam Acquaviva · Yewen Pu · Marta Kryven · Theodoros Sechopoulos · Catherine Wong · Gabrielle Ecanow ·

In Poster Session 2

Maxwell Nye · Michael Tessler · Josh Tenenbaum

[ [OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1013

Poster

## **ComMU: Dataset for Combinatorial Music Generation**

Hyun Lee · Taehyun Kim · Hyolim Kang · Minjoo Ki · Hyeonchan Hwang · kwanho park · Sharang Han · Seon

In Poster Session 2

Joo Kim

[ [OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1012

Poster

## **The BigScience ROOTS Corpus: A 1.6TB Composite Multilingual Dataset**

Hugo Laurençon · Lucile Saulnier · Thomas Wang · Christopher Akiki · Albert Villanova del Moral · Teven Le In Poster Session 2  
Scao · Leandro Von Werra · Chenghao Mou · Eduardo González Ponferrada · Huu Nguyen · Jörg Frohberg · Mario Šaško · Quentin Lhoest · Angelina McMillan-Major · Gerard Dupont · Stella Biderman · Anna Rogers · Loubna Ben allal · Francesco De Toni · Giada Pistilli · Olivier Nguyen · Somaieh Nikpoor · Maraim Masoud · Pierre Colombo · Javier de la Rosa · Paulo Villegas · Tristan Thrush · Shayne Longpre · Sebastian Nagel · Leon Weber · Manuel Muñoz · Jian Zhu · Daniel Van Strien · Zaid Alyafeai · Khalid Almubarak · Minh Chien Vu · Itziar Gonzalez-Dios · Aitor Soroa · Kyle Lo · Manan Dey · Pedro Ortiz Suarez · Aaron Gokaslan · Shamik Bose · David Adelani · Long Phan · Hieu Tran · Ian Yu · Suhas Pai · Jenny Chim · Violette Lepercq · Suzana Ilic · Margaret Mitchell · Sasha Alexandra Luccioni · Yacine Jernite

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1011

Poster

## **This is the way: designing and compiling LEPISZCZE, a comprehensive NLP benchmark for Polish**

Łukasz Augustyniak · Kamil Tagowski · Albert Sawczyn · Denis Janiak · Roman Bartusiak · Adrian Szymczak · In Poster Session 2  
Arkadiusz Janz · Piotr Szymański · Marcin Wątroba · Mikołaj Morzy · Tomasz Kajdanowicz · Maciej Piasecki

[ [🔗 OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1010

Poster

## **Flare7K: A Phenomenological Nighttime Flare Removal Dataset**

Yuekun Dai · Chongyi Li · Shangchen Zhou · Ruicheng Feng · Chen Change Loy

In Poster Session 2

[ [🔗 OpenReview](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1009

Poster

## **Online Nonnegative CP-dictionary Learning for Markovian Data**

Hanbaek Lyu · Christopher Strohmeier · Deanna Needell

In Poster Session 2

[ [Paper](#) ] [ [PDF](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1008

Poster

## **Supervised Dimensionality Reduction and Visualization using Centroid-Encoder**

Tomojit Ghosh · Michael Kirby

In Poster Session 2

[ [Poster](#) ]

[ [Paper](#) ] [ [PDF](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1007

Poster

## **Accelerated Zeroth-Order and First-Order Momentum Methods from Mini to Minimax Optimization**

Feihu Huang · Shangqian Gao · Jian Pei · Heng Huang

In Poster Session 2

[ [Slides](#) ] [ [Poster](#) ]

[ [Paper](#) ] [ [PDF](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1006

Poster

## **Joint Estimation and Inference for Data Integration Problems based on Multiple Multi-layered Gaussian Graphical Models**

Subhabrata Majumdar · George Michailidis

In Poster Session 2

[ [Paper](#) ] [ [PDF](#) ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1005

Poster

## **[Re] Explaining in Style: Training a GAN to explain a classifier in StyleSpace**

Noah van der Vleuten · Tadija Radusinović · Rick Akkerman · Meilina Reksoprodjo

In Poster Session 2

[ [Slides](#) ] [ [Poster](#) ]

[ Paper PDF ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1004

Poster

## **[Re] Replication Study of DECAF: Generating Fair Synthetic Data Using Causally-Aware Generative Networks**

Velizar Shulev · Paul Verhagen · Shuai Wang · Jennifer Zhuge

In Poster Session 2

[ Paper PDF ]

Tue Nov 29 02:30 PM -- 04:00 PM (PST) @ Hall J #1003

Poster

## **[Re] Value Alignment Verification**

Siba Smarak Panigrahi · Sohan Patnaik

In Poster Session 2

[ Poster ]

[ Paper PDF ]

Wed Nov 30 09:00 AM -- 11:00 AM (PST) @ Hall J #143

Poster

## **Neural Stochastic PDEs: Resolution-Invariant Learning of Continuous Spatiotemporal Dynamics**

Cristopher Salvi · Maud Lemercier · Andris Gerasimovics

In Poster Session 3

[ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1002

Poster

## **Machine Learning on Graphs: A Model and Comprehensive Taxonomy**

Ines Chami · Sami Abu-El-Haija · Bryan Perozzi · Christopher Ré · Kevin Murphy

In Poster Session 3

[ Paper PDF ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #101

Poster

## **Cost-Sensitive Self-Training for Optimizing Non-Decomposable Metrics**

Harsh Rangwani · shrinivas ramasubramanian · Sho Takemori · Kato Takashi · Yuhei Umeda · Venkatesh Babu In Poster Session 3  
R

[ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #103

Poster

## **Discovering and Overcoming Limitations of Noise-engineered Data-free Knowledge Distillation**

Piyush Vinod Raikwar · Deepak Mishra

In Poster Session 3

[ Slides ] [ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #105

Poster

## **Exploration via Elliptical Episodic Bonuses**

Mikael Henaff · Roberta Raileanu · Minqi Jiang · Tim Rocktäschel

In Poster Session 3

[ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #107

Poster

## **Uni[MASK]: Unified Inference in Sequential Decision Problems**

Micah Carroll · Orr Paradise · Jessy Lin · Raluca Georgescu · Mingfei Sun · David Bignell · Stephanie Milani · In Poster Session 3  
Katja Hofmann · Matthew Hausknecht · Anca Dragan · Sam Devlin

[ Poster ] [ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #108

Poster

## **Learning to Navigate Wikipedia by Taking Random Walks**

In Poster Session 3

Manzil Zaheer · Kenneth Marino · Will Grathwohl · John Schultz · Wendy Shang · Sheila Babayan · Arun Ahuja · Ishita Dasgupta · Christine Kaeser-Chen · Rob Fergus

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #109

Poster

### **Reinforcement Learning with Neural Radiance Fields**

Danny Driess · Ingmar Schubert · Pete Florence · Yunzhu Li · Marc Toussaint

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #110

Poster

### **Few-Shot Audio-Visual Learning of Environment Acoustics**

Sagnik Majumder · Changan Chen · Ziad Al-Halah · Kristen Grauman

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #111

Poster

### **You Can't Count on Luck: Why Decision Transformers and RvS Fail in Stochastic Environments**

Keiran Paster · Sheila McIlraith · Jimmy Ba

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #112

Poster

### **Decision-Focused Learning without Decision-Making: Learning Locally Optimized Decision Losses**

Sanket Shah · Kai Wang · Bryan Wilder · Andrew Perrault · Milind Tambe

In Poster Session 3

[ Slides ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #113

Poster

### **Understanding and Improving Robustness of Vision Transformers through Patch-based Negative Augmentation**

Yao Qin · Chiyuan Zhang · Ting Chen · Balaji Lakshminarayanan · Alex Beutel · Xuezhi Wang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #114

Poster

### **Missing Data Imputation and Acquisition with Deep Hierarchical Models and Hamiltonian Monte Carlo**

Ignacio Peis · Chao Ma · José Miguel Hernández-Lobato

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #115

Poster

### **Local Latent Space Bayesian Optimization over Structured Inputs**

Natalie Maus · Haydn Jones · Juston Moore · Matt Kusner · John Bradshaw · Jacob Gardner

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #116

Poster

### **Bayesian Clustering of Neural Spiking Activity Using a Mixture of Dynamic Poisson Factor Analyzers**

Ganchao Wei · Ian H Stevenson · Xiaojing Wang

In Poster Session 3

[ Slides ] [ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #117

Poster

## **Spherical Channels for Modeling Atomic Interactions**

Larry Zitnick · Abhishek Das · Adeesh Kolluru · Janice Lan · Muhammed Shuaibi · Anuroop Sriram · Zachary Ulissi · Brandon Wood

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #118

Poster

## **Understanding the Evolution of Linear Regions in Deep Reinforcement Learning**

Setareh Cohan · Nam Hee Kim · David Rolnick · Michiel van de Panne

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #119

Poster

## **A General Framework for Auditing Differentially Private Machine Learning**

Fred Lu · Joseph Munoz · Maya Fuchs · Tyler LeBlond · Elliott Zaresky-Williams · Edward Raff · Francis Ferraro · In Poster Session 3  
Brian Testa

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #120

Poster

## **CHIMLE: Conditional Hierarchical IMLE**

Shichong Peng · Seyed Alireza Moazenipourasil · Ke Li

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #121

Poster

## **On the Effectiveness of Lipschitz-Driven Rehearsal in Continual Learning**

Lorenzo Bonicelli · Matteo Boschini · Angelo Porrello · Concetto Spampinato · SIMONE CALDERARA

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #122

Poster

## **Efficient Non-Parametric Optimizer Search for Diverse Tasks**

Ruochen Wang · Yuanhao Xiong · Minhao Cheng · Cho-Jui Hsieh

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #123

Poster

## **Transform Once: Efficient Operator Learning in Frequency Domain**

Michael Poli · Stefano Massaroli · Federico Berto · Jinkyoo Park · Tri Dao · Christopher Ré · Stefano Ermon

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #124

Poster

## **Sparse Interaction Additive Networks via Feature Interaction Detection and Sparse Selection**

James Enouen · Yan Liu

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #125

Poster

## **Meta-Learning Dynamics Forecasting Using Task Inference**

Rui Wang · Robin Walters · Rose Yu

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #126

Poster

## **Implicit Neural Representations with Levels-of-Experts**

Zekun Hao · Arun Mallya · Serge Belongie · Ming-Yu Liu

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #127

Poster

## **Towards Theoretically Inspired Neural Initialization Optimization**

Yibo Yang · Hong Wang · Haobo Yuan · Zhouchen Lin

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #128

Poster

## **Improving GANs with A Dynamic Discriminator**

Ceyuan Yang · Yujun Shen · Yinghao Xu · Deli Zhao · Bo Dai · Bolei Zhou

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #129

Poster

## **Towards Learning Universal Hyperparameter Optimizers with Transformers**

Yutian Chen · Xingyou Song · Chansoo Lee · Zi Wang · Richard Zhang · David Dohan · Kazuya Kawakami · Greg Kochanski · Arnaud Doucet · Marc'Aurelio Ranzato · Sagi Perel · Nando de Freitas

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #130

Poster

## **Graph Self-supervised Learning with Accurate Discrepancy Learning**

Dongki Kim · Jinheon Baek · Sung Ju Hwang

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #131

Poster

## **A2: Efficient Automated Attacker for Boosting Adversarial Training**

Zhuoer Xu · Guanghui Zhu · Changhua Meng · shiwen cui · Zhenzhe Ying · Weiqiang Wang · Ming GU · Yihua Huang

In Poster Session 3

[ Slides ] [ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #133

Poster

## **Boosting Out-of-distribution Detection with Typical Features**

Yao Zhu · YueFeng Chen · Chuanlong Xie · Xiaodan Li · Rong Zhang · Hui Xue' · Xiang Tian · bolun zheng · Yaowu Chen

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #134

Poster

## **Unified Optimal Transport Framework for Universal Domain Adaptation**

Wanxing Chang · Ye Shi · Hoang Tuan · Jingya Wang

In Poster Session 3

[ Slides ] [ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #135

Poster

## **Geometric Order Learning for Rank Estimation**

Seon-Ho Lee · Nyeong Ho Shin · Chang-Su Kim

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #136

Poster

## **MACK: Multimodal Aligned Conceptual Knowledge for Unpaired Image-text Matching**

Yan Huang · Yuming Wang · Yunan Zeng · Liang Wang

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #137

Poster

## **Bridging the Gap between Object and Image-level Representations for Open-Vocabulary Detection**

[\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #138

Poster

**Meta-Learning with Self-Improving Momentum Target**

Jihoon Tack · Jongjin Park · Hankook Lee · Jaeho Lee · Jinwoo Shin

In Poster Session 3

[\[ Slides \]](#) [\[ Poster \]](#) [\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #139

Poster

**GBA: A Tuning-free Approach to Switch between Synchronous and Asynchronous Training for Recommendation Models**

Wenbo Su · Yuanxing Zhang · Yufeng Cai · Kaixu Ren · Pengjie Wang · Huimin Yi · Yue Song · Jing Chen · Hongbo Deng · Jian Xu · Lin Qu · Bo Zheng

In Poster Session 3

[\[ Poster \]](#) [\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #140

Poster

**CryptoGCN: Fast and Scalable Homomorphically Encrypted Graph Convolutional Network Inference**

Ran Ran · Wei Wang · Quan Gang · Jieming Yin · Nuo Xu · Wujie Wen

In Poster Session 3

[\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #141

Poster

**Semi-supervised Vision Transformers at Scale**

Zhaowei Cai · Avinash Ravichandran · Paolo Favaro · Manchen Wang · Davide Modolo · Rahul Bhotika · Zhuowen Tu · Stefano Soatto

In Poster Session 3

[\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #142

Poster

**AdaptFormer: Adapting Vision Transformers for Scalable Visual Recognition**

Shoufa Chen · Chongjian GE · Zhan Tong · Jiangliu Wang · Yibing Song · Jue Wang · Ping Luo

In Poster Session 3

[\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #242

Poster

**Fine-Tuning Pre-Trained Language Models Effectively by Optimizing Subnetworks****Adaptively**

Haojie Zhang · Ge Li · Jia Li · Zhongjin Zhang · YUQI ZHU · Zhi Jin

In Poster Session 3

[\[ Poster \]](#) [\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #241

Poster

**Self-Supervised Visual Representation Learning with Semantic Grouping**

Xin Wen · Bingchen Zhao · Anlin Zheng · Xiangyu Zhang · Xiaojuan Qi

In Poster Session 3

[\[ Poster \]](#) [\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #240

Poster

**Geometry-aware Two-scale PIFu Representation for Human Reconstruction**

Zheng Dong · Ke Xu · Ziheng Duan · Hujun Bao · Weiwei Xu · Rynson Lau

In Poster Session 3

[\[ Slides \]](#) [\[ Poster \]](#) [\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #239

Poster

**360-MLC: Multi-view Layout Consistency for Self-training and Hyper-parameter Tuning**

Bolivar Solarte · Chin-Hsuan Wu · Yueh-Cheng Liu · Yi-Hsuan Tsai · Min Sun

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #238

Poster

### **FeLMi : Few shot Learning with hard Mixup**

Aniket Roy · Anshul Shah · Ketul Shah · Prithviraj Dhar · Anoop Cherian · Rama Chellappa

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #237

Poster

### **Contextual Squeeze-and-Excitation for Efficient Few-Shot Image Classification**

Massimiliano Patacchiola · John Bronskill · Aliaksandra Shysheya · Katja Hofmann · Sebastian Nowozin · Richard Turner

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #236

Poster

### **Descent Steps of a Relation-Aware Energy Product Heterogeneous Graph Neural Networks**

Hongjoon Ahn · Yongyi Yang · Quan Gan · Taesup Moon · David P Wipf

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #235

Poster

### **One-shot Neural Backdoor Erasing via Adversarial Weight Masking**

Shuwen Chai · Jinghui Chen

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #234

Poster

### **BILCO: An Efficient Algorithm for Joint Alignment of Time Series**

Xuelong Mi · Mengfan Wang · Alex Chen · Jing-Xuan Lim · Yizhi Wang · Misha B Ahrens · Guoqiang Yu

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #233

Poster

### **LOT: Layer-wise Orthogonal Training on Improving $\ell_2$ Certified Robustness**

Xiaojun Xu · Linyi Li · Bo Li

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #232

Poster

### **Momentum Adversarial Distillation: Handling Large Distribution Shifts in Data-Free Knowledge Distillation**

Kien Do · Thai Hung Le · Dung Nguyen · Dang Nguyen · HARIPRIYA HARIKUMAR · Truyen Tran · Santu Rana · In Poster Session 3  
Svetha Venkatesh

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #231

Poster

### **AutoMTL: A Programming Framework for Automating Efficient Multi-Task Learning**

Lijun Zhang · Xiao Liu · Hui Guan

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #230

Poster

### **Learning to Discover and Detect Objects**

Vladimir Fomenko · Ismail Elezi · Deva Ramanan · Laura Leal-Taixé · Aljosa Osep

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #229

Poster

## **Transfer Learning on Heterogeneous Feature Spaces for Treatment Effects Estimation**

Ioana Bica · Mihaela van der Schaar

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #228

Poster

## **Unsupervised Learning of Group Invariant and Equivariant Representations**

Robin Winter · Marco Bertolini · Tuan Le · Frank Noe · Djork-Arné Clevert

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #227

Poster

## **Towards Understanding Grokking: An Effective Theory of Representation Learning**

Ziming Liu · Ouail Kitouni · Niklas S Nolte · Eric Michaud · Max Tegmark · Mike Williams

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #226

Poster

## **DMAP: a Distributed Morphological Attention Policy for learning to locomote with a changing body**

Alberto Silvio Chiappa · Alessandro Marin Vargas · Alexander Mathis

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #225

Poster

## **Decentralized Training of Foundation Models in Heterogeneous Environments**

Binhang Yuan · Yongjun He · Jared Davis · Tianyi Zhang · Tri Dao · Beidi Chen · Percy Liang · Christopher Ré · Ce Zhang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #224

Poster

## **Model-based Lifelong Reinforcement Learning with Bayesian Exploration**

Haotian Fu · Shangqun Yu · Michael Littman · George Konidaris

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #223

Poster

## **Curriculum Reinforcement Learning using Optimal Transport via Gradual Domain Adaptation**

Peide Huang · Mengdi Xu · Jiacheng Zhu · Laixi Shi · Fei Fang · DING ZHAO

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #222

Poster

## **FedSR: A Simple and Effective Domain Generalization Method for Federated Learning**

A. Tuan Nguyen · Philip Torr · Ser Nam Lim

In Poster Session 3

[ Slides ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #221

Poster

## **Sample-Then-Optimize Batch Neural Thompson Sampling**

Zhongxiang Dai · YAO SHU · Bryan Kian Hsiang Low · Patrick Jaillet

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #220

Poster

## **Improving Diffusion Models for Inverse Problems using Manifold Constraints**

Hyungjin Chung · Byeongsu Sim · Dohoon Ryu · Jong Chul Ye

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #219

Poster

**FedAvg with Fine Tuning: Local Updates Lead to Representation Learning**

Liam Collins · Hamed Hassani · Aryan Mokhtari · Sanjay Shakkottai

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #218

Poster

**Optimal Transport-based Identity Matching for Identity-invariant Facial Expression Recognition**

Daeha Kim · Byung Cheol Song

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #217

Poster

**Orthogonal Transformer: An Efficient Vision Transformer Backbone with Token Orthogonalization**

Huabo Huang · Xiaoqiang Zhou · Ran He

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #216

Poster

**Jump Self-attention: Capturing High-order Statistics in Transformers**

Haoyi Zhou · Siyang Xiao · Shanghang Zhang · Jieqi Peng · Shuai Zhang · Jianxin Li

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #215

Poster

**Flamingo: a Visual Language Model for Few-Shot Learning**

Jean-Baptiste Alayrac · Jeff Donahue · Pauline Luc · Antoine Miech · Iain Barr · Yana Hasson · Karel Lenc · In Poster Session 3

Arthur Mensch · Katherine Millican · Malcolm Reynolds · Roman Ring · Eliza Rutherford · Serkan Cabi · Tengda Han · Zhitao Gong ·

Sina Samangooei · Marianne Monteiro · Jacob L Menick · Sebastian Borgeaud · Andy Brock · Aida Nematzadeh · Sahand

Sharifzadeh · Mikołaj Bińkowski · Ricardo Barreira · Oriol Vinyals · Andrew Zisserman · Karen Simonyan

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #214

Poster

**Visual Prompting via Image Inpainting**

Amir Bar · Yossi Ganelsman · Trevor Darrell · Amir Globerson · Alexei Efros

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #213

Poster

**MAtt: A Manifold Attention Network for EEG Decoding**

Yue-Ting Pan · Jing-Lun Chou · Chun-Shu Wei

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #212

Poster

**Distilled Gradient Aggregation: Purify Features for Input Attribution in the Deep Neural Network**

Giyoung Jeon · Haedong Jeong · Jaesik Choi

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #211

Poster

**Visual Concepts Tokenization**

Tao Yang · Yuwang Wang · Yan Lu · Nanning Zheng

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #210

Poster

## ***Bi-directional Weakly Supervised Knowledge Distillation for Whole Slide Image Classification***

Linhao Qu · xiaoyuan luo · Manning Wang · Zhijian Song

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #209

Poster

## ***HierSpeech: Bridging the Gap between Text and Speech by Hierarchical Variational Inference using Self-supervised Representations for Speech Synthesis***

Sang-Hoon Lee · Seung-Bin Kim · Ji-Hyun Lee · Eunwoo Song · Min-Jae Hwang · Seong-Whan Lee

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #208

Poster

## ***Scaling & Shifting Your Features: A New Baseline for Efficient Model Tuning***

Dongze Lian · Daquan Zhou · Jiashi Feng · Xinchao Wang

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #207

Poster

## ***Weighted Mutual Learning with Diversity-Driven Model Compression***

Miao Zhang · Li Wang · David Campos · Wei Huang · Chenjuan Guo · Bin Yang

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #206

Poster

## ***Understanding Benign Overfitting in Gradient-Based Meta Learning***

Lisha Chen · Songtao Lu · Tianyi Chen

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #205

Poster

## ***Friendly Noise against Adversarial Noise: A Powerful Defense against Data Poisoning Attack***

Tian Yu Liu · Yu Yang · Baharan Mirzasoleiman

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #204

Poster

## ***TransTab: Learning Transferable Tabular Transformers Across Tables***

Zifeng Wang · Jimeng Sun

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #203

Poster

## ***Federated Learning from Pre-Trained Models: A Contrastive Learning Approach***

Yue Tan · Guodong Long · Jie Ma · LU LIU · Tianyi Zhou · Jing Jiang

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #202

Poster

## ***Multi-objective Deep Data Generation with Correlated Property Control***

Shiyu Wang · Xiaojie Guo · Xuanyang Lin · Bo Pan · Yuanqi Du · Yinkai Wang · Yanfang Ye · Ashley Petersen · Austin Leitgeb · Saleh Alkhalifa · Kevin Minbile · William M. Wuest · Amarda Shehu · Liang Zhao

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #201

Poster

## **Learning to Sample and Aggregate: Few-shot Reasoning over Temporal Knowledge Graphs**

Ruijie Wang · Zheng Li · Dachun Sun · Shengzhong Liu · Jinning Li · Bing Yin · Tarek Abdelzaher

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #200

Poster

## **The Policy-gradient Placement and Generative Routing Neural Networks for Chip Design**

Ruoyu Cheng · Xianglong Lyu · Yang Li · Junjie Ye · Jianye Hao · Junchi Yan

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #300

Poster

## **Staircase Attention for Recurrent Processing of Sequences**

Da JU · Stephen Roller · Sainbayar Sukhbaatar · Jason E Weston

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #302

Poster

## **On the Stability and Scalability of Node Perturbation Learning**

Naoki Hiratani · Yash Mehta · Timothy Lillicrap · Peter E Latham

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #303

Poster

## **Unpacking Reward Shaping: Understanding the Benefits of Reward Engineering on Sample Complexity**

Abhishek Gupta · Aldo Pacchiano · Yuexiang Zhai · Sham Kakade · Sergey Levine

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #304

Poster

## **Doubly Robust Counterfactual Classification**

Kwangho Kim · Edward Kennedy · Jose Zubizarreta

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #305

Poster

## **PlasticityNet: Learning to Simulate Metal, Sand, and Snow for Optimization Time Integration**

Xuan Li · Yadi Cao · Minchen Li · Yin Yang · Craig Schroeder · Chenfanfu Jiang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #306

Poster

## **Neural Estimation of Submodular Functions with Applications to Differentiable Subset Selection**

Abir De · Soumen Chakrabarti

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #307

Poster

## **Leveraging Factored Action Spaces for Efficient Offline Reinforcement Learning in Healthcare**

Shengpu Tang · Maggie Makar · Michael Sjoding · Finale Doshi-Velez · Jenna Wiens

In Poster Session 3

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #308

Poster

### **Learning to Branch with Tree MDPs**

Lara Scavuzzo · Feng Chen · Didier Chetelat · Maxime Gasse · Andrea Lodi · Neil Yorke-Smith · Karen Aardal In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #309

Poster

### **Generalization Bounds for Stochastic Gradient Descent via Localized $\varepsilon$ -Covers**

Sejun Park · Umut Simsekli · Murat Erdogdu In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #310

Poster

### **Global Linear and Local Superlinear Convergence of IRLS for Non-Smooth Robust Regression**

Liangzu Peng · Christian Kümmerle · Rene Vidal In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #311

Poster

### **A Unifying Framework for Online Optimization with Long-Term Constraints**

Matteo Castiglioni · Andrea Celli · Alberto Marchesi · Giulia Romano · Nicola Gatti In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #312

Poster

### **Beyond IID: data-driven decision-making in heterogeneous environments**

Omar Besbes · Will Ma · Omar Mouchtaki In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #313

Poster

### **Consistent Interpolating Ensembles via the Manifold-Hilbert Kernel**

Yutong Wang · Clay Scott In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #314

Poster

### **Optimal Efficiency-Envy Trade-Off via Optimal Transport**

Steven Yin · Christian Kroer In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #315

Poster

### **On the Statistical Efficiency of Reward-Free Exploration in Non-Linear RL**

Jinglin Chen · Aditya Modi · Akshay Krishnamurthy · Nan Jiang · Alekh Agarwal In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #316

Poster

### **On the Epistemic Limits of Personalized Prediction**

Lucas Monteiro Paes · Carol Long · Berk Ustun · Flavio Calmon In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #317

Poster

### **Optimistic Posterior Sampling for Reinforcement Learning with Few Samples and Tight Guarantees**

Daniil Tiapkin · Denis Belomestny · Daniele Calandriello · Eric Moulines · Remi Munos · Alexey Naumov · Mark Rowland · Michal Valko · Pierre Ménard In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #318

Poster

### ***Multi-Class H-Consistency Bounds***

Pranjal Awasthi · Anqi Mao · Mehryar Mohri · Yutao Zhong

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #319

Poster

### ***Debiased Machine Learning without Sample-Splitting for Stable Estimators***

Qizhao Chen · Vasilis Syrgkanis · Morgane Austern

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #320

Poster

### ***The Sample Complexity of One-Hidden-Layer Neural Networks***

Gal Vardi · Ohad Shamir · Nati Srebro

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #321

Poster

### ***coVariance Neural Networks***

Saurabh Sihag · Gonzalo Mateos · Corey McMillan · Alejandro Ribeiro

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #322

Poster

### ***On the Safety of Interpretable Machine Learning: A Maximum Deviation Approach***

Dennis Wei · Rahul Nair · Amit Dhurandhar · Kush Varshney · Elizabeth Daly · Moninder Singh

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #323

Poster

### ***Learning from Few Samples: Transformation-Invariant SVMs with Composition and Locality at Multiple Scales***

Tao Liu · P. R. Kumar · Ruida Zhou · Xi Liu

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #324

Poster

### ***Adaptive Data Debiasing through Bounded Exploration***

Yifan Yang · Yang Liu · Parinaz Naghizadeh

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #325

Poster

### ***Enhancing Safe Exploration Using Safety State Augmentation***

Aivar Sootla · Alexander Cowen-Rivers · Jun Wang · Haitham Bou Ammar

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #326

Poster

### ***Leveraging the Hints: Adaptive Bidding in Repeated First-Price Auctions***

Wei Zhang · Yanjun Han · Zhengyuan Zhou · Aaron Flores · Tsachy Weissman

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #327

Poster

### ***Off-Policy Evaluation for Action-Dependent Non-stationary Environments***

Yash Chandak · Shiv Shankar · Nathaniel Bastian · Bruno da Silva · Emma Brunskill · Philip Thomas

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #328

Poster

## **Lower Bounds and Nearly Optimal Algorithms in Distributed Learning with Communication Compression**

Xinmeng Huang · Yiming Chen · Wotao Yin · Kun Yuan

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #329

Poster

## **Bounding and Approximating Intersectional Fairness through Marginal Fairness**

Mathieu Molina · Patrick Loiseau

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #330

Poster

## **Brownian Noise Reduction: Maximizing Privacy Subject to Accuracy Constraints**

Justin Whitehouse · Aaditya Ramdas · Steven Wu · Ryan Rogers

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #331

Poster

## **Asynchronous SGD Beats Minibatch SGD Under Arbitrary Delays**

Konstantin Mishchenko · Francis Bach · Mathieu Even · Blake Woodworth

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #332

Poster

## **A Reduction to Binary Approach for Debiasing Multiclass Datasets**

Ibrahim Alabdulmohsin · Jessica Schrouff · Sanmi Koyejo

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #333

Poster

## **Post-hoc estimators for learning to defer to an expert**

Harikrishna Narasimhan · Wittawat Jitkrittum · Aditya Menon · Ankit Rawat · Sanjiv Kumar

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #334

Poster

## **A Closer Look at Learned Optimization: Stability, Robustness, and Inductive Biases**

James Harrison · Luke Metz · Jascha Sohl-Dickstein

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #335

Poster

## **The Power and Limitation of Pretraining-Finetuning for Linear Regression under Covariate Shift**

Jingfeng Wu · Difan Zou · Vladimir Braverman · Quanquan Gu · Sham Kakade

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #336

Poster

## **Policy Gradient With Serial Markov Chain Reasoning**

Edoardo Cetin · Oya Celiktutan

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #337

Poster

## **Beyond neural scaling laws: beating power law scaling via data pruning**

[\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #338

Poster

**Left Heavy Tails and the Effectiveness of the Policy and Value Networks in DNN-based best-first search for Sokoban Planning**

Dieqiao Feng · Carla Gomes · Bart Selman

In Poster Session 3

[\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #339

Poster

**Uncertainty-Aware Reinforcement Learning for Risk-Sensitive Player Evaluation in Sports Game**

Guiliang Liu · Yudong Luo · Oliver Schulte · Pascal Poupart

In Poster Session 3

[\[ Poster \]](#) [\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #340

Poster

**Structure-Aware Image Segmentation with Homotopy Warping**

Xiaoling Hu

In Poster Session 3

[\[ Slides \]](#) [\[ Poster \]](#) [\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #341

Poster

**PhysGNN: A Physics--Driven Graph Neural Network Based Model for Predicting Soft Tissue Deformation in Image--Guided Neurosurgery**

Yasmin Salehi · Dennis Giannacopoulos

In Poster Session 3

[\[ Poster \]](#) [\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #342

Poster

**Generating Long Videos of Dynamic Scenes**Tim Brooks · Janne Hellsten · Miika Aittala · Ting-Chun Wang · Timo Aila · Jaakko Lehtinen · Ming-Yu Liu · Alexei  
Efros · Tero Karras[\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #442

Poster

**Rethinking Individual Global Max in Cooperative Multi-Agent Reinforcement Learning**

Yitian Hong · Yaochu Jin · Yang Tang

In Poster Session 3

[\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #441

Poster

**Towards Reasonable Budget Allocation in Untargeted Graph Structure Attacks via Gradient Debias**

Zihan Liu · Yun Luo · Lirong Wu · Zicheng Liu · Stan Z. Li

In Poster Session 3

[\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #440

Poster

**SInGE: Sparsity via Integrated Gradients Estimation of Neuron Relevance**

Edouard YVINEC · Arnaud Dapogny · Matthieu Cord · Kevin Bailly

In Poster Session 3

[\[ Poster \]](#) [\[ OpenReview \]](#)

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #439

Poster

**Learning to Drop Out: An Adversarial Approach to Training Sequence VAEs**

Djordje Miladinovic · Kumar Shridhar · Kushal Jain · Max Paulus · Joachim M Buhmann · Carl Allen

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #438

Poster

### **Torsional Diffusion for Molecular Conformer Generation**

Bowen Jing · Gabriele Corso · Jeffrey Chang · Regina Barzilay · Tommi Jaakkola

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #437

Poster

### **Personalized Online Federated Learning with Multiple Kernels**

Pouya M. Ghari · Yanning Shen

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #436

Poster

### **Normalizing Flows for Knockoff-free Controlled Feature Selection**

Derek Hansen · Brian Manzo · Jeffrey Regier

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #435

Poster

### **Efficiency Ordering of Stochastic Gradient Descent**

Jie Hu · Vishwaraj Doshi · Do-Young Eun

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #434

Poster

### **Learning Bipartite Graphs: Heavy Tails and Multiple Components**

José Vinícius de Miranda Cardoso · Jiaxi Ying · Daniel Palomar

In Poster Session 3

[ Slides ] [ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #433

Poster

### **Batch Bayesian optimisation via density-ratio estimation with guarantees**

Rafael Oliveira · Louis Tiao · Fabio Ramos

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #432

Poster

### **Discovery of Single Independent Latent Variable**

Uri Shaham · Jonathan Svirsky · Ori Katz · Ronen Talmon

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #431

Poster

### **Self-Similarity Priors: Neural Collages as Differentiable Fractal Representations**

Michael Poli · Winnie Xu · Stefano Massaroli · Chenlin Meng · Kuno Kim · Stefano Ermon

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #430

Poster

### **Graph Coloring via Neural Networks for Haplotype Assembly and Viral Quasispecies Reconstruction**

Hansheng Xue · Vaibhav Rajan · Yu Lin

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #429

Poster

### **Better Uncertainty Calibration via Proper Scores for Classification and Beyond**

Sebastian Gruber · Florian Buettner

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #428

Poster

### ***Invariance Learning in Deep Neural Networks with Differentiable Laplace Approximations***

Alexander Immer · Tycho van der Ouderaa · Gunnar Rätsch · Vincent Fortuin · Mark van der Wilk

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #427

Poster

### ***Rotation-Equivariant Conditional Spherical Neural Fields for Learning a Natural Illumination Prior***

James Gardner · Bernhard Egger · William Smith

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #426

Poster

### ***Understanding Programmatic Weak Supervision via Source-aware Influence Function***

Jieyu Zhang · Haonan Wang · Cheng-Yu Hsieh · Alexander Ratner

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #425

Poster

### ***CoPur: Certifiably Robust Collaborative Inference via Feature Purification***

Jing Liu · Chulin Xie · Sanmi Koyejo · Bo Li

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #424

Poster

### ***TA-GATES: An Encoding Scheme for Neural Network Architectures***

Xuefei Ning · Zixuan Zhou · Junbo Zhao · Tianchen Zhao · Yiping Deng · Changcheng Tang · Shuang Liang · Huazhong Yang · Yu Wang

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #423

Poster

### ***MaskPlace: Fast Chip Placement via Reinforced Visual Representation Learning***

Yao Lai · Yao Mu · Ping Luo

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #422

Poster

### ***BiMLP: Compact Binary Architectures for Vision Multi-Layer Perceptrons***

Yixing Xu · Xinghao Chen · Yunhe Wang

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #421

Poster

### ***ORIENT: Submodular Mutual Information Measures for Data Subset Selection under Distribution Shift***

Athresh Karanam · Krishnateja Killamsetty · Harsha Kokel · Rishabh Iyer

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #420

Poster

### ***Learning to Reconstruct Missing Data from Spatiotemporal Graphs with Sparse Observations***

Ivan Marisca · Andrea Cini · Cesare Alippi

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #419

Poster

## **Decomposed Knowledge Distillation for Class-Incremental Semantic Segmentation**

Donghyeon Baek · Youngmin Oh · Sanghoon Lee · Junghyup Lee · Bumsuk Ham

In Poster Session 3

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #418

Poster

## **Rethinking Value Function Learning for Generalization in Reinforcement Learning**

Seungyong Moon · JunYeong Lee · Hyun Oh Song

In Poster Session 3

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #417

Poster

## **Weighted Distillation with Unlabeled Examples**

Fotis Iliopoulos · Vasilis Kontonis · Cenk Baykal · Gaurav Menghani · Khoa Trinh · Erik Vee

In Poster Session 3

[ [🔗 OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #416

Poster

## **A Theoretical View on Sparsely Activated Networks**

Cenk Baykal · Nishanth Dikkala · Rina Panigrahy · Cyrus Rashtchian · Xin Wang

In Poster Session 3

[ [🔗 OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #415

Poster

## **Deep Learning Methods for Proximal Inference via Maximum Moment Restriction**

Benjamin Kompa · David Bellamy · Tom Kolokotrones · James M Robins · Andrew Beam

In Poster Session 3

[ [🔗 OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #414

Poster

## **Stability and Generalization Analysis of Gradient Methods for Shallow Neural Networks**

Yunwen Lei · Rong Jin · Yiming Ying

In Poster Session 3

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Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #413

Poster

## **A Quantitative Geometric Approach to Neural-Network Smoothness**

Zi Wang · Gautam Prakriya · Somesh Jha

In Poster Session 3

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #412

Poster

## **Large-Scale Differentiable Causal Discovery of Factor Graphs**

Romain Lopez · Jan-Christian Huetter · Jonathan Pritchard · Aviv Regev

In Poster Session 3

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Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #411

Poster

## **Off-Team Learning**

Brandon Cui · Hengyuan Hu · Andrei Lupu · Samuel Sokota · Jakob Foerster

In Poster Session 3

[ [🔗 OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #410

Poster

## **Neural Basis Models for Interpretability**

Filip Radenovic · Abhimanyu Dubey · Dhruv Mahajan

In Poster Session 3

[ [🔗 OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #409

Poster

## Semantic Exploration from Language Abstractions and Pretrained Representations

Allison Tam · Neil Rabinowitz · Andrew Lampinen · Nicholas Roy · Stephanie Chan · DJ Strouse · Jane Wang · In Poster Session 3  
Andrea Banino · Felix Hill

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #408

Poster

## Deconfounded Representation Similarity for Comparison of Neural Networks

Tianyu Cui · Yogesh Kumar · Pekka Marttinen · Samuel Kaski

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #407

Poster

## If Influence Functions are the Answer, Then What is the Question?

Juhan Bae · Nathan Ng · Alston Lo · Marzyeh Ghassemi · Roger Grosse

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #406

Poster

## Early Stage Convergence and Global Convergence of Training Mildly Parameterized Neural Networks

Mingze Wang · Chao Ma

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #405

Poster

## Iterative Feature Matching: Toward Provable Domain Generalization with Logarithmic Environments

Yining Chen · Elan Rosenfeld · Mark Sellke · Tengyu Ma · Andrej Risteski

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #404

Poster

## Chaotic Regularization and Heavy-Tailed Limits for Deterministic Gradient Descent

Soon Hoe Lim · Yijun Wan · Umut Simsekli

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #403

Poster

## Challenging Common Assumptions in Convex Reinforcement Learning

Mirco Mutti · Riccardo De Santi · Piersilvio De Bartolomeis · Marcello Restelli

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #402

Poster

## Max-Min Off-Policy Actor-Critic Method Focusing on Worst-Case Robustness to Model Misspecification

Takumi Tanabe · Rei Sato · Kazuto Fukuchi · Jun Sakuma · Youhei Akimoto

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #502

Poster

## Contrastive Neural Ratio Estimation

Benjamin K Miller · Christoph Weniger · Patrick Forré

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #503

Poster

## Symmetry Teleportation for Accelerated Optimization

Bo Zhao · Nima Dehmamy · Robin Walters · Rose Yu

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #504

Poster

### **VectorAdam for Rotation Equivariant Geometry Optimization**

Selena Zihan Ling · Nicholas Sharp · Alec Jacobson

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #505

Poster

### **Constrained Predictive Coding as a Biologically Plausible Model of the Cortical Hierarchy**

Siavash Golkar · Tiberiu Tesileanu · Yanis Bahroun · Anirvan Sengupta · Dmitri Chklovskii

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #506

Poster

### **Fault-Aware Neural Code Rankers**

Jeevana Priya Inala · Chenglong Wang · Mei Yang · Andres Codas · Mark Encarnación · Shuvendu Lahiri · Madanlal Musuvathi · Jianfeng Gao

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #507

Poster

### **End-to-end Symbolic Regression with Transformers**

Pierre-alexandre Kamienny · Stéphane d'Ascoli · Guillaume Lample · Francois Charton

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #508

Poster

### **Masked Prediction: A Parameter Identifiability View**

Bingbin Liu · Daniel Hsu · Pradeep Ravikumar · Andrej Risteski

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #509

Poster

### **Moment Distributionally Robust Tree Structured Prediction**

Yeshu Li · Danyal Saeed · Xinhua Zhang · Brian Ziebart · Kevin Gimpel

In Poster Session 3

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #510

Poster

### **Inference and Sampling for Archimax Copulas**

Yuting Ng · Ali Hasan · Vahid Tarokh

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #511

Poster

### **Operative dimensions in unconstrained connectivity of recurrent neural networks**

Renate Krause · Matthew Cook · Sepp Kollmorgen · Valerio Mante · Giacomo Indiveri

In Poster Session 3

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #512

Poster

### **Sleeper Agent: Scalable Hidden Trigger Backdoors for Neural Networks Trained from Scratch**

Hossein Souri · Liam Fowl · Rama Chellappa · Micah Goldblum · Tom Goldstein

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #513

Poster

### **Chain of Thought Prompting Elicits Reasoning in Large Language Models**

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #514

Poster

### **Flexible Diffusion Modeling of Long Videos**

William Harvey · Saeid Naderiparizi · Vaden Masrani · Christian Weilbach · Frank Wood

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #515

Poster

### **Free Probability for predicting the performance of feed-forward fully connected neural networks**

Reda CHHAIBI · Tariq Daouda · Ezechiel Kahn

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #516

Poster

### **Gold-standard solutions to the Schrödinger equation using deep learning: How much physics do we need?**

Leon Gerard · Michael Scherbela · Philipp Marquetand · Philipp Grohs

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #517

Poster

### **Manifold Interpolating Optimal-Transport Flows for Trajectory Inference**

Guillaume Huguet · Daniel Sumner Magruder · Alexander Tong · Oluwadamilola Fasina · Manik Kuchroo · Guy Wolf · Smita Krishnaswamy

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #518

Poster

### **Reinforcement Learning with a Terminator**

Guy Tennenholtz · Nadav Merlis · Lior Shani · Shie Mannor · Uri Shalit · Gal Chechik · Assaf Hallak · Gal Dalal

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #519

Poster

### **DigGAN: Discriminator gradient Gap Regularization for GAN Training with Limited Data**

Tiantian Fang · Ruoyu Sun · Alex Schwing

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #520

Poster

### **Multi-Agent Reinforcement Learning is a Sequence Modeling Problem**

Muning Wen · Jakub Kuba · Runji Lin · Weinan Zhang · Ying Wen · Jun Wang · Yaodong Yang

In Poster Session 3

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #521

Poster

### **Curious Exploration via Structured World Models Yields Zero-Shot Object Manipulation**

Cansu Sancaktar · Sebastian Blaes · Georg Martius

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #522

Poster

### **VoxGRAF: Fast 3D-Aware Image Synthesis with Sparse Voxel Grids**

Katja Schwarz · Axel Sauer · Michael Niemeyer · Yiyi Liao · Andreas Geiger

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #523

Poster

## **Symmetry-induced Disentanglement on Graphs**

Giangiacomo Mercatali · Andre Freitas · Vikas Garg

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #524

Poster

## **An efficient graph generative model for navigating ultra-large combinatorial synthesis libraries**

Aryan Pedawi · Paweł Gniewek · Chaoyi Chang · Brandon Anderson · Henry van den Bedem

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #525

Poster

## **STaR: Bootstrapping Reasoning With Reasoning**

Eric Zelikman · Yuhuai Wu · Jesse Mu · Noah Goodman

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #526

Poster

## **Learning Physics Constrained Dynamics Using Autoencoders**

Tsung-Yen Yang · Justinian Rosca · Karthik Narasimhan · Peter J Ramadge

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #527

Poster

## **LAMP: Extracting Text from Gradients with Language Model Priors**

Mislav Balunovic · Dimitar Dimitrov · Nikola Jovanović · Martin Vechev

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #528

Poster

## **Imbalance Trouble: Revisiting Neural-Collapse Geometry**

Christos Thrampoulidis · Ganesh Ramachandra Kini · Vala Vakilian · Tina Behnia

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #529

Poster

## **ComENet: Towards Complete and Efficient Message Passing for 3D Molecular Graphs**

Limei Wang · Yi Liu · Yuchao Lin · Haoran Liu · Shuiwang Ji

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #530

Poster

## **Improved Imaging by Invex Regularizers with Global Optima Guarantees**

Samuel Pinilla · Tingting Mu · Neil Bourne · Jeyan Thiagaralingam

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #531

Poster

## **Trade-off between Payoff and Model Rewards in Shapley-Fair Collaborative Machine Learning**

Quoc Phong Nguyen · Bryan Kian Hsiang Low · Patrick Jaillet

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #532

Poster

## **Follow-the-Perturbed-Leader for Adversarial Markov Decision Processes with Bandit Feedback**

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #533

Poster

**Learning from Distributed Users in Contextual Linear Bandits Without Sharing the Context**

Osama Hanna · Lin Yang · Christina Fragouli

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #534

Poster

**Consistency of Constrained Spectral Clustering under Graph Induced Fair Planted Partitions**

Shubham Gupta · Ambedkar Dukkipati

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #535

Poster

**Adversarial Reprogramming Revisited**

Matthias Englert · Ranko Lazic

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #536

Poster

**AutoML Two-Sample Test**

Jonas M. Kübler · Vincent Stimper · Simon Buchholz · Krikamol Muandet · Bernhard Schölkopf

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #537

Poster

**A Communication-efficient Algorithm with Linear Convergence for Federated Minimax Learning**

Zhenyu Sun · Ermin Wei

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #538

Poster

**Randomized Sketches for Clustering: Fast and Optimal Kernel  $k$ -Means**

Rong Yin · Yong Liu · Weiping Wang · Dan Meng

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #539

Poster

**On-Demand Sampling: Learning Optimally from Multiple Distributions**

Nika Haghtalab · Michael Jordan · Eric Zhao

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #540

Poster

**Constrained Langevin Algorithms with  $L$ -mixing External Random Variables**

Yuping Zheng · Andrew Lamperski

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #541

Poster

**Gradient-Free Methods for Deterministic and Stochastic Nonsmooth Nonconvex Optimization**

Tianyi Lin · Zeyu Zheng · Michael Jordan

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #542

Poster

### **Fair Wrapping for Black-box Predictions**

Alexander Soen · Ibrahim Alabdulmohsin · Sanmi Koyejo · Yishay Mansour · Nyalleng Moorosi · Richard Nock · In Poster Session 3  
Ke Sun · Lexing Xie

[ [Poster](#) ] [  [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #642

Poster

### **Do Residual Neural Networks discretize Neural Ordinary Differential Equations?**

Michael Sander · Pierre Ablin · Gabriel Peyré  
In Poster Session 3

[  [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #641

Poster

### **Recipe for a General, Powerful, Scalable Graph Transformer**

Ladislav Rampášek · Mikhail Galkin · Vijay Prakash Dwivedi · Anh Tuan Luu · Guy Wolf · Dominique Beaini  
In Poster Session 3

[ [Poster](#) ] [  [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #640

Poster

### **Confident Adaptive Language Modeling**

Tal Schuster · Adam Fisch · Jai Gupta · Mostafa Dehghani · Dara Bahri · Vinh Tran · Yi Tay · Donald Metzler  
In Poster Session 3

[ [Poster](#) ] [  [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #639

Poster

### **Are AlphaZero-like Agents Robust to Adversarial Perturbations?**

Li-Cheng Lan · Huan Zhang · Ti-Rong Wu · Meng-Yu Tsai · I-Chen Wu · Cho-Jui Hsieh  
In Poster Session 3

[  [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #638

Poster

### **Non-rigid Point Cloud Registration with Neural Deformation Pyramid**

YANG LI · Tatsuya Harada  
In Poster Session 3

[  [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #637

Poster

### **Peripheral Vision Transformer**

Juhong Min · Yucheng Zhao · Chong Luo · Minsu Cho  
In Poster Session 3

[ [Poster](#) ] [  [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #636

Poster

### **Mind Reader: Reconstructing complex images from brain activities**

Sikun Lin · Thomas Sprague · Ambuj K Singh  
In Poster Session 3

[  [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #635

Poster

### **RTFormer: Efficient Design for Real-Time Semantic Segmentation with Transformer**

Jian Wang · Chenhui Gou · Qiman Wu · Haocheng Feng · Junyu Han · Errui Ding · Jingdong Wang  
In Poster Session 3

[ [Poster](#) ] [  [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #634

Poster

### **Few-shot Relational Reasoning via Connection Subgraph Pretraining**

Qian Huang · Hongyu Ren · Jure Leskovec  
In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #633

Poster

### **ASPiRe: Adaptive Skill Priors for Reinforcement Learning**

Mengda Xu · Manuela Veloso · Shuran Song

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #632

Poster

### **Point Transformer V2: Grouped Vector Attention and Partition-based Pooling**

Xiaoyang Wu · Yixing Lao · Li Jiang · Xihui Liu · Hengshuang Zhao

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #631

Poster

### **M<sup>3</sup>ViT: Mixture-of-Experts Vision Transformer for Efficient Multi-task Learning with Model-Accelerator Co-design**

hanxue liang · Zhiwen Fan · Rishov Sarkar · Ziyu Jiang · Tianlong Chen · Kai Zou · Yu Cheng · Cong Hao · Zhangyang Wang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #630

Poster

### **Deep Compression of Pre-trained Transformer Models**

Naigang Wang · Chi-Chun (Charlie) Liu · Swagath Venkataramani · Sanchari Sen · Chia-Yu Chen · Kaoutar El Maghraoui · Vijayalakshmi (Viji) Srinivasan · Leland Chang

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #629

Poster

### **A Variational Edge Partition Model for Supervised Graph Representation Learning**

Yilin He · Chaojie Wang · Hao Zhang · Bo Chen · Mingyuan Zhou

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #628

Poster

### **MCMAE: Masked Convolution Meets Masked Autoencoders**

Peng Gao · Teli Ma · Hongsheng Li · Ziyi Lin · Jifeng Dai · Yu Qiao

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #627

Poster

### **Neural-Symbolic Entangled Framework for Complex Query Answering**

Zezhong Xu · Wen Zhang · Peng Ye · Hui Chen · Huajun Chen

In Poster Session 3

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #626

Poster

### **SwinTrack: A Simple and Strong Baseline for Transformer Tracking**

Liting Lin · Heng Fan · Zhipeng Zhang · Yong Xu · Haibin Ling

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #625

Poster

### **OnePose++: Keypoint-Free One-Shot Object Pose Estimation without CAD Models**

Xingyi He · Jiaming Sun · Yuang Wang · Di Huang · Hujun Bao · Xiaowei Zhou

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #624

Poster

## Learning Neural Acoustic Fields

Andrew Luo · Yilun Du · Michael Tarr · Josh Tenenbaum · Antonio Torralba · Chuang Gan

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #623

Poster

## Subgroup Robustness Grows On Trees: An Empirical Baseline Investigation

Josh Gardner · Zoran Popovic · Ludwig Schmidt

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #622

Poster

## Interpolation and Regularization for Causal Learning

Leena Chennuru Vankadara · Luca Rendsburg · Ulrike Luxburg · Debarghya Ghoshdastidar

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #621

Poster

## Blackbox Attacks via Surrogate Ensemble Search

Zikui Cai · Chengyu Song · Srikanth Krishnamurthy · Amit Roy-Chowdhury · Salman Asif

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #620

Poster

## Green Hierarchical Vision Transformer for Masked Image Modeling

Lang Huang · Shan You · Mingkai Zheng · Fei Wang · Chen Qian · Toshihiko Yamasaki

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #619

Poster

## A Practical, Progressively-Expressive GNN

Lingxiao Zhao · Neil Shah · Leman Akoglu

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #618

Poster

## Improving Neural Ordinary Differential Equations with Nesterov's Accelerated Gradient Method

Ho Huu Nghia Nguyen · Tan Nguyen · Huyen Vo · Stanley Osher · Thieu Vo

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #617

Poster

## Risk Bounds of Multi-Pass SGD for Least Squares in the Interpolation Regime

Difan Zou · Jingfeng Wu · Vladimir Braverman · Quanquan Gu · Sham Kakade

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #616

Poster

## Between Stochastic and Adversarial Online Convex Optimization: Improved Regret Bounds via Smoothness

Sarah Sachs · Hedi Hadiji · Tim van Erven · Cristóbal Guzmán

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #615

Poster

## DeepTOP: Deep Threshold-Optimal Policy for MDPs and RMABs

Khaled Nakhleh · I-Hong Hou

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #614 Poster

## **Learning Symmetric Rules with SATNet**

SANGHO LIM · Eun-Gyeol Oh · Hongseok Yang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #613 Poster

## **Evaluation beyond Task Performance: Analyzing Concepts in AlphaZero in Hex**

Charles Lovering · Jessica Forde · George Konidaris · Ellie Pavlick · Michael Littman

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #612 Poster

## **Distributionally Adaptive Meta Reinforcement Learning**

Anurag Ajay · Abhishek Gupta · Dibya Ghosh · Sergey Levine · Pulkit Agrawal

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #611 Poster

## **HyperTree Proof Search for Neural Theorem Proving**

Guillaume Lample · Timothee Lacroix · Marie-Anne Lachaux · Aurelien Rodriguez · Amaury Hayat · Thibaut LavrillIn Poster Session 3  
· Gabriel Ebner · Xavier Martinet

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #610 Poster

## **You Only Live Once: Single-Life Reinforcement Learning**

Annie Chen · Archit Sharma · Sergey Levine · Chelsea Finn

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #609 Poster

## **CroCo: Self-Supervised Pre-training for 3D Vision Tasks by Cross-View Completion**

Philippe Weinzaepfel · Vincent Leroy · Thomas Lucas · Romain BRÉGIER · Yohann Cabon · Vaibhav ARORA · In Poster Session 3  
Leonid Antsfeld · Boris Chidlovskii · Gabriela Csurka · Jerome Revaud

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #608 Poster

## **Are all Frames Equal? Active Sparse Labeling for Video Action Detection**

Aayush Rana · Yogesh Rawat

In Poster Session 3

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #607 Poster

## **The Impact of Task Underspecification in Evaluating Deep Reinforcement Learning**

Vindula Jayawardana · Catherine Tang · Sirui Li · Daqiang Suo · Cathy Wu

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #606 Poster

## **Diffusion-LM Improves Controllable Text Generation**

Xiang Li · John Thickstun · Ishaan Gulrajani · Percy Liang · Tatsunori Hashimoto

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #605 Poster

## **Variable-rate hierarchical CPC leads to acoustic unit discovery in speech**

Santiago Cuervo · Adrian Lancucki · Ricard Marxer · Paweł Rychlikowski · Jan Chorowski

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #604

Poster

## **Low-rank lottery tickets: finding efficient low-rank neural networks via matrix differential equations**

Steffen Schotthöfer · Emanuele Zangrando · Jonas Kusch · Gianluca Ceruti · Francesco Tudisco

In Poster Session 3

[ Slides ] [ Poster ] [ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #603

Poster

## **Stochastic Adaptive Activation Function**

Kyungsu Lee · Jaeseung Yang · Haeyun Lee · Jae Youn Hwang

In Poster Session 3

[ Poster ] [ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #602

Poster

## **Benefits of Permutation-Equivariance in Auction Mechanisms**

Tian Qin · Fengxiang He · Dingfeng Shi · Wenbing Huang · Dacheng Tao

In Poster Session 3

[ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #701

Poster

## **Random Sharpness-Aware Minimization**

Yong Liu · Siqi Mai · Minhao Cheng · Xiangning Chen · Cho-Jui Hsieh · Yang You

In Poster Session 3

[ Poster ] [ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #702

Poster

## **On-Device Training Under 256KB Memory**

Ji Lin · Ligeng Zhu · Wei-Ming Chen · Wei-Chen Wang · Chuang Gan · Song Han

In Poster Session 3

[ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #703

Poster

## **Factorized-FL: Personalized Federated Learning with Parameter Factorization & Similarity Matching**

Wonyong Jeong · Sung Ju Hwang

In Poster Session 3

[ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #704

Poster

## **A Closer Look at Prototype Classifier for Few-shot Image Classification**

Mingcheng Hou · Issei Sato

In Poster Session 3

[ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #705

Poster

## **On the Strong Correlation Between Model Invariance and Generalization**

Weijian Deng · Stephen Gould · Liang Zheng

In Poster Session 3

[ Slides ] [ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #706

Poster

## **“Why Not Other Classes?”: Towards Class-Contrastive Back-Propagation Explanations**

Yipei Wang · Xiaoqian Wang

In Poster Session 3

[ ⚡ OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #707

Poster

## **Parameter-Efficient Masking Networks**

Yue Bai · Huan Wang · Xu Ma · Yitian Zhang · Zhiqiang Tao · Yun Fu

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #708

Poster

### **Make Some Noise: Reliable and Efficient Single-Step Adversarial Training**

Pau de Jorge Aranda · Adel Bibi · Riccardo Volpi · Amartya Sanyal · Philip Torr · Gregory Rogez · Puneet Dokania

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #709

Poster

### **ZooD: Exploiting Model Zoo for Out-of-Distribution Generalization**

Qishi Dong · Awais Muhammad · Fengwei Zhou · Chuanlong Xie · Tianyang Hu · Yongxin Yang · Sung-Ho Bae · In Poster Session 3  
Zhenguo Li

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #710

Poster

### **One Positive Label is Sufficient: Single-Positive Multi-Label Learning with Label Enhancement**

Ning Xu · Congyu Qiao · Jiaqi Lv · Xin Geng · Min-Ling Zhang

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #711

Poster

### **Why So Pessimistic? Estimating Uncertainties for Offline RL through Ensembles, and Why Their Independence Matters**

Seyed Kamyar Seyed Ghasemipour · Shixiang (Shane) Gu · Ofir Nachum

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #712

Poster

### **Identifiability of deep generative models without auxiliary information**

Bohdan Kivva · Goutham Rajendran · Pradeep Ravikumar · Bryon Aragam

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #713

Poster

### **Beyond spectral gap: the role of the topology in decentralized learning**

Thijs Vogels · Hadrien Hendrikx · Martin Jaggi

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #714

Poster

### **Change-point Detection for Sparse and Dense Functional Data in General Dimensions**

Carlos Misael Madrid Padilla · Daren Wang · Zifeng Zhao · Yi Yu

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #715

Poster

### **Invariant and Transportable Representations for Anti-Causal Domain Shifts**

Yibo Jiang · Victor Veitch

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #716

Poster

### **Robust Feature-Level Adversaries are Interpretability Tools**

Stephen Casper · Max Nadeau · Dylan Hadfield-Menell · Gabriel Kreiman

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #717

Poster

## **Posterior Refinement Improves Sample Efficiency in Bayesian Neural Networks**

Agustinus Kristiadi · Runa Eschenhagen · Philipp Hennig

In Poster Session 3

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #718

Poster

## **Anonymous Bandits for Multi-User Systems**

Hossein Esfandiari · Vahab Mirrokni · Jon Schneider

In Poster Session 3

[ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #719

Poster

## **Branch & Learn for Recursively and Iteratively Solvable Problems in Predict+Optimize**

Xinyi Hu · Jasper Lee · Jimmy Lee · Allen Z. Zhong

In Poster Session 3

[ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #720

Poster

## **Model-based RL with Optimistic Posterior Sampling: Structural Conditions and Sample Complexity**

Alekh Agarwal · Tong Zhang

In Poster Session 3

[ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #722

Poster

## **Reproducibility in Optimization: Theoretical Framework and Limits**

Kwangjun Ahn · Prateek Jain · Ziwei Ji · Satyen Kale · Praneeth Netrapalli · Gil I Shamir

In Poster Session 3

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #723

Poster

## **Adversarial Robustness is at Odds with Lazy Training**

Yunjuan Wang · Enayat Ullah · Poorya Mianjy · Raman Arora

In Poster Session 3

[ [Slides](#) ] [ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #724

Poster

## **The Curse of Unrolling: Rate of Differentiating Through Optimization**

Damien Scieur · Gauthier Gidel · Quentin Bertrand · Fabian Pedregosa

In Poster Session 3

[ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #725

Poster

## **On the Theoretical Properties of Noise Correlation in Stochastic Optimization**

Aurelien Lucchi · Frank Proske · Antonio Orvieto · Francis Bach · Hans Kersting

In Poster Session 3

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #726

Poster

## **Support Recovery in Sparse PCA with Incomplete Data**

Hanbyul Lee · Qifan Song · Jean Honorio

In Poster Session 3

[ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #727

Poster

## **Finite-Time Regret of Thompson Sampling Algorithms for Exponential Family Multi-Armed Bandits**

Tianyuan Jin · Pan Xu · Xiaokui Xiao · Anima Anandkumar

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #728

Poster

## **A gradient estimator via L1-randomization for online zero-order optimization with two point feedback**

Arya Akhavan · Evgenii Chzhen · Massimiliano Pontil · Alexandre Tsybakov

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #729

Poster

## **Hypothesis Testing for Differentially Private Linear Regression**

Daniel Alabi · Salil Vadhan

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #730

Poster

## **Sound and Complete Causal Identification with Latent Variables Given Local Background Knowledge**

Tian-Zuo Wang · Tian Qin · Zhi-Hua Zhou

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #731

Poster

## **One for All: Simultaneous Metric and Preference Learning over Multiple Users**

Gregory Canal · Blake Mason · Ramya Korlakai Vinayak · Robert Nowak

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #732

Poster

## **AdaFocal: Calibration-aware Adaptive Focal Loss**

Arindam Ghosh · Thomas Schaaf · Matthew Gormley

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #734

Poster

## **Learning Distributed and Fair Policies for Network Load Balancing as Markov Potential Game**

Zhiyuan Yao · Zihan Ding

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #735

Poster

## **Fair Ranking with Noisy Protected Attributes**

Anay Mehrotra · Nisheeth Vishnoi

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #736

Poster

## **Off-Policy Evaluation with Deficient Support Using Side Information**

Nicolò Felicioni · Maurizio Ferrari Dacrema · Marcello Restelli · Paolo Cremonesi

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #737

Poster

## **How to talk so AI will learn: Instructions, descriptions, and autonomy**

Theodore Sumers · Robert Hawkins · Mark Ho · Tom Griffiths · Dylan Hadfield-Menell

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #738

Poster

## **Capturing Failures of Large Language Models via Human Cognitive Biases**

Erik Jones · Jacob Steinhardt

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #739

Poster

## **A time-resolved theory of information encoding in recurrent neural networks**

Rainer Engelken · Sven Goedeke

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #740

Poster

## **Learning Chaotic Dynamics in Dissipative Systems**

Zongyi Li · Miguel Liu-Schiavini · Nikola Kovachki · Kamyar Azizzadenesheli · Burigede Liu · Kaushik Bhattacharya · Andrew Stuart · Anima Anandkumar

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #741

Poster

## **On Elimination Strategies for Bandit Fixed-Confidence Identification**

Andrea Tirinzoni · Rémy Degenne

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #742

Poster

## **(Optimal) Online Bipartite Matching with Degree Information**

Anders Aamand · Justin Chen · Piotr Indyk

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #842

Poster

## **Scalable and Efficient Non-adaptive Deterministic Group Testing**

Dariusz Kowalski · Dominik Pajak

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #841

Poster

## **Understanding the Eluder Dimension**

Gene Li · Prithish Kamath · Dylan J Foster · Nati Srebro

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #840

Poster

## **Subspace clustering in high-dimensions: Phase transitions \& Statistical-to-Computational gap**

Luca Pesce · Bruno Loureiro · Florent Krzakala · Lenka Zdeborová

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #839

Poster

## **A Few Expert Queries Suffices for Sample-Efficient RL with Resets and Linear Value Approximation**

Philip Amortila · Nan Jiang · Dhruv Madeka · Dean Foster

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #838

Poster

## **Sample Complexity of Learning Heuristic Functions for Greedy-Best-First and A\* Search**

Shinsaku Sakae · Taihei Oki

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #837

Poster

## **Distributionally Robust Optimization via Ball Oracle Acceleration**

Yair Carmon · Danielle Hausler

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #836

Poster

## **Online Bipartite Matching with Advice: Tight Robustness-Consistency Tradeoffs for the Two-Stage Model**

Billy Jin · Will Ma

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #835

Poster

## **GraB: Finding Provably Better Data Permutations than Random Reshuffling**

Yucheng Lu · Wentao Guo · Christopher De Sa

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #834

Poster

## **House of Cans: Covert Transmission of Internal Datasets via Capacity-Aware Neuron Steganography**

Xudong Pan · Shengyao Zhang · Mi Zhang · Yifan Yan · Min Yang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #833

Poster

## **A Causal Analysis of Harm**

Sander Beckers · Hana Chockler · Joseph Halpern

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #831

Poster

## **Simple Mechanisms for Welfare Maximization in Rich Advertising Auctions**

Gagan Aggarwal · Kshipra Bhawalkar · Aranyak Mehta · Divyarthi Mohan · Alexandros Psomas

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #830

Poster

## **On Image Segmentation With Noisy Labels: Characterization and Volume Properties of the Optimal Solutions to Accuracy and Dice**

Marcus Nordstrom · Henrik Hult · Fredrik Löfman · Jonas Söderberg

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #829

Poster

## **Online Algorithms for the Santa Claus Problem**

Max Springer · MohammadTaghi Hajiaghayi · Debmalya Panigrahi · Mohammad Khani

In Poster Session 3

[ Slides ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #828

Poster

## **Learning on the Edge: Online Learning with Stochastic Feedback Graphs**

Emmanuel Esposito · Federico Fusco · Dirk van der Hoeven · Nicolò Cesa-Bianchi

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #827

Poster

## **Optimal Dynamic Regret in LQR Control**

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #826

Poster

**Improved Regret Analysis for Variance-Adaptive Linear Bandits and Horizon-Free Linear Mixture MDPs**

Yeonueung Kim · Insoon Yang · Kwang-Sung Jun

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #825

Poster

**Optimistic Mirror Descent Either Converges to Nash or to Strong Coarse Correlated Equilibria in Bimatrix Games**

Ioannis Anagnostides · Gabriele Farina · Ioannis Panageas · Tuomas Sandholm

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #824

Poster

**Online Convex Optimization with Hard Constraints: Towards the Best of Two Worlds and Beyond**

Hengquan Guo · Xin Liu · Honghao Wei · Lei Ying

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #823

Poster

**Pessimism for Offline Linear Contextual Bandits using  $\ell_p$  Confidence Sets**

Gene Li · Cong Ma · Nati Srebro

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #822

Poster

**Mean Estimation in High-Dimensional Binary Markov Gaussian Mixture Models**

Yihan Zhang · Nir Weinberger

In Poster Session 3

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #821

Poster

**Queue Up Your Regrets: Achieving the Dynamic Capacity Region of Multiplayer Bandits**

Ilai Bistritz · Nicholas Bambos

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #820

Poster

**The First Optimal Algorithm for Smooth and Strongly-Convex-Strongly-Concave Minimax Optimization**

Dmitry Kovalev · Alexander Gasnikov

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #819

Poster

**Beyond black box densities: Parameter learning for the deviated components**

Dat Do · Nhat Ho · XuanLong Nguyen

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #818

Poster

**A Best-of-Both-Worlds Algorithm for Bandits with Delayed Feedback**

Saeed Masoudian · Julian Zimmert · Yevgeny Seldin

In Poster Session 3

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #817

Poster

### **New Lower Bounds for Private Estimation and a Generalized Fingerprinting Lemma**

Gautam Kamath · Argyris Mouzakis · Vikrant Singhal

In Poster Session 3

[ [Poster](#) ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #816

Poster

### **Policy Optimization for Markov Games: Unified Framework and Faster Convergence**

Runyu Zhang · Qinghua Liu · Huan Wang · Caiming Xiong · Na Li · Yu Bai

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #815

Poster

### **A Damped Newton Method Achieves Global $\mathcal{O}\left(\frac{1}{k^2}\right)$ and Local Quadratic Convergence Rate**

Slavomír Hanzely · Dmitry Kamzolov · Dmitry Pasechnyuk · Alexander Gasnikov · Peter Richtarik · Martin Takac In Poster Session 3

[ [Poster](#) ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #814

Poster

### **Local Identifiability of Deep ReLU Neural Networks: the Theory**

Joachim Bona-Pellissier · François Malgouyres · Francois Bachoc

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #813

Poster

### **Conditional Independence Testing with Heteroskedastic Data and Applications to Causal Discovery**

Wiebke Günther · Urmi Ninad · Jonas Wahl · Jakob Runge

In Poster Session 3

[ [Poster](#) ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #812

Poster

### **Online Allocation and Learning in the Presence of Strategic Agents**

Steven Yin · Shipra Agrawal · Assaf Zeevi

In Poster Session 3

[ [Poster](#) ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #811

Poster

### **Signal Recovery with Non-Expansive Generative Network Priors**

Jorio Cocola

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #810

Poster

### **Practical Adversarial Multivalid Conformal Prediction**

Osbert Bastani · Varun Gupta · Christopher Jung · Georgy Noarov · Ramya Ramalingam · Aaron Roth

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #809

Poster

### **Sublinear Algorithms for Hierarchical Clustering**

Arpit Agarwal · Sanjeev Khanna · Huan Li · Prathamesh Patil

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #808

Poster

## **Large-scale Optimization of Partial AUC in a Range of False Positive Rates**

Yao Yao · Qihang Lin · Tianbao Yang

In Poster Session 3

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #807

Poster

## **Stability Analysis and Generalization Bounds of Adversarial Training**

Jiancong Xiao · Yanbo Fan · Ruoyu Sun · Jue Wang · Zhi-Quan Luo

In Poster Session 3

[ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #806

Poster

## **Globally Gated Deep Linear Networks**

Qianyi Li · Haim Sompolinsky

In Poster Session 3

[ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #805

Poster

## **Generalization Analysis on Learning with a Concurrent Verifier**

Masaaki Nishino · Kengo Nakamura · Norihito Yasuda

In Poster Session 3

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #804

Poster

## **Efficiently Computing Local Lipschitz Constants of Neural Networks via Bound Propagation**

Zhouxing Shi · Yihan Wang · Huan Zhang · J. Zico Kolter · Cho-Jui Hsieh

In Poster Session 3

[ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #803

Poster

## **Test Time Adaptation via Conjugate Pseudo-labels**

Sachin Goyal · Mingjie Sun · Aditi Raghunathan · J. Zico Kolter

In Poster Session 3

[ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #802

Poster

## **Best of Both Worlds Model Selection**

Aldo Pacchiano · Christoph Dann · Claudio Gentile

In Poster Session 3

[ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #801

Poster

## **Logical Credal Networks**

Radu Marinescu · Haifeng Qian · Alexander Gray · Debarun Bhattacharjya · Francisco Barahona · Tian Gao · Ryan Riegel · Pravinda Sahu

In Poster Session 3

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #800

Poster

## **Low-Rank Modular Reinforcement Learning via Muscle Synergy**

Heng Dong · Tonghan Wang · Chongjie Zhang

In Poster Session 3

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #900

Poster

## **LogiGAN: Learning Logical Reasoning via Adversarial Pre-training**

Xinyu Pi · Wanjun Zhong · Yan Gao · Nan Duan · Jian-Guang Lou

In Poster Session 3

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #901

Poster

### ***Self-supervised surround-view depth estimation with volumetric feature fusion***

Jung-Hee Kim · Junhwa Hur · Tien Phuoc Nguyen · Seong-Gyun Jeong

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #902

Poster

### ***Promising or Elusive? Unsupervised Object Segmentation from Real-world Single Images***

Yafei YANG · Bo Yang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #903

Poster

### ***Learning to Attack Federated Learning: A Model-based Reinforcement Learning Attack Framework***

Henger Li · Xiaolin Sun · Zizhan Zheng

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #904

Poster

### ***Sparse Probabilistic Circuits via Pruning and Growing***

Meihua Dang · Anji Liu · Guy Van den Broeck

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #905

Poster

### ***Explaining Preferences with Shapley Values***

Robert Hu · Siu Lun Chau · Jaime Ferrando Huertas · Dino Sejdinovic

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #906

Poster

### ***Implications of Model Indeterminacy for Explanations of Automated Decisions***

Marc-Etienne Brunet · Ashton Anderson · Richard Zemel

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #907

Poster

### ***Self-Explaining Deviations for Coordination***

Hengyuan Hu · Samuel Sokota · David Wu · Anton Bakhtin · Andrei Lupu · Brandon Cui · Jakob Foerster

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #908

Poster

### ***A Direct Approximation of AIXI Using Logical State Abstractions***

Samuel Yang-Zhao · Tianyu Wang · Kee Siong Ng

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #909

Poster

### ***Adjoint-aided inference of Gaussian process driven differential equations***

Paterne GAHUNGU · Christopher Lanyon · Mauricio A Álvarez · Engineer Bainomugisha · Michael T Smith · Richard Wilkinson

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #910

Poster

### ***Beyond L1: Faster and Better Sparse Models with skglm***

Quentin Bertrand · Quentin Klopfenstein · Pierre-Antoine Bannier · Gauthier Gidel · Mathurin Massias

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #911

Poster

## ***Robust Imitation of a Few Demonstrations with a Backwards Model***

Jung Yeon Park · Lawson Wong

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #912

Poster

## ***Improving Policy Learning via Language Dynamics Distillation***

Victor Zhong · Jesse Mu · Luke Zettlemoyer · Edward Grefenstette · Tim Rocktäschel

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #913

Poster

## ***Monocular Dynamic View Synthesis: A Reality Check***

Hang Gao · Rui long Li · Shubham Tulsiani · Bryan Russell · Angjoo Kanazawa

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #914

Poster

## ***VAEL: Bridging Variational Autoencoders and Probabilistic Logic Programming***

Eleonora Misino · Giuseppe Marra · Emanuele Sansone

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #915

Poster

## ***Test-Time Training with Masked Autoencoders***

Yossi Gandelsman · Yu Sun · Xinlei Chen · Alexei Efros

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #916

Poster

## ***Learning Modular Simulations for Homogeneous Systems***

Jayesh Gupta · Sai Vemprala · Ashish Kapoor

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #917

Poster

## ***Flowification: Everything is a normalizing flow***

Bálint Máté · Samuel Klein · Tobias Golling · François Fleuret

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #918

Poster

## ***Focal Modulation Networks***

Jianwei Yang · Chunyuan Li · Xiyang Dai · Jianfeng Gao

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #919

Poster

## ***OpenAUC: Towards AUC-Oriented Open-Set Recognition***

Zitai Wang · Qianqian Xu · Zhiyong Yang · Yuan He · Xiaochun Cao · Qingming Huang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #920

Poster

## ***Beyond Separability: Analyzing the Linear Transferability of Contrastive Representations to Related Subpopulations***

Jeff Z. HaoChen · Colin Wei · Ananya Kumar · Tengyu Ma

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #921

Poster

## **Contrastive Adapters for Foundation Model Group Robustness**

Michael Zhang · Christopher Ré

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #922

Poster

## **Two-layer neural network on infinite dimensional data: global optimization guarantee in the mean-field regime**

Naoki Nishikawa · Taiji Suzuki · Atsushi Nitanda · Denny Wu

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #923

Poster

## **Rethinking Lipschitz Neural Networks and Certified Robustness: A Boolean Function Perspective**

Bohang Zhang · Du Jiang · Di He · Liwei Wang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #924

Poster

## **Riemannian Neural SDE: Learning Stochastic Representations on Manifolds**

Sung Woo Park · Hyomin Kim · Kyungjae Lee · Junseok Kwon

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #925

Poster

## **Discovering Design Concepts for CAD Sketches**

Yuezhi Yang · Hao Pan

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #926

Poster

## **ProcTHOR: Large-Scale Embodied AI Using Procedural Generation**

Matt Deitke · Eli VanderBilt · Alvaro Herrasti · Luca Weihs · Kiana Ehsani · Jordi Salvador · Winson Han · Eric Kolve · Aniruddha Kembhavi · Rozbeh Mottaghi

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #927

Poster

## **Picking on the Same Person: Does Algorithmic Monoculture lead to Outcome Homogenization?**

Rishi Bommasani · Kathleen A. Creel · Ananya Kumar · Dan Jurafsky · Percy Liang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #928

Poster

## **Risk-Driven Design of Perception Systems**

Anthony Corso · Sydney Katz · Craig Innes · Xin Du · Subramanian Ramamoorthy · Mykel J Kochenderfer

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #929

Poster

## **Finding Differences Between Transformers and ConvNets Using Counterfactual Simulation Testing**

Nataniel Ruiz · Sarah Bargal · Cihang Xie · Kate Saenko · Stan Sclaroff

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #930

Poster

## ***On the Generalization Power of the Overfitted Three-Layer Neural Tangent Kernel Model***

Peizhong Ju · Xiaojun Lin · Ness Shroff

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #931

Poster

## ***Escaping from the Barren Plateau via Gaussian Initializations in Deep Variational Quantum Circuits***

Kaining Zhang · Liu Liu · Min-Hsiu Hsieh · Dacheng Tao

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #932

Poster

## ***On Deep Generative Models for Approximation and Estimation of Distributions on Manifolds***

Braj Dahal · Alexander Havrilla · Minshuo Chen · Tuo Zhao · Wenjing Liao

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #933

Poster

## ***Constants of motion network***

Muhammad Firmansyah Kasim · Yi Heng Lim

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #934

Poster

## ***Graph Scattering beyond Wavelet Shackles***

Christian Koke · Gitta Kutyniok

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #935

Poster

## ***On Margins and Generalisation for Voting Classifiers***

Felix Biggs · Valentina Zantedeschi · Benjamin Guedj

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #936

Poster

## ***Stochastic Online Learning with Feedback Graphs: Finite-Time and Asymptotic Optimality***

Teodor Vanislavov Marinov · Mehryar Mohri · Julian Zimmert

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #937

Poster

## ***Exponential Family Model-Based Reinforcement Learning via Score Matching***

Gene Li · Junbo Li · Anmol Kabra · Nati Srebro · Zhaoran Wang · Zhuoran Yang

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #938

Poster

## ***Learning Infinite-Horizon Average-Reward Restless Multi-Action Bandits via Index Awareness***

GUOJUN XIONG · Shufan Wang · Jian Li

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #939

Poster

## ***Conservative Dual Policy Optimization for Efficient Model-Based Reinforcement Learning***

Shenao Zhang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #940

Poster

### **Provably Defense against Backdoor Policies in Reinforcement Learning**

Shubham Bharti · Xuezhou Zhang · Adish Singla · Jerry Zhu

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #941

Poster

### **Cost-efficient Gaussian tensor network embeddings for tensor-structured inputs**

Linjian Ma · Edgar Solomonik

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #942

Poster

### **Online Learning and Pricing for Network Revenue Management with Reusable Resources**

Huiwen Jia · Cong Shi · Siqian Shen

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1042

Poster

### **MultiScan: Scalable RGBD scanning for 3D environments with articulated objects**

Yongsen Mao · Yiming Zhang · Hanxiao Jiang · Angel Chang · Manolis Savva

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1041

Poster

### **FairVFL: A Fair Vertical Federated Learning Framework with Contrastive Adversarial Learning**

Tao Qi · Fangzhao Wu · Chuhan Wu · Lingjuan Lyu · Tong Xu · Hao Liao · Zhongliang Yang · Yongfeng Huang · Xing Xie

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1040

Poster

### **DeepFoids: Adaptive Bio-Inspired Fish Simulation with Deep Reinforcement Learning**

Yuko Ishiwaka · Xiao Zeng · Shun Ogawa · Donovan Westwater · Tadayuki Tone · Masaki Nakada

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1039

Poster

### **Bayesian Spline Learning for Equation Discovery of Nonlinear Dynamics with Quantified Uncertainty**

Luning Sun · Daniel Huang · Hao Sun · Jian-Xun Wang

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1038

Poster

### **Understanding Non-linearity in Graph Neural Networks from the Bayesian-Inference Perspective**

Rongzhe Wei · Haoteng YIN · Junting Jia · Austin Benson · Pan Li

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1037

Poster

### **Graph Reordering for Cache-Efficient Near Neighbor Search**

Benjamin Coleman · Santiago Segarra · Alexander Smola · Anshumali Shrivastava

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1036

Poster

## **Boosting Barely Robust Learners: A New Perspective on Adversarial Robustness**

Avrim Blum · Omar Montasser · Greg Shakhnarovich · Hongyang Zhang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1035

Poster

## **The Gyro-Structure of Some Matrix Manifolds**

Xuan Son Nguyen

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1034

Poster

## **Revisit last-iterate convergence of mSGD under milder requirement on step size**

ruinan Jin · Xingkang He · Lang Chen · Difei Cheng · Vijay Gupta

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1033

Poster

## **Robustness Analysis of Video-Language Models Against Visual and Language Perturbations**

Madeline Chantry · Shruti Vyas · Hamid Palangi · Yogesh Rawat · Vibhav Vineet

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1032

Poster

## **Beyond Real-world Benchmark Datasets: An Empirical Study of Node Classification with GNNs**

Seiji Maekawa · Koki Noda · Yuya Sasaki · makoto onizuka

In Poster Session 3

[ Slides ] [ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1031

Poster

## **AMOS: A Large-Scale Abdominal Multi-Organ Benchmark for Versatile Medical Image Segmentation**

Yuanfeng Ji · Haotian Bai · Chongjian GE · Jie Yang · Ye Zhu · Ruimao Zhang · Zhen Li · Lingyan Zhanng · Wanling Ma · Xiang Wan · Ping Luo

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1030

Poster

## **JAHS-Bench-201: A Foundation For Research On Joint Architecture And Hyperparameter Search**

Archit Bansal · Danny Stoll · Maciej Janowski · Arber Zela · Frank Hutter

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1029

Poster

## **Wild-Time: A Benchmark of in-the-Wild Distribution Shift over Time**

Huaxiu Yao · Caroline Choi · Bochuan Cao · Yoonho Lee · Pang Wei Koh · Chelsea Finn

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1028

Poster

## **Towards Better Evaluation for Dynamic Link Prediction**

Farimah Poursafaei · Shenyang Huang · Kellin Pelrine · Reihaneh Rabbany

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1027

Poster

## **Avalon: A Benchmark for RL Generalization Using Procedurally Generated Worlds**

Joshua Albrecht · Abraham Fetterman · Bryden Fogelman · Ellie Kitanidis · Bartosz Wróblewski · Nicole Seo · In Poster Session 3  
Michael Rosenthal · Maksis Knutins · Zack Polizzi · James Simon · Kanjun Qiu

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1026

Poster

## **GridlyJS: A Web IDE for Reinforcement Learning**

Christopher Bamford · Minqi Jiang · Mikayel Samvelyan · Tim Rocktäschel

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1025

Poster

## **AnimeRun: 2D Animation Visual Correspondence from Open Source 3D Movies**

Li Siyao · Yuhang Li · Bo Li · Chao Dong · Ziwei Liu · Chen Change Loy

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1024

Poster

## **VLMbench: A Compositional Benchmark for Vision-and-Language Manipulation**

Kaizhi Zheng · Xiaotong Chen · Odest Chadwicke Jenkins · Xin Wang

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1023

Poster

## **OpenFilter: A Framework to Democratize Research Access to Social Media AR Filters**

Piera Riccio · Bill Psomas · Francesco Galati · Francisco Escolano · Thomas Hofmann · Nuria Oliver

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1022

Poster

## **Forecasting Future World Events With Neural Networks**

Andy Zou · Tristan Xiao · Ryan Jia · Joe Kwon · Mantas Mazeika · Richard Li · Dawn Song · Jacob Steinhardt · In Poster Session 3  
Owain Evans · Dan Hendrycks

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1021

Poster

## **Active-Passive SimStereo - Benchmarking the Cross-Generalization Capabilities of Deep Learning-based Stereo Methods**

Laurent Jospin · Allen Antony · Lian Xu · Hamid Laga · Farid Boussaid · Mohammed Bennamoun

In Poster Session 3

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1020

Poster

## **TAP-Vid: A Benchmark for Tracking Any Point in a Video**

Carl Doersch · Ankush Gupta · Larisa Markeeva · Adria Recasens · Lucas Smaira · Yusuf Aytar · Joao Carreira · In Poster Session 3  
Andrew Zisserman · Yi Yang

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1019

Poster

## **EHRSQ: A Practical Text-to-SQL Benchmark for Electronic Health Records**

Gyubok Lee · Hyeonji Hwang · Seongsu Bae · Yeonsu Kwon · Woncheol Shin · Seongjun Yang · Minjoon Seo · In Poster Session 3  
Jong-Yeup Kim · Edward Choi

[  Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1018

Poster

## IKEA-Manual: Seeing Shape Assembly Step by Step

Ruocheng Wang · Yunzhi Zhang · Jiayuan Mao · Ran Zhang · Chin-Yi Cheng · Jiajun Wu

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1017

Poster

## Model Zoos: A Dataset of Diverse Populations of Neural Network Models

Konstantin Schürholt · Diyar Taskiran · Boris Knyazev · Xavier Giro-i-Nieto · Damian Borth

In Poster Session 3

[ Slides ] [ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1016

Poster

## mRI: Multi-modal 3D Human Pose Estimation Dataset using mmWave, RGB-D, and Inertial Sensors

Sizhe An · Yin Li · Umit Ogras

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1015

Poster

## A Multi-Task Benchmark for Korean Legal Language Understanding and Judgement Prediction

Wonseok Hwang · Dongjun Lee · Kyoungyeon Cho · Hanuh Lee · Minjoon Seo

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1014

Poster

## Characteristics of Harmful Text: Towards Rigorous Benchmarking of Language Models

Maribeth Rauh · John Mellor · Jonathan Uesato · Po-Sen Huang · Johannes Welbl · Laura Weidinger · Sumanth Dathathri · Amelia Glaese · Geoffrey Irving · Jason Gabriel · William Isaac · Lisa Anne Hendricks

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1013

Poster

## A Large Scale Search Dataset for Unbiased Learning to Rank

Lixin Zou · Haitao Mao · Xiaokai Chu · Jiliang Tang · Wenwen Ye · Shuaiqiang Wang · Dawei Yin

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1012

Poster

## Open High-Resolution Satellite Imagery: The WorldStrat Dataset – With Application to Super-Resolution

Julien Cornebise · Ivan Oršolić · Freddie Kalaitzis

In Poster Session 3

[  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1011

Poster

## Sample Efficiency Matters: A Benchmark for Practical Molecular Optimization

Wenhai Gao · Tianfan Fu · Jimeng Sun · Connor Coley

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1010

Poster

## MSDS: A Large-Scale Chinese Signature and Token Digit String Dataset for Handwriting Verification

Peirong Zhang · Jiajia Jiang · Yuliang Liu · Lianwen Jin

In Poster Session 3

[ Poster ] [  OpenReview ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1009

Poster

## **Truncated Emphatic Temporal Difference Methods for Prediction and Control**

Shangtong Zhang · Shimon Whiteson

In Poster Session 3

[ [Poster](#) ]

[ [Paper PDF](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1008

Poster

## **IALE: Imitating Active Learner Ensembles**

Christoffer Löffler · Christopher Mutschler

In Poster Session 3

[ [Poster](#) ]

[ [Paper PDF](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1007

Poster

## **Fast and Robust Rank Aggregation against Model Misspecification**

YUANGANG PAN · Ivor W. Tsang · Weijie Chen · Gang Niu · Masashi Sugiyama

In Poster Session 3

[ [Paper PDF](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1006

Poster

## **All You Need is a Good Functional Prior for Bayesian Deep Learning**

Ba-Hien Tran · Simone Rossi · Dimitrios Milios · Maurizio Filippone

In Poster Session 3

[ [Poster](#) ]

[ [Paper PDF](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1005

Poster

## **[Re] Solving Phase Retrieval With a Learned Reference**

Nick Rucka · Tobias Uelwer · Stefan Harmeling

In Poster Session 3

[ [Poster](#) ]

[ [Paper PDF](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1004

Poster

## **[Re] Strategic classification made practical: reproduction**

Guilly Kolkman · Jan Athmer · Alex Labro · Maksymilian Kulicki

In Poster Session 3

[ [Paper PDF](#) ]

Wed Nov 30 09:30 AM -- 11:00 AM (PST) @ Hall J #1003

Poster

## **[Re] Graph Edit Networks**

Vid Stropnik · Maruša Oražem

In Poster Session 3

[ [Paper PDF](#) ]

Wed Nov 30 02:00 PM -- 04:00 PM (PST) @ Hall J #143

Poster

## **End-to-End Learning to Index and Search in Large Output Spaces**

Nilesh Gupta · Patrick Chen · Hsiang-Fu Yu · Cho-Jui Hsieh · Inderjit Dhillon

In Poster Session 4

[ [Slides](#) ] [ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #101

Poster

## **Escaping Saddle Points for Effective Generalization on Class-Imbalanced Data**

Harsh Rangwani · Sumukh K Aithal · Mayank Mishra · Venkatesh Babu R

In Poster Session 4

[ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #103

Poster

## **Active Learning Through a Covering Lens**

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #105

Poster

### **Sparse Winning Tickets are Data-Efficient Image Recognizers**

Mukund Varma T · Xuxi Chen · Zhenyu Zhang · Tianlong Chen · Subhashini Venugopalan · Zhangyang Wang In Poster Session 4

[ Slides ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #107

Poster

### **Active Learning Helps Pretrained Models Learn the Intended Task**

Alex Tamkin · Dat Nguyen · Salil Deshpande · Jesse Mu · Noah Goodman

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #108

Poster

### **Star Temporal Classification: Sequence Modeling with Partially Labeled Data**

Vineel Pratap · Awni Hannun · Gabriel Synnaeve · Ronan Collobert

In Poster Session 4

[ Slides ] [ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #109

Poster

### **S-PIFu: Integrating Parametric Human Models with PIFu for Single-view Clothed Human Reconstruction**

Kennard Chan · Guosheng Lin · Haiyu Zhao · Weisi Lin

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #110

Poster

### **Interaction-Grounded Learning with Action-inclusive Feedback**

Tengyang Xie · Akanksha Saran · Dylan J Foster · Lekan Molu · Ida Momennejad · Nan Jiang · Paul Mineiro · John Langford In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #111

Poster

### **Model-based Safe Deep Reinforcement Learning via a Constrained Proximal Policy Optimization Algorithm**

Ashish K Jayant · Shalabh Bhatnagar

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #112

Poster

### **NCP: Neural Correspondence Prior for Effective Unsupervised Shape Matching**

Souhaib Attaiki · Maks Ovsjanikov

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #113

Poster

### **Environment Diversification with Multi-head Neural Network for Invariant Learning**

Bo-Wei Huang · Keng-Te Liao · Chang-Sheng Kao · Shou-De Lin

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #114

Poster

### **Denoising Diffusion Restoration Models**

Bahjat Kawar · Michael Elad · Stefano Ermon · Jiaming Song

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #115

Poster

### **Predictive Coding beyond Gaussian Distributions**

Luca Pinchetti · Tommaso Salvatori · Yordan Yordanov · Beren Millidge · Yuhang Song · Thomas Lukasiewicz    In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #116

Poster

### **Trajectory balance: Improved credit assignment in GFlowNets**

Nikolay Malkin · Moksh Jain · Emmanuel Bengio · Chen Sun · Yoshua Bengio    In Poster Session 4

[ Slides ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #117

Poster

### **The least-control principle for local learning at equilibrium**

Alexander Meulemans · Nicolas Zucchet · Seijin Kobayashi · Johannes von Oswald · João Sacramento    In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #118

Poster

### **Universally Expressive Communication in Multi-Agent Reinforcement Learning**

Matthew Morris · Thomas D Barrett · Arnu Pretorius    In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #119

Poster

### **Introspective Learning : A Two-Stage approach for Inference in Neural Networks**

Mohit Prabhushankar · Ghassan AlRegib    In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #120

Poster

### **Optimistic Curiosity Exploration and Conservative Exploitation with Linear Reward Shaping**

Hao Sun · Lei Han · Rui Yang · Xiaoteng Ma · Jian Guo · Bolei Zhou    In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #121

Poster

### **Deep Architecture Connectivity Matters for Its Convergence: A Fine-Grained Analysis**

Wuyang Chen · Wei Huang · Xinyu Gong · Boris Hanin · Zhangyang Wang    In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #122

Poster

### **ToDD: Topological Compound Fingerprinting in Computer-Aided Drug Discovery**

Andaç Demir · Baris Coskunuzer · Yulia Gel · Ignacio Segovia-Dominguez · Yuzhou Chen · Bulent Kiziltan    In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #123

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### **Spartan: Differentiable Sparsity via Regularized Transportation**

Kai Sheng Tai · Taipeng Tian · Ser Nam Lim    In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #124

Poster

### **S3GC: Scalable Self-Supervised Graph Clustering**

Fnu Devrirt · Aditya Sinha · Inderjit Dhillon · Prateek Jain    In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #125

Poster

## **HUMUS-Net: Hybrid Unrolled Multi-scale Network Architecture for Accelerated MRI Reconstruction**

Zalan Fabian · Berk Tinaz · Mahdi Soltanolkotabi

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #126

Poster

## **DreamShard: Generalizable Embedding Table Placement for Recommender Systems**

Daochen Zha · Louis Feng · Qiaoyu Tan · Zirui Liu · Kwei-Herng Lai · Bhargav Bhushanam · Yuandong Tian · Arun Kejariwal · Xia Hu

In Poster Session 4

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #127

Poster

## **Navigating Memory Construction by Global Pseudo-Task Simulation for Continual Learning**

Yejia Liu · Wang Zhu · Shaolei Ren

In Poster Session 4

[ [Slides](#) ] [ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #128

Poster

## **Graph Learning Assisted Multi-Objective Integer Programming**

Yaoxin Wu · Wen Song · Zhiguang Cao · Jie Zhang · Abhishek Gupta · Mingyan Lin

In Poster Session 4

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #129

Poster

## **CEIP: Combining Explicit and Implicit Priors for Reinforcement Learning with Demonstrations**

Kai Yan · Alex Schwing · Yu-Xiong Wang

In Poster Session 4

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #130

Poster

## **Roadblocks for Temporarily Disabling Shortcuts and Learning New Knowledge**

Hongjing Niu · Hanting Li · Feng Zhao · Bin Li

In Poster Session 4

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #131

Poster

## **Contrastive Graph Structure Learning via Information Bottleneck for Recommendation**

Chunyu Wei · Jian Liang · Di Liu · Fei Wang

In Poster Session 4

[ [OpenReview](#) ]

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Poster

## **Mining Multi-Label Samples from Single Positive Labels**

Youngin Cho · Daejin Kim · MOHAMMAD AZAM KHAN · Jaegul Choo

In Poster Session 4

[ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #134

Poster

## **Reinforced Genetic Algorithm for Structure-based Drug Design**

Tianfan Fu · Wenhao Gao · Connor Coley · Jimeng Sun

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #135

Poster

## **Adaptive Distribution Calibration for Few-Shot Learning with Hierarchical Optimal Transport**

Dandan Guo · Long Tian · He Zhao · Mingyuan Zhou · Hongyuan Zha

In Poster Session 4

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #136

Poster

## **CLOOB: Modern Hopfield Networks with InfoLOOB Outperform CLIP**

Andreas Fürst · Elisabeth Rumetschofer · Johannes Lehner · Viet T. Tran · Fei Tang · Hubert Ramsauer · David Kreil · Michael Kopp · Günter Klambauer · Angela Bitto · Sepp Hochreiter

In Poster Session 4

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Poster

## **Class-Aware Adversarial Transformers for Medical Image Segmentation**

Chenyu You · Ruihan Zhao · Fenglin Liu · Siyuan Dong · Sandeep Chinchali · Ufuk Topcu · Lawrence Staib · James Duncan

In Poster Session 4

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Poster

## **Debiased Self-Training for Semi-Supervised Learning**

Baixu Chen · Junguang Jiang · Ximeい Wang · Pengfei Wan · Jianmin Wang · Mingsheng Long

In Poster Session 4

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Poster

## **Expediting Large-Scale Vision Transformer for Dense Prediction without Fine-tuning**

WEICONG LIANG · YUHUI YUAN · Henghui Ding · Xiao Luo · Weihong Lin · Ding Jia · Zheng Zhang · Chao Zhang · Han Hu

In Poster Session 4

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Poster

## **Single-Stage Visual Relationship Learning using Conditional Queries**

Alakh Desai · Tz-Ying Wu · Subarna Tripathi · Nuno Vasconcelos

In Poster Session 4

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## **Degradation-Aware Unfolding Half-Shuffle Transformer for Spectral Compressive Imaging**

Yuanhao Cai · Jing Lin · Haoqian Wang · Xin Yuan · Henghui Ding · Yulun Zhang · Radu Timofte · Luc V Gool

In Poster Session 4

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## **DetCLIP: Dictionary-Enriched Visual-Concept Parallelized Pre-training for Open-world Detection**

Lewei Yao · Jianhua Han · Youpeng Wen · Xiaodan Liang · Dan Xu · Wei Zhang · Zhenguo Li · Chunjing XU · Hang Xu

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## **OGC: Unsupervised 3D Object Segmentation from Rigid Dynamics of Point Clouds**

Ziyang Song · Bo Yang

In Poster Session 4

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## **Physically-Based Face Rendering for NIR-VIS Face Recognition**

Yunqi Miao · Alexandros Lattas · Jiankang Deng · Jungong Han · Stefanos Zafeiriou

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## **HSurf-Net: Normal Estimation for 3D Point Clouds by Learning Hyper Surfaces**

Qing Li · Yu-Shen Liu · Jin-San Cheng · Cheng Wang · Yi Fang · Zhizhong Han

In Poster Session 4

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## **Scaling Multimodal Pre-Training via Cross-Modality Gradient Harmonization**

Junru Wu · Yi Liang · feng han · Hassan Akbari · Zhangyang Wang · Cong Yu

In Poster Session 4

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## **Deep Bidirectional Language-Knowledge Graph Pretraining**

Michihiro Yasunaga · Antoine Bosselut · Hongyu Ren · Xikun Zhang · Christopher D Manning · Percy Liang · Jure Leskovec

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## **Vision Transformers provably learn spatial structure**

Samy Jelassi · Michael Sander · Yuanzhi Li

In Poster Session 4

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## **Rethinking and Improving Robustness of Convolutional Neural Networks: a Shapley Value-based Approach in Frequency Domain**

Yiting Chen · Qibing Ren · Junchi Yan

In Poster Session 4

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## **Self-Supervised Fair Representation Learning without Demographics**

Junyi Chai · Xiaoqian Wang

In Poster Session 4

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## **Losses Can Be Blessings: Routing Self-Supervised Speech Representations Towards Efficient Multilingual and Multitask Speech Processing**

Yonggan Fu · Yang Zhang · Kaizhi Qian · Zhifan Ye · Zhongzhi Yu · Cheng-I Jeff Lai · Celine Lin

In Poster Session 4

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## **Sequence-to-Set Generative Models**

Longtao Tang · Ying Zhou · Yu Yang

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## **Does GNN Pretraining Help Molecular Representation?**

Ruoxi Sun · Hanjun Dai · Adams Wei Yu

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## **Visual correspondence-based explanations improve AI robustness and human-AI team accuracy**

Mohammad Reza Taesiri · Giang Nguyen · Anh Nguyen

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## **Bringing Image Scene Structure to Video via Frame-Clip Consistency of Object Tokens**

Elad Ben Avraham · Roei Herzig · Karttikeya Mangalam · Amir Bar · Anna Rohrbach · Leonid Karlinsky · Trevor Darrell · Amir Globerson

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## **Probabilistic Transformer: Modelling Ambiguities and Distributions for RNA Folding and Molecule Design**

Jörg Franke · Frederic Runge · Frank Hutter

In Poster Session 4

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## **Transformers from an Optimization Perspective**

Yongyi Yang · zengfeng Huang · David P Wipf

In Poster Session 4

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## **Human-Robotic Prostheses as Collaborating Agents for Symmetrical Walking**

Ruofan Wu · Junmin Zhong · Brent Wallace · Xiang Gao · He Huang · Jennie Si

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## **Locating and Editing Factual Associations in GPT**

Kevin Meng · David Bau · Alex Andonian · Yonatan Belinkov

In Poster Session 4

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## **Embed and Emulate: Learning to estimate parameters of dynamical systems with uncertainty quantification**

Ruoxi Jiang · Rebecca Willett

In Poster Session 4

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## **Guaranteed Conservation of Momentum for Learning Particle-based Fluid Dynamics**

Lukas Prantl · Benjamin Ummenhofer · Vladlen Koltun · Nils Thuerey

In Poster Session 4

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## **DOMINO: Decomposed Mutual Information Optimization for Generalized Context in Meta-Reinforcement Learning**

Yao Mu · Yuzheng Zhuang · Fei Ni · Bin Wang · Jianyu Chen · Jianye Hao · Ping Luo

In Poster Session 4

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## ***UniGAN: Reducing Mode Collapse in GANs using a Uniform Generator***

Ziqi Pan · Li Niu · Liqing Zhang

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## ***On the Convergence Theory for Hessian-Free Bilevel Algorithms***

Daouda Sow · Kaiyi Ji · Yingbin Liang

In Poster Session 4

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## ***Meta-Auto-Decoder for Solving Parametric Partial Differential Equations***

Xiang Huang · Zhanhong Ye · Hongsheng Liu · Shi Ji · Zidong Wang · Kang Yang · Yang Li · Min Wang · Haotian In Poster Session 4  
CHU · Fan Yu · Bei Hua · Lei Chen · Bin Dong

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## ***Deep Active Learning by Leveraging Training Dynamics***

Haonan Wang · Wei Huang · Ziwei Wu · Hanghang Tong · Andrew J Margenot · Jingrui He

In Poster Session 4

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Poster

## ***Neural Matching Fields: Implicit Representation of Matching Fields for Visual Correspondence***

Sunghwan Hong · Jisu Nam · Seokju Cho · Susung Hong · Sangryul Jeon · Dongbo Min · Seungryong Kim In Poster Session 4

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## ***Invertible Monotone Operators for Normalizing Flows***

Byeongkeun Ahn · Chiyoon Kim · Youngjoon Hong · Hyunwoo Kim

In Poster Session 4

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Poster

## ***S<sup>3</sup>-NeRF: Neural Reflectance Field from Shading and Shadow under a Single Viewpoint***

Wenqi Yang · Guanying Chen · Chaofeng Chen · Zhenfang Chen · Kwan-Yee K. Wong

In Poster Session 4

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Poster

## ***Cross-Linked Unified Embedding for cross-modality representation learning***

Xinming Tu · Zhi-Jie Cao · xia chenrui · Sara Mostafavi · Ge Gao

In Poster Session 4

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Poster

## ***u-HuBERT: Unified Mixed-Modal Speech Pretraining And Zero-Shot Transfer to Unlabeled Modality***

Wei-Ning Hsu · Bowen Shi

In Poster Session 4

[ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #213

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## ***A Closer Look at the Adversarial Robustness of Deep Equilibrium Models***

Zonghan Yang · Tianyu Pang · Yang Liu

In Poster Session 4

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Poster

### **A Transformer-Based Object Detector with Coarse-Fine Crossing Representations**

Zhishan Li · Ying Nie · Kai Han · Jianyuan Guo · Lei Xie · Yunhe Wang

In Poster Session 4

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### **Meta-ticket: Finding optimal subnetworks for few-shot learning within randomly initialized neural networks**

Daiki Chijiwa · Shin'ya Yamaguchi · Atsutoshi Kumagai · Yasutoshi Ida

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #210

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### **Semi-Supervised Semantic Segmentation via Gentle Teaching Assistant**

Ying Jin · Jiaqi Wang · Dahua Lin

In Poster Session 4

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### **BinauralGrad: A Two-Stage Conditional Diffusion Probabilistic Model for Binaural Audio Synthesis**

Yichong Leng · Zehua Chen · Junliang Guo · Haohe Liu · Jiawei Chen · Xu Tan · Danilo Mandic · Lei He ·

In Poster Session 4

Xiangyang Li · Tao Qin · sheng zhao · Tie-Yan Liu

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Poster

### **Deep Attentive Belief Propagation: Integrating Reasoning and Learning for Solving Constraint Optimization Problems**

Yanchen Deng · Shufeng Kong · Caihua Liu · Bo An

In Poster Session 4

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### **Robust Calibration with Multi-domain Temperature Scaling**

Yaodong Yu · Stephen Bates · Yi Ma · Michael Jordan

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Poster

### **CATER: Intellectual Property Protection on Text Generation APIs via Conditional Watermarks**

Xuanli He · Qiongkai Xu · Yi Zeng · Lingjuan Lyu · Fangzhao Wu · Jiwei Li · Ruoxi Jia

In Poster Session 4

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### **Data-Efficient Augmentation for Training Neural Networks**

Tian Yu Liu · Baharan Mirzasoleiman

In Poster Session 4

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### **Learning Distinct and Representative Modes for Image Captioning**

Qi Chen · Chaorui Deng · Qi Wu

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #203

Poster

**GraphDE: A Generative Framework for Debiased Learning and Out-of-Distribution Detection on Graphs**

Zenan Li · Qitian Wu · Fan Nie · Junchi Yan

In Poster Session 4

[ Poster ] [ ⚑ OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #202

Poster

**Bootstrapped Transformer for Offline Reinforcement Learning**

Kerong Wang · Hanye Zhao · Xufang Luo · Kan Ren · Weinan Zhang · Dongsheng Li

In Poster Session 4

[ ⚑ OpenReview ]

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**INRAS: Implicit Neural Representation for Audio Scenes**

Kun Su · Mingfei Chen · Eli Shlizerman

In Poster Session 4

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Poster

**AMP: Automatically Finding Model Parallel Strategies with Heterogeneity Awareness**

Dacheng Li · Hongyi Wang · Eric Xing · Hao Zhang

In Poster Session 4

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**On the Symmetries of Deep Learning Models and their Internal Representations**

Charles Godfrey · Davis Brown · Tegan Emerson · Henry Kvinge

In Poster Session 4

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**Gradient Descent: The Ultimate Optimizer**

Kartik Chandra · Audrey Xie · Jonathan Ragan-Kelley · ERIK MEIJER

In Poster Session 4

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**Maximizing Revenue under Market Shrinkage and Market Uncertainty**

Maria-Florina Balcan · Siddharth Prasad · Tuomas Sandholm

In Poster Session 4

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**Constraining Gaussian Processes to Systems of Linear Ordinary Differential Equations**

Andreas Besginow · Markus Lange-Hegermann

In Poster Session 4

[ Slides ] [ ⚑ OpenReview ]

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Poster

**Neural Set Function Extensions: Learning with Discrete Functions in High Dimensions**

Nikolaos Karalias · Joshua Robinson · Andreas Loukas · Stefanie Jegelka

In Poster Session 4

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Poster

**In Defense of the Unitary Scalarization for Deep Multi-Task Learning**

Vitaly Kurin · Alessandro De Palma · Ilya Kostrikov · Shimon Whiteson · Pawan K Mudigonda

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #307

Poster

### **A Unified Analysis of Federated Learning with Arbitrary Client Participation**

Shiqiang Wang · Mingyue Ji

In Poster Session 4

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### **DNA: Proximal Policy Optimization with a Dual Network Architecture**

Matthew Aitchison · Penny Sweetser

In Poster Session 4

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### **Sampling in Constrained Domains with Orthogonal-Space Variational Gradient Descent**

Ruqi Zhang · Qiang Liu · Xin Tong

In Poster Session 4

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Poster

### **Sampling without Replacement Leads to Faster Rates in Finite-Sum Minimax Optimization**

Aniket Das · Bernhard Schölkopf · Michael Muehlebach

In Poster Session 4

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Poster

### **Near Instance-Optimal PAC Reinforcement Learning for Deterministic MDPs**

Andrea Tirinzoni · Aymen Al Marjani · Emilie Kaufmann

In Poster Session 4

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Poster

### **Gradient Descent Is Optimal Under Lower Restricted Secant Inequality And Upper Error Bound**

Charles Guille-Escuret · Adam Ibrahim · Baptiste Goujaud · Ioannis Mitliagkas

In Poster Session 4

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Poster

### **Posterior and Computational Uncertainty in Gaussian Processes**

Jonathan Wenger · Geoff Pleiss · Marvin Pförtner · Philipp Hennig · John Cunningham

In Poster Session 4

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### **Luckiness in Multiscale Online Learning**

Wouter Koolen · Muriel Pérez

In Poster Session 4

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### **Learning-Augmented Algorithms for Online Linear and Semidefinite Programming**

Elena Grigorescu · Young-San Lin · Sandeep Silwal · Maoyuan Song · Samson Zhou

In Poster Session 4

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### **Dynamic Pricing with Monotonicity Constraint under Unknown Parametric Demand Model**

Su Jia · Andrew Li · R Ravi

In Poster Session 4

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### **An Asymptotically Optimal Batched Algorithm for the Dueling Bandit Problem**

Arpit Agarwal · Rohan Ghuge · viswanath nagarajan

In Poster Session 4

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### **Precise Regret Bounds for Log-loss via a Truncated Bayesian Algorithm**

Changlong Wu · Mohsen Heidari · Ananth Grama · Wojciech Szpankowski

In Poster Session 4

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### **The Neural Covariance SDE: Shaped Infinite Depth-and-Width Networks at Initialization**

Mufan Li · Mihai Nica · Daniel M Roy

In Poster Session 4

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### **Self-Consistent Dynamical Field Theory of Kernel Evolution in Wide Neural Networks**

Blake Bordelon · Cengiz Pehlevan

In Poster Session 4

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### **Training Scale-Invariant Neural Networks on the Sphere Can Happen in Three Regimes**

Maxim Kodryan · Ekaterina Lobacheva · Maksim Nakhodnov · Dmitry Vetrov

In Poster Session 4

[  Poster ] [  OpenReview ]

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Poster

### **A Data-Augmentation Is Worth A Thousand Samples: Analytical Moments And Sampling-Free Training**

Randall Balestrieri · Ishan Misra · Yann LeCun

In Poster Session 4

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### **Causal Discovery in Heterogeneous Environments Under the Sparse Mechanism Shift Hypothesis**

Ronan Perry · Julius von Kügelgen · Bernhard Schölkopf

In Poster Session 4

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### **Maximizing and Satisficing in Multi-armed Bandits with Graph Information**

Parth Thaker · Mohit Malu · Nikhil Rao · Gautam Dasarathy

In Poster Session 4

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### **Thompson Sampling Efficiently Learns to Control Diffusion Processes**

Mohamad Kazem Shirani Faradonbeh · Mohamad Sadegh Shirani Faradonbeh · Mohsen Bayati

In Poster Session 4

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Poster

### **Counterfactual Fairness with Partially Known Causal Graph**

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### **Non-Convex Bilevel Games with Critical Point Selection Maps**

Michael Arbel · Julien Mairal

In Poster Session 4

[  OpenReview ]

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### **Provably tuning the ElasticNet across instances**

Maria-Florina Balcan · Misha Khodak · Dravyansh Sharma · Ameet Talwalkar

In Poster Session 4

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### **On Learning and Refutation in Noninteractive Local Differential Privacy**

Alexander Edmonds · Aleksandar Nikolov · Toniann Pitassi

In Poster Session 4

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Poster

### **Learning in Observable POMDPs, without Computationally Intractable Oracles**

Noah Golowich · Ankur Moitra · Dhruv Rohatgi

In Poster Session 4

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### **On the Robustness of Graph Neural Diffusion to Topology Perturbations**

Yang Song · Qiyu Kang · Sijie Wang · Kai Zhao · Wee Peng Tay

In Poster Session 4

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### **Robust Learning against Relational Adversaries**

Yizhen Wang · Mohannad Alhanahnah · Xiaozhu Meng · Ke Wang · Mihai Christodorescu · Somesh Jha

In Poster Session 4

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Poster

### **Toward Understanding Privileged Features Distillation in Learning-to-Rank**

Shuo Yang · Sujay Sanghavi · Holakou Rahmani · Jan Bakus · Vishwanathan S. V. N.

In Poster Session 4

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### **Lifting Weak Supervision To Structured Prediction**

Harit Vishwakarma · Frederic Sala

In Poster Session 4

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### **Meta Reinforcement Learning with Finite Training Tasks - a Density Estimation Approach**

Zohar Rimon · Aviv Tamar · Gilad Adler

In Poster Session 4

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Poster

### **Symbolic Distillation for Learned TCP Congestion Control**

S P Sharan · Wenqing Zheng · Kuo-Feng Hsu · Jiarong Xing · Ang Chen · Zhangyang Wang

In Poster Session 4

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### **On the Effectiveness of Persistent Homology**

Renata Turkes · Guido Montufar · Nina Otter

In Poster Session 4

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### **Fairness without Demographics through Knowledge Distillation**

Junyi Chai · Taeuk Jang · Xiaoqian Wang

In Poster Session 4

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### **Pre-Trained Model Reusability Evaluation for Small-Data Transfer Learning**

Yao-Xiang Ding · Xi-Zhu Wu · Kun Zhou · Zhi-Hua Zhou

In Poster Session 4

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### **HSDF: Hybrid Sign and Distance Field for Modeling Surfaces with Arbitrary Topologies**

Li Wang · jie Yang · Weikai Chen · Xiaoxu Meng · Bo Yang · Jintao Li · Lin Gao

In Poster Session 4

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### **Where to Pay Attention in Sparse Training for Feature Selection?**

Khada Sokar · Zahra Atashgahi · Mykola Pechenizkiy · Decebal Constantin Mocanu

In Poster Session 4

[  OpenReview ]

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### **An Adaptive Kernel Approach to Federated Learning of Heterogeneous Causal Effects**

Thanh Vinh Vo · Arnab Bhattacharyya · Young Lee · Tze-Yun Leong

In Poster Session 4

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### **RényiCL: Contrastive Representation Learning with Skew Rényi Divergence**

Kyungmin Lee · Jinwoo Shin

In Poster Session 4

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### **Look where you look! Saliency-guided Q-networks for generalization in visual Reinforcement Learning**

David Bertoin · Adil Zouitine · Mehdi Zouitine · Emmanuel Rachelson

In Poster Session 4

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### **On Embeddings for Numerical Features in Tabular Deep Learning**

Yury Gorishniy · Ivan Rubachev · Artem Babenko

In Poster Session 4

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### **SatMAE: Pre-training Transformers for Temporal and Multi-Spectral Satellite Imagery**

In Poster Session 4

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Poster

### (De-)Randomized Smoothing for Decision Stump Ensembles

Miklós Horváth · Mark Müller · Marc Fischer · Martin Vechev

In Poster Session 4

[ [Poster](#) ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #437

Poster

### Efficient Adversarial Training without Attacking: Worst-Case-Aware Robust Reinforcement Learning

Yongyuan Liang · Yanchao Sun · Ruijie Zheng · Furong Huang

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #436

Poster

### Wasserstein K-means for clustering probability distributions

Yubo Zhuang · Xiaohui Chen · Yun Yang

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #435

Poster

### Coordinate Linear Variance Reduction for Generalized Linear Programming

Chaobing Song · Cheuk Yin Lin · Stephen Wright · Jelena Diakonikolas

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #434

Poster

### Proximal Point Imitation Learning

Luca Viano · Angeliki Kamoutsi · Gergely Neu · Igor Krawczuk · Volkan Cevher

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #433

Poster

### Pitfalls of Epistemic Uncertainty Quantification through Loss Minimisation

Viktor Bengs · Eyke Hüllermeier · Willem Waegeman

In Poster Session 4

[ [Poster](#) ] [  OpenReview ]

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Poster

### Why neural networks find simple solutions: The many regularizers of geometric complexity

Benoit Dherin · Michael Munn · Mihaela Rosca · David Barrett

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #431

Poster

### Learning Articulated Rigid Body Dynamics with Lagrangian Graph Neural Network

Ravinder Bhattoo · Sayan Ranu · N M Anoop Krishnan

In Poster Session 4

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Poster

### Learning interacting dynamical systems with latent Gaussian process ODEs

Çağatay Yıldız · Melih Kandemir · Barbara Rakitsch

In Poster Session 4

[ [Poster](#) ] [  OpenReview ]

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Poster

## **Capturing Graphs with Hypo-Elliptic Diffusions**

Csaba Toth · Darrick Lee · Celia Hacker · Harald Oberhauser

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #428

Poster

## **MOVE: Unsupervised Movable Object Segmentation and Detection**

Adam Bielski · Paolo Favaro

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #427

Poster

## **Unsupervised Multi-Object Segmentation by Predicting Probable Motion Patterns**

Laurynas Karazija · Subhabrata Choudhury · Iro Laina · Christian Rupprecht · Andrea Vedaldi

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #426

Poster

## **Learning Concept Credible Models for Mitigating Shortcuts**

Jiaxuan Wang · Sarah Jabbour · Maggie Makar · Michael Sjoding · Jenna Wiens

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #425

Poster

## **Efficient Scheduling of Data Augmentation for Deep Reinforcement Learning**

Byungchan Ko · Jungseul Ok

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #424

Poster

## **BayesPCN: A Continually Learnable Predictive Coding Associative Memory**

Jinsoo Yoo · Frank Wood

In Poster Session 4

[  OpenReview ]

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Poster

## **DeVRF: Fast Deformable Voxel Radiance Fields for Dynamic Scenes**

Jia-Wei Liu · Yan-Pei Cao · Weijia Mao · Wenqiao Zhang · David Junhao Zhang · Jussi Keppo · Ying Shan · In Poster Session 4

Xiaohu Qie · Mike Zheng Shou

[  OpenReview ]

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Poster

## **ATD: Augmenting CP Tensor Decomposition by Self Supervision**

Chaoqi Yang · Cheng Qian · Navjot Singh · Cao (Danica) Xiao · M Westover · Edgar Solomonik · Jimeng Sun · In Poster Session 4

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Poster

## **Robust Models are less Over-Confident**

Julia Grabinski · Paul Gavrikov · Janis Keuper · Margret Keuper

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #420

Poster

## **HF-NeuS: Improved Surface Reconstruction Using High-Frequency Details**

Yiqun Wang · Ivan Skorokhodov · Peter Wonka

In Poster Session 4

[  OpenReview ]

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Poster

## **Neural Collapse with Normalized Features: A Geometric Analysis over the Riemannian Manifold**

Can Yaras · Peng Wang · Zhihui Zhu · Laura Balzano · Qing Qu

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #418

Poster

## **DISCO: Adversarial Defense with Local Implicit Functions**

Chih-Hui Ho · Nuno Vasconcelos

In Poster Session 4

[  Poster ] [  OpenReview ]

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Poster

## **Invariance-Aware Randomized Smoothing Certificates**

Jan Schuchardt · Stephan Günnemann

In Poster Session 4

[  Poster ] [  OpenReview ]

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Poster

## **Bayesian inference via sparse Hamiltonian flows**

Naitong Chen · Zuheng Xu · Trevor Campbell

In Poster Session 4

[  Poster ] [  OpenReview ]

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Poster

## **Score-based Generative Modeling Secretly Minimizes the Wasserstein Distance**

Dohyun Kwon · Ying Fan · Kangwook Lee

In Poster Session 4

[  Poster ] [  OpenReview ]

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Poster

## **Relational Reasoning via Set Transformers: Provable Efficiency and Applications to MARL**

Fengzhuo Zhang · Boyi Liu · KAI Xin WANG · Vincent Tan · Zhuoran Yang · Zhaoran Wang

In Poster Session 4

[  Poster ] [  OpenReview ]

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Poster

## **Robustness to Unbounded Smoothness of Generalized SignSGD**

Michael Crawshaw · Mingrui Liu · Francesco Orabona · Wei Zhang · Zhenxun Zhuang

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #412

Poster

## **Doubly-Asynchronous Value Iteration: Making Value Iteration Asynchronous in Actions**

Tian Tian · Kenny Young · Richard Sutton

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #411

Poster

## **Associating Objects and Their Effects in Video through Coordination Games**

Erika Lu · Forrester Cole · Weidi Xie · Tali Dekel · Bill Freeman · Andrew Zisserman · Michael Rubinstein

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #410

Poster

## **Masked Autoencoding for Scalable and Generalizable Decision Making**

Fangchen Liu · Hao Liu · Aditya Grover · Pieter Abbeel

In Poster Session 4

[  OpenReview ]

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Poster

## **In the Eye of the Beholder: Robust Prediction with Causal User Modeling**

Amir Feder · Guy Horowitz · Yoav Wald · Roi Reichart · Nir Rosenfeld

In Poster Session 4

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Poster

## **Autoregressive Perturbations for Data Poisoning**

Pedro Sandoval-Segura · Vasu Singla · Jonas Geiping · Micah Goldblum · Tom Goldstein · David Jacobs

In Poster Session 4

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #407

Poster

## **Generalization Analysis of Message Passing Neural Networks on Large Random Graphs**

Sohir Maskey · Ron Levie · Yunseok Lee · Gitta Kutyniok

In Poster Session 4

[ [OpenReview](#) ]

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Poster

## **Local Metric Learning for Off-Policy Evaluation in Contextual Bandits with Continuous Actions**

Haanvid Lee · Jongmin Lee · Yunseon Choi · Wonseok Jeon · Byung-Jun Lee · Yung-Kyun Noh · Kee-Eung Kim In Poster Session 4

[ [Slides](#) ] [ [Poster](#) ] [ [OpenReview](#) ]

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Poster

## **Learning Two-Player Markov Games: Neural Function Approximation and Correlated Equilibrium**

Chris Junchi Li · Dongruo Zhou · Quanquan Gu · Michael Jordan

In Poster Session 4

[ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #404

Poster

## **Bayesian Optimization over Discrete and Mixed Spaces via Probabilistic Reparameterization**

Samuel Daulton · Xingchen Wan · David Eriksson · Maximilian Balandat · Michael A Osborne · Eytan Bakshy In Poster Session 4

[ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #403

Poster

## **Grounding Aleatoric Uncertainty for Unsupervised Environment Design**

Minqi Jiang · Michael Dennis · Jack Parker-Holder · Andrei Lupu · Heinrich Küttler · Edward Grefenstette · Tim Rocktäschel · Jakob Foerster In Poster Session 4

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #402

Poster

## **BOME! Bilevel Optimization Made Easy: A Simple First-Order Approach**

Bo Liu · Mao Ye · Stephen Wright · Peter Stone · Qiang Liu

In Poster Session 4

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #502

Poster

## **A Theoretical Framework for Inference Learning**

Nick Alonso · Beren Millidge · Jeffrey Krichmar · Emre O Neftci

In Poster Session 4

[ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #503

Poster

## **High-dimensional Additive Gaussian Processes under Monotonicity Constraints**

Andrés López-Lopera · Francois Bachoc · Olivier Roustant

In Poster Session 4

[ [Poster](#) ] [ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #504

Poster

## **On the generalization of learning algorithms that do not converge**

Nisha Chandramoorthy · Andreas Loukas · Khashayar Gatmiry · Stefanie Jegelka

In Poster Session 4

[ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #505

Poster

## **Proppo: a Message Passing Framework for Customizable and Composable Learning Algorithms**

Paavo Parmas · Takuma Seno

In Poster Session 4

[ [OpenReview](#) ]

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Poster

## **Film-Ensemble: Probabilistic Deep Learning via Feature-wise Linear Modulation**

Mehmet Ozgur Turkoglu · Alexander Becker · Hüseyin Anil Gündüz · Mina Rezaei · Bernd Bischl · Rodrigo Caye In Poster Session 4  
Daudt · Stefano D'Aronco · Jan Wegner · Konrad Schindler

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Poster

## **Reinforcement Learning with Non-Exponential Discounting**

Matthias Schultheis · Constantin Rothkopf · Heinz Koepli

In Poster Session 4

[ [OpenReview](#) ]

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Poster

## **A Multi-Resolution Framework for U-Nets with Applications to Hierarchical VAEs**

Fabian Falck · Christopher Williams · Dominic Danks · George Deligiannidis · Christopher Yau · Chris C Holmes · In Poster Session 4  
Arnaud Doucet · Matthew Willetts

[ [OpenReview](#) ]

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Poster

## **A Lagrangian Duality Approach to Active Learning**

Juan Elenter · Navid Naderializadeh · Alejandro Ribeiro

In Poster Session 4

[ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #510

Poster

## **Non-identifiability and the Blessings of Misspecification in Models of Molecular Fitness**

Eli Weinstein · Alan Amin · Jonathan Frazer · Debora Marks

In Poster Session 4

[ [OpenReview](#) ]

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Poster

## **Uncalibrated Models Can Improve Human-AI Collaboration**

Kailas Vodrahalli · Tobias Gerstenberg · James Zou

In Poster Session 4

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Poster

## **Increasing Confidence in Adversarial Robustness Evaluations**

Roland S. Zimmermann · Wieland Brendel · Florian Tramer · Nicholas Carlini

In Poster Session 4

[ [OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #513

Poster

## **Procedural Image Programs for Representation Learning**

Manel Baradad · Richard Chen · Jonas Wulff · Tongzhou Wang · Rogerio Feris · Antonio Torralba · Phillip Isola In Poster Session 4

[  OpenReview ]

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Poster

## **Structuring Representations Using Group Invariants**

Mehran Shakerinava · Arnab Kumar Mondal · Siamak Ravanbakhsh

In Poster Session 4

[  OpenReview ]

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Poster

## **Most Activation Functions Can Win the Lottery Without Excessive Depth**

Rebekka Burkholz

In Poster Session 4

[  OpenReview ]

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Poster

## **Structural Kernel Search via Bayesian Optimization and Symbolical Optimal Transport**

Matthias Bitzer · Mona Meister · Christoph Zimmer

In Poster Session 4

[  Poster ] [  OpenReview ]

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Poster

## **Faster Deep Reinforcement Learning with Slower Online Network**

Kavosh Asadi · Rasool Fakoor · Omer Gottesman · Taesup Kim · Michael Littman · Alexander Smola

In Poster Session 4

[  OpenReview ]

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## **Online Reinforcement Learning for Mixed Policy Scopes**

Junzhe Zhang · Elias Bareinboim

In Poster Session 4

[  OpenReview ]

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Poster

## **What are the best Systems? New Perspectives on NLP Benchmarking**

Pierre Colombo · Nathan Noiry · Ekhine Irurozki · Stephan Cléménçon

In Poster Session 4

[  OpenReview ]

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Poster

## **ALMA: Hierarchical Learning for Composite Multi-Agent Tasks**

Shariq Iqbal · Robby Costales · Fei Sha

In Poster Session 4

[  OpenReview ]

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Poster

## **Intra-agent speech permits zero-shot task acquisition**

Chen Yan · Federico Carnevale · Petko I Georgiev · Adam Santoro · Aurelia Guy · Alistair Muldal · Chia-Chun Hung · Joshua Abramson · Timothy Lillicrap · Gregory Wayne In Poster Session 4

[  OpenReview ]

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Poster

## **Deep Multi-Modal Structural Equations For Causal Effect Estimation With Unstructured Proxies**

Shachi Deshpande · Kaiwen Wang · Dhruv Sreenivas · Zheng Li · Volodymyr Kuleshov

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #523

Poster

## **Hybrid Neural Autoencoders for Stimulus Encoding in Visual and Other Sensory Neuroprostheses**

Jacob Granley · Lucas Relic · Michael Beyeler

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #524

Poster

## **Data Distributional Properties Drive Emergent In-Context Learning in Transformers**

Stephanie Chan · Adam Santoro · Andrew Lampinen · Jane Wang · Aaditya Singh · Pierre Richemond · James McClelland · Felix Hill

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #525

Poster

## **Drawing out of Distribution with Neuro-Symbolic Generative Models**

Yichao Liang · Josh Tenenbaum · Tuan Anh Le · Siddharth N

In Poster Session 4

[  OpenReview ]

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Poster

## **Semantic Field of Words Represented as Non-Linear Functions**

Xin Du · Kumiko Tanaka-Ishii

In Poster Session 4

[  OpenReview ]

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Poster

## **Do Current Multi-Task Optimization Methods in Deep Learning Even Help?**

Derrick Xin · Behrooz Ghorbani · Justin Gilmer · Ankush Garg · Orhan Firat

In Poster Session 4

[  OpenReview ]

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Poster

## **Diffusion Models as Plug-and-Play Priors**

Alexandros Graikos · Nikolay Malkin · Nebojsa Jojic · Dimitris Samaras

In Poster Session 4

[  OpenReview ]

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Poster

## **ESCADA: Efficient Safety and Context Aware Dose Allocation for Precision Medicine**

Ilker Demirel · Ahmet Alparslan Celik · Cem Tekin

In Poster Session 4

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## **Robust Bayesian Regression via Hard Thresholding**

Fan zheyi · Zhaohui Li · Qingpei Hu

In Poster Session 4

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## **Optimal-er Auctions through Attention**

Dmitry Ivanov · Iskander Safiulin · Igor Filippov · Ksenia Balabaeva

In Poster Session 4

[  OpenReview ]

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Poster

## **Multi-Fidelity Best-Arm Identification**

Riccardo Poiani · Alberto Maria Metelli · Marcello Restelli

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #533

Poster

### **Adaptive Oracle-Efficient Online Learning**

Guanghui Wang · Zihao Hu · Vidya Muthukumar · Jacob Abernethy

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #534

Poster

### **Towards Consistency in Adversarial Classification**

Laurent Meunier · Raphael Ettedgui · Rafael Pinot · Yann Chevaleyre · Jamal Atif

In Poster Session 4

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Poster

### **Phase diagram of Stochastic Gradient Descent in high-dimensional two-layer neural networks**

Rodrigo Veiga · Ludovic Stephan · Bruno Loureiro · Florent Krzakala · Lenka Zdeborová

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #536

Poster

### **Beyond Adult and COMPAS: Fair Multi-Class Prediction via Information Projection**

Wael Alghamdi · Hsiang Hsu · Haewon Jeong · Hao Wang · Peter Michalak · Shahab Asoodeh · Flavio Calmon In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #537

Poster

### **Multi-block Min-max Bilevel Optimization with Applications in Multi-task Deep AUC Maximization**

Quanqi Hu · YONGJIAN ZHONG · Tianbao Yang

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #538

Poster

### **A Single-timescale Analysis for Stochastic Approximation with Multiple Coupled Sequences**

Han Shen · Tianyi Chen

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #539

Poster

### **A Simple and Provably Efficient Algorithm for Asynchronous Federated Contextual Linear Bandits**

Jiafan He · Tianhao Wang · Yifei Min · Quanquan Gu

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #540

Poster

### **Evaluated CMI Bounds for Meta Learning: Tightness and Expressiveness**

Fredrik Hellström · Giuseppe Durisi

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #541

Poster

### **Discrete-Convex-Analysis-Based Framework for Warm-Starting Algorithms with Predictions**

Shinsaku Sakaue · Taihei Oki

In Poster Session 4

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Poster

**projUNN: efficient method for training deep networks with unitary matrices**

Bobak Kiani · Randall Balestrieri · Yann LeCun · Seth Lloyd

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #642

Poster

**$\alpha$ -ReQ : Assessing Representation Quality in Self-Supervised Learning by measuring eigenspectrum decay**

Kumar K Agrawal · Arnab Kumar Mondal · Arna Ghosh · Blake Richards

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #641

Poster

**Structural Knowledge Distillation for Object Detection**

Philip de Rijk · Lukas Schneider · Marius Cordts · Dariu Gavrila

In Poster Session 4

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Poster

**Scalable Interpretability via Polynomials**

Abhimanyu Dubey · Filip Radenovic · Dhruv Mahajan

In Poster Session 4

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Poster

**An empirical analysis of compute-optimal large language model training**

Jordan Hoffmann · Sebastian Borgeaud · Arthur Mensch · Elena Buchatskaya · Trevor Cai · Eliza Rutherford · In Poster Session 4  
Diego de Las Casas · Lisa Anne Hendricks · Johannes Welbl · Aidan Clark · Thomas Hennigan · Eric Noland · Katherine Millican ·  
George van den Driessche · Bogdan Damoc · Aurelia Guy · Simon Osindero · Karen Simonyan · Erich Elsen · Oriol Vinyals · Jack  
Rae · Laurent Sifre

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Poster

**Object Scene Representation Transformer**

Mehdi S. M. Sajjadi · Daniel Duckworth · Aravindh Mahendran · Sjoerd van Steenkiste · Filip Pavetic · Mario Lucic · Leonidas Guibas · Klaus Greff · Thomas Kipf · In Poster Session 4

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Poster

**Generative Neural Articulated Radiance Fields**

Alexander Bergman · Petr Kellnhofer · Wang Yifan · Eric Chan · David Lindell · Gordon Wetzstein · In Poster Session 4

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Poster

**Hand-Object Interaction Image Generation**

Hezhen Hu · Weilun Wang · Wengang Zhou · Houqiang Li · In Poster Session 4

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Poster

**Paraphrasing Is All You Need for Novel Object Captioning**

Cheng-Fu Yang · Yao-Hung Hubert Tsai · Wan-Cyuan Fan · Russ Salakhutdinov · Louis-Philippe Morency · Frank Wang · In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #634

Poster

## **A Theoretical Study on Solving Continual Learning**

Gyuhan Kim · Changnan Xiao · Tatsuya Konishi · Zixuan Ke · Bing Liu

In Poster Session 4

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Poster

## **RecursiveMix: Mixed Learning with History**

Lingfeng Yang · Xiang Li · Borui Zhao · Renjie Song · Jian Yang

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #632

Poster

## **Uni-Perceiver-MoE: Learning Sparse Generalist Models with Conditional MoEs**

Jinguo Zhu · Xizhou Zhu · Wenhui Wang · Xiaohua Wang · Hongsheng Li · Xiaogang Wang · Jifeng Dai In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #631

Poster

## **GMMSeg: Gaussian Mixture based Generative Semantic Segmentation Models**

Chen Liang · Wenguan Wang · Jiaxu Miao · Yi Yang

In Poster Session 4

[  OpenReview ]

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Poster

## **Multiview Human Body Reconstruction from Uncalibrated Cameras**

Zhixuan Yu · Linguang Zhang · Yuanlu Xu · Chengcheng Tang · LUAN TRAN · Cem Keskin · Hyun Soo Park In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #629

Poster

## **Multivariate Time-Series Forecasting with Temporal Polynomial Graph Neural Networks**

Yijing Liu · Qinxian Liu · Jian-Wei Zhang · Haozhe Feng · Zhongwei Wang · Zihan Zhou · Wei Chen In Poster Session 4

[  OpenReview ]

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Poster

## **RainNet: A Large-Scale Imagery Dataset and Benchmark for Spatial Precipitation**

### **Downscaling**

Xuanhong Chen · Kairui Feng · Naiyuan Liu · Bingbing Ni · Yifan Lu · Zhengyan Tong · Ziang Liu

In Poster Session 4

[  OpenReview ]

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Poster

## **Alleviating Posterior Collapse" in Deep Topic Models via Policy Gradient**

Yewen Li · Chaojie Wang · Zhibin Duan · Dongsheng Wang · Bo Chen · Bo An · Mingyuan Zhou In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #626

Poster

## **Refining Low-Resource Unsupervised Translation by Language Disentanglement of Multilingual Translation Model**

Xuan-Phi Nguyen · Shafiq Joty · Kui Wu · Ai Ti Aw In Poster Session 4

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Poster

## **ZeroC: A Neuro-Symbolic Model for Zero-shot Concept Recognition and Acquisition at Inference Time**

[ Slides ] [ ⚡ OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #624

Poster

## **Beyond accuracy: generalization properties of bio-plausible temporal credit assignment rules**

Yuhan Helena Liu · Arna Ghosh · Blake Richards · Eric Shea-Brown · Guillaume Lajoie

In Poster Session 4

[ ⚡ OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #623

Poster

## **What Can the Neural Tangent Kernel Tell Us About Adversarial Robustness?**

Nikolaos Tsilivis · Julia Kempe

In Poster Session 4

[ ⚡ OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #622

Poster

## **Understanding Hyperdimensional Computing for Parallel Single-Pass Learning**

Tao Yu · Yichi Zhang · Zhiru Zhang · Christopher De Sa

In Poster Session 4

[ ⚡ OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #621

Poster

## **Injecting Domain Knowledge from Empirical Interatomic Potentials to Neural Networks for Predicting Material Properties**

Zeren Shui · Daniel Karls · Mingjian Wen · ilia Nikiforov · Ellad Tadmor · George Karypis

In Poster Session 4

[ ⚡ OpenReview ]

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Poster

## **Accelerating Sparse Convolution with Column Vector-Wise Sparsity**

Yijun Tan · Kai Han · Kang Zhao · Xianzhi Yu · Zidong Du · Yunji Chen · Yunhe Wang · Jun Yao

In Poster Session 4

[ Poster ] [ ⚡ OpenReview ]

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Poster

## **Exact Shape Correspondence via 2D graph convolution**

Barakeel Fanseu Kamhoua · Lin Zhang · Yongqiang Chen · Han Yang · MA Kaili · Bo Han · Bo Li · James Cheng In Poster Session 4

[ Poster ] [ ⚡ OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #618

Poster

## **Global Optimal K-Medoids Clustering of One Million Samples**

Jiayang Ren · Kaixun Hua · Yankai Cao

In Poster Session 4

[ Slides ] [ Poster ] [ ⚡ OpenReview ]

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Poster

## **Clipped Stochastic Methods for Variational Inequalities with Heavy-Tailed Noise**

Eduard Gorbunov · Marina Danilova · David Dobre · Pavel Dvurechenskii · Alexander Gasnikov · Gauthier Gidel In Poster Session 4

[ Poster ] [ ⚡ OpenReview ]

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Poster

## **Sample-Efficient Reinforcement Learning of Partially Observable Markov Games**

Qinghua Liu · Csaba Szepesvari · Chi Jin

In Poster Session 4

[ ⚡ OpenReview ]

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Poster

## **FasterRisk: Fast and Accurate Interpretable Risk Scores**

Jiachang Liu · Chudi Zhong · Boxuan Li · Margo Seltzer · Cynthia Rudin

In Poster Session 4

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## **LieGG: Studying Learned Lie Group Generators**

Artem Moskalev · Anna Sepliarskaia · Ivan Sosnovik · Arnold Smeulders

In Poster Session 4

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Poster

## **Shield Decentralization for Safe Multi-Agent Reinforcement Learning**

Daniel Melcer · Christopher Amato · Stavros Tripakis

In Poster Session 4

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Poster

## **Explaining a Reinforcement Learning Agent via Prototyping**

Ronilo Ragodos · Tong Wang · Qihang Lin · Xun Zhou

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #611

Poster

## **On the Generalizability and Predictability of Recommender Systems**

Duncan McElfresh · Sujay Khandagale · Jonathan Valverde · John Dickerson · Colin White

In Poster Session 4

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Poster

## **Adversarial Unlearning: Reducing Confidence Along Adversarial Directions**

Amrith Setlur · Benjamin Eysenbach · Virginia Smith · Sergey Levine

In Poster Session 4

[ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #609

Poster

## **Neurosymbolic Deep Generative Models for Sequence Data with Relational Constraints**

Halley Young · Maxwell Du · Osbert Bastani

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #608

Poster

## **Memory Efficient Continual Learning with Transformers**

Beyza Ermis · Giovanni Zappella · Martin Wistuba · Aditya Rawal · Cedric Archambeau

In Poster Session 4

[ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #607

Poster

## **Inverse Design for Fluid-Structure Interactions using Graph Network Simulators**

Kelsey Allen · Tatiana Lopez-Guevara · Kimberly Stachenfeld · Alvaro Sanchez Gonzalez · Peter Battaglia · In Poster Session 4

Jessica Hamrick · Tobias Pfaff

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Poster

## **Cross-modal Learning for Image-Guided Point Cloud Shape Completion**

Emanuele Aiello · Diego Valsesia · Enrico Magli

In Poster Session 4

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## **Beyond Mahalanobis Distance for Textual OOD Detection**

Pierre Colombo · Eduardo Dadalto · Guillaume Staerman · Nathan Noiry · Pablo Piantanida

In Poster Session 4

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## **Panchromatic and Multispectral Image Fusion via Alternating Reverse Filtering Network**

Keyu Yan · Man Zhou · Jie Huang · Feng Zhao · Chengjun Xie · Chongyi Li · Danfeng Hong

In Poster Session 4

[ Slides ] [ Poster ] [  OpenReview ]

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Poster

## **Extrapolation and Spectral Bias of Neural Nets with Hadamard Product: a Polynomial Net Study**

Yongtao Wu · Zhenyu Zhu · Fanghui Liu · Grigoris Chrysos · Volkan Cevher

In Poster Session 4

[  OpenReview ]

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Poster

## **Tight Analysis of Extra-gradient and Optimistic Gradient Methods For Nonconvex Minimax Problems**

Pouria Mahdavinia · Yuyang Deng · Haochuan Li · Mehrdad Mahdavi

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #701

Poster

## **Look More but Care Less in Video Recognition**

Yitian Zhang · Yue Bai · Huan Wang · Yi Xu · Yun Fu

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #702

Poster

## **Weakly-Supervised Multi-Granularity Map Learning for Vision-and-Language Navigation**

Peihao Chen · Dongyu Ji · Kunyang Lin · Runhao Zeng · Thomas Li · Mingkui Tan · Chuang Gan

In Poster Session 4

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## **APG: Adaptive Parameter Generation Network for Click-Through Rate Prediction**

Bencheng Yan · Pengjie Wang · Kai Zhang · Feng Li · Hongbo Deng · Jian Xu · Bo Zheng

In Poster Session 4

[  OpenReview ]

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Poster

## **Rethinking the Reverse-engineering of Trojan Triggers**

Zhenting Wang · Kai Mei · Hailun Ding · Juan Zhai · Shiqing Ma

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #705

Poster

## **The Mechanism of Prediction Head in Non-contrastive Self-supervised Learning**

Zixin Wen · Yuanzhi Li

In Poster Session 4

[  OpenReview ]

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Poster

## **Exploring evolution-aware & -free protein language models as protein function predictors**

Mingyang Hu · Fajie Yuan · Kevin Yang · Fusong Ju · Jin Su · Hui Wang · Fei Yang · Qiuyang Ding

In Poster Session 4

[  OpenReview ]

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## **M<sup>4</sup>I: Multi-modal Models Membership Inference**

Pingyi Hu · Zihan Wang · Ruoxi Sun · Hu Wang · Minhui Xue

In Poster Session 4

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## **Deep Model Reassembly**

Xingyi Yang · Daquan Zhou · Songhua Liu · Jingwen Ye · Xinchao Wang

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #709

Poster

## **Incorporating Bias-aware Margins into Contrastive Loss for Collaborative Filtering**

An Zhang · Wenchang Ma · Xiang Wang · Tat-Seng Chua

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #710

Poster

## **Stochastic Multiple Target Sampling Gradient Descent**

Hoang Phan · Ngoc Tran · Trung Le · Toan Tran · Nhat Ho · Dinh Phung

In Poster Session 4

[  Poster ] [  OpenReview ]

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Poster

## **Probable Domain Generalization via Quantile Risk Minimization**

Cian Eastwood · Alexander Robey · Shashank Singh · Julius von Kügelgen · Hamed Hassani · George J. Pappas · Bernhard Schölkopf

In Poster Session 4

[  OpenReview ]

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Poster

## **Fair and Optimal Decision Trees: A Dynamic Programming Approach**

Jacobus van der Linden · Mathijs de Weerdt · Emir Demirović

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #713

Poster

## **An Information-Theoretic Framework for Deep Learning**

Hong Jun Jeon · Benjamin Van Roy

In Poster Session 4

[  OpenReview ]

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Poster

## **Learning Tractable Probabilistic Models from Inconsistent Local Estimates**

Shasha Jin · Vasundhara Komaragiri · Tahrima Rahman · Vibhav Gogate

In Poster Session 4

[  OpenReview ]

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Poster

## **Domain Adaptation meets Individual Fairness. And they get along.**

Debarghya Mukherjee · Felix Petersen · Mikhail Yurochkin · Yuekai Sun

In Poster Session 4

[  OpenReview ]

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## **Recurrent Convolutional Neural Networks Learn Succinct Learning Algorithms**

Surbhi Goel · Sham Kakade · Adam Kalai · Cyril Zhang

In Poster Session 4

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Poster

## **Interventions, Where and How? Experimental Design for Causal Models at Scale**

Panagiotis Tigas · Yashas Annadani · Andrew Jesson · Bernhard Schölkopf · Yarin Gal · Stefan Bauer

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## **On A Mallows-type Model For (Ranked) Choices**

Yifan Feng · Yuxuan Tang

In Poster Session 4

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## **Forward-Backward Latent State Inference for Hidden Continuous-Time semi-Markov Chains**

Nicolai Engelmann · Heinz Koepll

In Poster Session 4

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Poster

## **Regret Bounds for Risk-Sensitive Reinforcement Learning**

Osbert Bastani · Jason Yecheng Ma · Estelle Shen · Wanqiao Xu

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #722

Poster

## **Rate-Optimal Online Convex Optimization in Adaptive Linear Control**

Asaf Benjamin Cassel · Alon Peled-Cohen · Tomer Koren

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #723

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## **Zonotope Domains for Lagrangian Neural Network Verification**

Matt Jordan · Jonathan Hayase · Alex Dimakis · Sewoong Oh

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Poster

## **Generalizing Bayesian Optimization with Decision-theoretic Entropies**

Willie Neiswanger · Lantao Yu · Shengjia Zhao · Chenlin Meng · Stefano Ermon

In Poster Session 4

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Poster

## **Regularized Gradient Descent Ascent for Two-Player Zero-Sum Markov Games**

Sihan Zeng · Thinh Doan · Justin Romberg

In Poster Session 4

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## **Wasserstein Logistic Regression with Mixed Features**

Aras Selvi · Mohammad Reza Belbasi · Martin Haugh · Wolfram Wiesemann

In Poster Session 4

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## **The Role of Baselines in Policy Gradient Optimization**

Jincheng Mei · Wesley Chung · Valentin Thomas · Bo Dai · Csaba Szepesvari · Dale Schuurmans

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## **Active Learning Polynomial Threshold Functions**

Omri Ben-Eliezer · Max Hopkins · Chutong Yang · Hantao Yu

In Poster Session 4

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## **Quantile Constrained Reinforcement Learning: A Reinforcement Learning Framework**

### **Constraining Outage Probability**

Whiyoung Jung · Myungsik Cho · Jongeui Park · Youngchul Sung

In Poster Session 4

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## **Generalised Implicit Neural Representations**

Daniele Grattarola · Pierre Vandergheynst

In Poster Session 4

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## **Score-Based Generative Models Detect Manifolds**

Jakiw Pidstrigach

In Poster Session 4

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Poster

## **Mixture-of-Experts with Expert Choice Routing**

Yanqi Zhou · Tao Lei · Hanxiao Liu · Nan Du · Yanping Huang · Vincent Zhao · Andrew Dai · zhifeng Chen · QuocIn Poster Session 4 V Le · James Laudon

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## **Coresets for Relational Data and The Applications**

Jiaxiang Chen · Qingyuan Yang · Ruomin Huang · Hu Ding

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #735

Poster

## **Factored Adaptation for Non-Stationary Reinforcement Learning**

Fan Feng · Biwei Huang · Kun Zhang · Sara Magliacane

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #736

Poster

## **Counterfactual harm**

Jonathan Richens · Rory Beard · Daniel H. Thompson

In Poster Session 4

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Poster

## **Addressing Leakage in Concept Bottleneck Models**

Marton Havasi · Sonali Parbhoo · Finale Doshi-Velez

In Poster Session 4

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## **Compositional generalization through abstract representations in human and artificial neural networks**

Takuya Ito · Tim Klinger · Doug Schultz · John Murray · Michael Cole · Mattia Rigotti

In Poster Session 4

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Poster

### ***Efficient coding, channel capacity, and the emergence of retinal mosaics***

Na Young Jun · Greg Field · John Pearson

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #740

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### ***Learning in Congestion Games with Bandit Feedback***

Qiwen Cui · Zhihan Xiong · Maryam Fazel · Simon Du

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #741

Poster

### ***Optimal Weak to Strong Learning***

Kasper Green Larsen · Martin Ritzert

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #842

Poster

### ***Log-Linear-Time Gaussian Processes Using Binary Tree Kernels***

Michael Cohen · Samuel Daulton · Michael A Osborne

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #841

Poster

### ***Sharp Analysis of Stochastic Optimization under Global Kurdyka-Łojasiewicz Inequality***

Ilyas Fatkhullin · Jalal Etesami · Niao He · Negar Kiyavash

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #840

Poster

### ***Learning Distributions Generated by Single-Layer ReLU Networks in the Presence of Arbitrary Outliers***

Saikiran Bulusu · Geethu Joseph · M. Cenk Gursoy · Pramod Varshney

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #839

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### ***Instance-optimal PAC Algorithms for Contextual Bandits***

Zhaoqi Li · Lillian Ratliff · houssam nassif · Kevin Jamieson · Lalit Jain

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #838

Poster

### ***Learning the Structure of Large Networked Systems Obeying Conservation Laws***

Anirudh Rayas · Rajasekhar Anguluri · Gautam Dasarathy

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #837

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### ***Local Linear Convergence of Gradient Methods for Subspace Optimization via Strict Complementarity***

Ron Fisher · Dan Garber

In Poster Session 4

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Poster

### ***A Near-Optimal Primal-Dual Method for Off-Policy Learning in CMDP***

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #835

Poster

**The alignment property of SGD noise and how it helps select flat minima: A stability analysis**

Lei Wu · Mingze Wang · Weijie Su

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #834

Poster

**Weisfeiler and Leman Go Walking: Random Walk Kernels Revisited**

Nils M. Kriege

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #833

Poster

**Polynomial-Time Optimal Equilibria with a Mediator in Extensive-Form Games**

Brian Zhang · Tuomas Sandholm

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #831

Poster

**An  $\alpha$ -regret analysis of Adversarial Bilateral Trade**

Yossi Azar · Amos Fiat · Federico Fusco

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #830

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**Algorithms and Hardness for Learning Linear Thresholds from Label Proportions**

Rishi Saket

In Poster Session 4

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Poster

**Decomposable Non-Smooth Convex Optimization with Nearly-Linear Gradient Oracle Complexity**

Sally Dong · Haotian Jiang · Yin Tat Lee · Swati Padmanabhan · Guanghao Ye

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #828

Poster

**Optimal Query Complexities for Dynamic Trace Estimation**

David Woodruff · Fred Zhang · Richard Zhang

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #827

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**On Scalable Testing of Samplers**

Yash Pote · Kuldeep S Meel

In Poster Session 4

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**Private Isotonic Regression**

Badih Ghazi · Pritish Kamath · Ravi Kumar · Pasin Manurangsi

In Poster Session 4

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## **Neural network architecture beyond width and depth**

Shijun Zhang · Zuowei Shen · Haizhao Yang

In Poster Session 4

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## **Faster and Scalable Algorithms for Densest Subgraph and Decomposition**

Elfarouk Harb · Kent Quanrud · Chandra Chekuri

In Poster Session 4

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## **Differentially Private Covariance Revisited**

Wei Dong · Yuting Liang · Ke Yi

In Poster Session 4

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## **A Fourier Approach to Mixture Learning**

Mingda Qiao · Guru Guruganesh · Ankit Rawat · Kumar Avinava Dubey · Manzil Zaheer

In Poster Session 4

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## **On Non-Linear operators for Geometric Deep Learning**

Grégoire Sergeant-Perthuis · Jakob Maier · Joan Bruna · Edouard Oyallon

In Poster Session 4

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## **Linear Label Ranking with Bounded Noise**

Dimitris Fotakis · Alkis Kalavasis · Vasilis Kontonis · Christos Tzamos

In Poster Session 4

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## **Estimation of Entropy in Constant Space with Improved Sample Complexity**

Maryam Aliakbarpour · Andrew McGregor · Jelani Nelson · Erik Waingarten

In Poster Session 4

[  OpenReview ]

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## **Efficient Sampling on Riemannian Manifolds via Langevin MCMC**

Xiang Cheng · Jingzhao Zhang · Suvrit Sra

In Poster Session 4

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Poster

## **Near-Optimal Regret for Adversarial MDP with Delayed Bandit Feedback**

Tiancheng Jin · Tal Lancewicki · Haipeng Luo · Yishay Mansour · Aviv Rosenberg

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #816

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## **Understanding Deep Neural Function Approximation in Reinforcement Learning via $\epsilon$ -Greedy Exploration**

Fanghui Liu · Luca Viano · Volkan Cevher

In Poster Session 4

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Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #815

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**Communication-efficient distributed eigenspace estimation with arbitrary node failures**

Vasileios Charisopoulos · Anil Damle

In Poster Session 4

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Poster

**Implicit Bias of Gradient Descent on Reparametrized Models: On Equivalence to Mirror Descent**

Zhiyuan Li · Tianhao Wang · Jason Lee · Sanjeev Arora

In Poster Session 4

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**Causal Discovery in Linear Latent Variable Models Subject to Measurement Error**

Yuqin Yang · AmirEmad Ghassami · Mohamed Nafea · Negar Kiyavash · Kun Zhang · Ilya Shpitser

In Poster Session 4

[  OpenReview ]

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**Log-Concave and Multivariate Canonical Noise Distributions for Differential Privacy**

Jordan Awan · Jinshuo Dong

In Poster Session 4

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**A Quadrature Rule combining Control Variates and Adaptive Importance Sampling**

Rémi Leluc · François Portier · Johan Segers · Aigerim Zhuman

In Poster Session 4

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**Decision Trees with Short Explainable Rules**

Victor Feitosa Souza · Ferdinando Cicalese · Eduardo Laber · Marco Molinaro

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #809

Poster

**Task-level Differentially Private Meta Learning**

Xinyu Zhou · Raef Bassily

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #808

Poster

**Zeroth-Order Hard-Thresholding: Gradient Error vs. Expansivity**

William de Vazelhes · Hualin Zhang · Huimin Wu · Xiaotong Yuan · Bin Gu

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #807

Poster

**Robust Imitation via Mirror Descent Inverse Reinforcement Learning**

Dong-Sig Han · Hyunseo Kim · Hyundo Lee · JeHwan Ryu · Byoung-Tak Zhang

In Poster Session 4

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #806

Poster

**Learning Partial Equivariances From Data**

David W. Romero · Suhas Lohit

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #805

Poster

## **Exploitability Minimization in Games and Beyond**

Denizalp Goktas · Amy Greenwald

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #804

Poster

## **Communication-Efficient Topologies for Decentralized Learning with $O(1)$ Consensus Rate**

Zhuoqing Song · Weijian Li · Kexin Jin · Lei Shi · Ming Yan · Wotao Yin · Kun Yuan

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #803

Poster

## **Hardness in Markov Decision Processes: Theory and Practice**

Michelangelo Conserva · Paulo Rauter

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #802

Poster

## **Finding Optimal Arms in Non-stochastic Combinatorial Bandits with Semi-bandit Feedback and Finite Budget**

Jasmin Brandt · Viktor Bengs · Björn Haddenhörst · Eyke Hüllermeier

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #801

Poster

## **Decoupled Context Processing for Context Augmented Language Modeling**

Zonglin Li · Ruiqi Guo · Sanjiv Kumar

In Poster Session 4

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #800

Poster

## **PerfectDou: Dominating DouDizhu with Perfect Information Distillation**

Guan Yang · Minghuan Liu · Weijun Hong · Weinan Zhang · Fei Fang · Guangjun Zeng · Yue Lin

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #900

Poster

## **Neural Transmitted Radiance Fields**

Chengxuan Zhu · Renjie Wan · Boxin Shi

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #901

Poster

## **Self-Supervised Pretraining for Large-Scale Point Clouds**

Zaiwei Zhang · Min Bai · Li Erran Li

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #902

Poster

## **GALOIS: Boosting Deep Reinforcement Learning via Generalizable Logic Synthesis**

Yushi Cao · Zhiming Li · Tianpei Yang · Hao Zhang · YAN ZHENG · Yi Li · Jianye Hao · Yang Liu

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #903

Poster

## **Streaming Radiance Fields for 3D Video Synthesis**

Lingzhi LI · Zhen Shen · Zhongshu Wang · Li Shen · Ping Tan

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #904

Poster

## **MACE: Higher Order Equivariant Message Passing Neural Networks for Fast and Accurate Force Fields**

Ilyes Batatia · David P Kovacs · Gregor Simm · Christoph Ortner · Gabor Csanyi

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #905

Poster

## **Analyzing Data-Centric Properties for Graph Contrastive Learning**

Puja Trivedi · Ekdeep S Lubana · Mark Heimann · Danai Koutra · Jayaraman Thiagarajan

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #906

Poster

## **On the Limitations of Stochastic Pre-processing Defenses**

Yue Gao · I Shumailov · Kassem Fawaz · Nicolas Papernot

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #907

Poster

## **Hedging as Reward Augmentation in Probabilistic Graphical Models**

Debarun Bhattacharjya · Radu Marinescu

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #908

Poster

## **Riemannian Score-Based Generative Modelling**

Valentin De Bortoli · Emile Mathieu · Michael Hutchinson · James Thornton · Yee Whye Teh · Arnaud Doucet

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #909

Poster

## **On the Spectral Bias of Convolutional Neural Tangent and Gaussian Process Kernels**

Amnon Geifman · Meirav Galun · David Jacobs · Basri Ronen

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #910

Poster

## **Causality Preserving Chaotic Transformation and Classification using Neurochaos Learning**

Harikrishnan N B · Aditi Kathpalia · Nithin Nagaraj

In Poster Session 4

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #911

Poster

## **Exploring through Random Curiosity with General Value Functions**

Aditya Ramesh · Louis Kirsch · Sjoerd van Steenkiste · Jürgen Schmidhuber

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #912

Poster

## **Masked Autoencoders that Listen**

Po-Yao Huang · Hu Xu · Juncheng Li · Alexei Baevski · Michael Auli · Wojciech Galuba · Florian Metze ·

In Poster Session 4

Christoph Feichtenhofer

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #913

Poster

## **Sharing Knowledge for Meta-learning with Feature Descriptions**

Tomoharu Iwata · Atsutoshi Kumagai

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #914

Poster

## **ReFactor GNNs: Revisiting Factorisation-based Models from a Message-Passing Perspective**

Yihong Chen · Pushkar Mishra · Luca Franceschi · Pasquale Minervini · Pontus Lars Erik Saito Stenetorp · Sebastian Riedel

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #915

Poster

## **New Definitions and Evaluations for Saliency Methods: Staying Intrinsic, Complete and Sound**

Arushi Gupta · Nikunj Saunshi · Dingli Yu · Kaifeng Lyu · Sanjeev Arora

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #916

Poster

## **Non-Markovian Reward Modelling from Trajectory Labels via Interpretable Multiple Instance Learning**

Joseph Early · Tom Bewley · Christine Evers · Sarvapali Ramchurn

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #917

Poster

## **FlashAttention: Fast and Memory-Efficient Exact Attention with IO-Awareness**

Tri Dao · Dan Fu · Stefano Ermon · Atri Rudra · Christopher Ré

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #918

Poster

## **Conditional Diffusion Process for Inverse Halftoning**

Hao Jiang · Yadong Mu

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #919

Poster

## **Prompt Certified Machine Unlearning with Randomized Gradient Smoothing and Quantization**

Zijie Zhang · Yang Zhou · Xin Zhao · Tianshi Che · Lingjuan Lyu

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #920

Poster

## **Training language models to follow instructions with human feedback**

Long Ouyang · Jeffrey Wu · Xu Jiang · Diogo Almeida · Carroll Wainwright · Pamela Mishkin · Chong Zhang · Sandhini Agarwal · Katarina Slama · Alex Ray · John Schulman · Jacob Hilton · Fraser Kelton · Luke Miller · Maddie Simens · Amanda Askell · Peter Welinder · Paul Christiano · Jan Leike · Ryan Lowe

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #921

Poster

## **Learning to Accelerate Partial Differential Equations via Latent Global Evolution**

Tailin Wu · Takashi Maruyama · Jure Leskovec

In Poster Session 4

[ Slides ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #922

Poster

## **Robust $\phi$ -Divergence MDPs**

[\[ OpenReview \]](#)

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #923

Poster

**Offline Goal-Conditioned Reinforcement Learning via  $f$ -Advantage Regression**

Jason Yecheng Ma · Jason Yan · Dinesh Jayaraman · Osbert Bastani

In Poster Session 4

[\[ Poster \]](#) [\[ OpenReview \]](#)

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #924

Poster

**Translation-equivariant Representation in Recurrent Networks with a Continuous Manifold of Attractors**

Wenhai Zhang · Ying Nian Wu · Si Wu

In Poster Session 4

[\[ OpenReview \]](#)

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #925

Poster

**Visual Clues: Bridging Vision and Language Foundations for Image Paragraph Captioning**

Yujia Xie · Luowei Zhou · Xiyang Dai · Lu Yuan · Nguyen Bach · Ce Liu · Michael Zeng

In Poster Session 4

[\[ OpenReview \]](#)

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #926

Poster

**Learning Audio-Visual Dynamics Using Scene Graphs for Audio Source Separation**

Moitreyra Chatterjee · Narendra Ahuja · Anoop Cherian

In Poster Session 4

[\[ OpenReview \]](#)

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #927

Poster

**Towards a Standardised Performance Evaluation Protocol for Cooperative MARL**

Rihab Gorsane · Omayma Mahjoub · Ruan John de Kock · Roland Dubb · Siddarth Singh · Arnu Pretorius

In Poster Session 4

[\[ OpenReview \]](#)

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #928

Poster

**Joint Model-Policy Optimization of a Lower Bound for Model-Based RL**

Benjamin Eysenbach · Alexander Khazatsky · Sergey Levine · Russ Salakhutdinov

In Poster Session 4

[\[ OpenReview \]](#)

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #929

Poster

**Learning With an Evolving Class Ontology**

Zhiqiu Lin · Deepak Pathak · Yu-Xiong Wang · Deva Ramanan · Shu Kong

In Poster Session 4

[\[ OpenReview \]](#)

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #930

Poster

**The Franz-Parisi Criterion and Computational Trade-offs in High Dimensional Statistics**

Afonso Bandeira · Ahmed El Alaoui · Samuel Hopkins · Tselil Schramm · Alexander S Wein · Ilias Zadik

In Poster Session 4

[\[ OpenReview \]](#)

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #931

Poster

**Conformalized Fairness via Quantile Regression**

Meichen Liu · Lei Ding · Dengdeng Yu · Wulong Liu · Linglong Kong · Bei Jiang

In Poster Session 4

[\[ Poster \]](#) [\[ OpenReview \]](#)

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #932

Poster

## **Neural Differential Equations for Learning to Program Neural Nets Through Continuous Learning Rules**

Kazuki Irie · Francesco Faccio · Jürgen Schmidhuber

In Poster Session 4

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #933

Poster

### **An Analysis of Ensemble Sampling**

Chao Qin · Zheng Wen · Xiuyuan Lu · Benjamin Van Roy

In Poster Session 4

[ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #934

Poster

### **Resolving the data ambiguity for periodic crystals**

Daniel Widdowson · Vitaliy Kurlin

In Poster Session 4

[ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #935

Poster

### **Split-kl and PAC-Bayes-split-kl Inequalities for Ternary Random Variables**

Yi-Shan Wu · Yevgeny Seldin

In Poster Session 4

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #936

Poster

### **On the Sample Complexity of Stabilizing LTI Systems on a Single Trajectory**

Yang Hu · Adam Wierman · Guannan Qu

In Poster Session 4

[ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #937

Poster

### **On the convergence of policy gradient methods to Nash equilibria in general stochastic games**

Angeliki Giannou · Kyriakos Lotidis · Panayotis Mertikopoulos · Emmanouil-Vasileios Vlatakis-Gkaragkounis

In Poster Session 4

[ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #938

Poster

### **Certifying Some Distributional Fairness with Subpopulation Decomposition**

Mintong Kang · Linyi Li · Maurice Weber · Yang Liu · Ce Zhang · Bo Li

In Poster Session 4

[ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #939

Poster

### **Biologically Inspired Dynamic Thresholds for Spiking Neural Networks**

Jianchuan Ding · Bo Dong · Felix Heide · Yufei Ding · Yunduo Zhou · Baocai Yin · Xin Yang

In Poster Session 4

[ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #940

Poster

### **Precise Learning Curves and Higher-Order Scalings for Dot-product Kernel Regression**

Lechao Xiao · Jeffrey Pennington · Theodor Misiakiewicz · Hong Hu · Yue Lu

In Poster Session 4

[ [🔗 OpenReview](#) ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #941

Poster

### **Towards a Unified Framework for Uncertainty-aware Nonlinear Variable Selection with Theoretical Guarantees**

Wenying Deng · Beau Coker · Rajarshi Mukherjee · Jeremiah Liu · Brent Coull

In Poster Session 4

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #942

Poster

## **Sketching based Representations for Robust Image Classification with Provable Guarantees**

Nishanth Dikkala · Sankeerth Rao Karingula · Raghu Meka · Jelani Nelson · Rina Panigrahy · Xin Wang In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1042

Poster

## **Causality-driven Hierarchical Structure Discovery for Reinforcement Learning**

shaohui peng · Xing Hu · Rui Zhang · Ke Tang · Jiaming Guo · Qi Yi · Ruizhi Chen · xishan zhang · Zidong Du · Ling Li · Qi Guo · Yunji Chen In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1041

Poster

## **Language Models with Image Descriptors are Strong Few-Shot Video-Language Learners**

Zhenhailong Wang · Manling Li · Ruochen Xu · Luowei Zhou · Jie Lei · Xudong Lin · Shuohang Wang · Ziyi Yang In Poster Session 4 · Chengguang Zhu · Derek Hoiem · Shih-Fu Chang · Mohit Bansal · Heng Ji

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1040

Poster

## **Foundation Posteriors for Approximate Probabilistic Inference**

Mike Wu · Noah Goodman In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1039

Poster

## **Unsupervised Image-to-Image Translation with Density Changing Regularization**

Shaoan Xie · Qirong Ho · Kun Zhang In Poster Session 4

[  OpenReview ]

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Poster

## **Pruning Neural Networks via Coresets and Convex Geometry: Towards No Assumptions**

Murad Tukan · Loay Mualem · Alaa Maalouf In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1037

Poster

## **Overparameterization from Computational Constraints**

Sanjam Garg · Somesh Jha · Saeed Mahloujifar · Mohammad Mahmoody · Mingyuan Wang In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1036

Poster

## **Learn to Match with No Regret: Reinforcement Learning in Markov Matching Markets**

Yifei Min · Tianhao Wang · Ruitu Xu · Zhaoran Wang · Michael Jordan · Zhuoran Yang In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1035

Poster

## **Unknown-Aware Domain Adversarial Learning for Open-Set Domain Adaptation**

JoonHo Jang · Byeonghu Na · Dong Hyeok Shin · Mingi Ji · Kyungwoo Song · Il-chul Moon In Poster Session 4

[ Slides ] [ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1034

Poster

## Giga-scale Kernel Matrix-Vector Multiplication on GPU

Robert Hu · Siu Lun Chau · Dino Sejdinovic · Joan Glaunès

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1033

Poster

## USB: A Unified Semi-supervised Learning Benchmark for Classification

Yidong Wang · Hao Chen · Yue Fan · Wang SUN · Ran Tao · Wenxin Hou · Renjie Wang · Linyi Yang · Zhi Zhou In Poster Session 4  
· Lan-Zhe Guo · Heli Qi · Zhen Wu · Yu-Feng Li · Satoshi Nakamura · Wei Ye · Marios Savvides · Bhiksha Raj · Takahiro Shinozaki · Bernt Schiele · Jindong Wang · Xing Xie · Yue Zhang

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1032

Poster

## DC-BENCH: Dataset Condensation Benchmark

Justin CUI · Ruochen Wang · Si Si · Cho-Jui Hsieh

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1031

Poster

## FLamby: Datasets and Benchmarks for Cross-Silo Federated Learning in Realistic Healthcare Settings

Jean Ogier du Terrail · Samy-Safwan Ayed · Edwige Cyffers · Felix Grimberg · Chaoyang He · Regis Loeb · Paul In Poster Session 4  
Mangold · Tanguy Marchand · Othmane Marfoq · Erum Mushtaq · Boris Muzellec · Constantin Philippenko · Santiago Silva · Maria  
Teleńczuk · Shadi Albarqouni · Salman Avestimehr · Aurélien Bellet · Aymeric Dieuleveut · Martin Jaggi · Sai Praneeth Karimireddy ·  
Marco Lorenzi · Giovanni Neglia · Marc Tommasi · Mathieu Andreux

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1030

Poster

## NAS-Bench-Suite-Zero: Accelerating Research on Zero Cost Proxies

Arjun Krishnakumar · Colin White · Arber Zela · Renbo Tu · Mahmoud Safari · Frank Hutter

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1029

Poster

## PROSPECT: Labeled Tandem Mass Spectrometry Dataset for Machine Learning in Proteomics

Omar Shouman · Wassim Gabriel · Victor-George Giurcoiu · Vitor Sternlicht · Mathias Wilhelm

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1028

Poster

## FLAIR: Federated Learning Annotated Image Repository

Congzheng Song · Filip Granqvist · Kunal Talwar

In Poster Session 4

[  OpenReview ]

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Poster

## The Surprising Effectiveness of PPO in Cooperative Multi-Agent Games

Chao Yu · Akash Velu · Eugene Vinitksy · Jiaxuan Gao · Yu Wang · Alexandre Bayen · YI WU

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1026

Poster

## ConfLab: A Data Collection Concept, Dataset, and Benchmark for Machine Analysis of Free-Standing Social Interactions in the Wild

Chirag Raman · Jose Vargas Quiros · Stephanie Tan · Ashraful Islam · Ekin Gedik · Hayley Hung

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1025

Poster

## **MOMA-LRG: Language-Refined Graphs for Multi-Object Multi-Actor Activity Parsing**

Zelun Luo · Zane Durante · Linden Li · Wanze Xie · Ruochen Liu · Emily Jin · Zhuoyi Huang · Lun Yu Li · Jiajun Wu · Juan Carlos Niebles · Ehsan Adeli · Fei-Fei Li

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1024

Poster

## **Touch and Go: Learning from Human-Collected Vision and Touch**

Fengyu Yang · Chenyang Ma · Jiacheng Zhang · Jing Zhu · Wenzhen Yuan · Andrew Owens

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1023

Poster

## **A Survey and Datasheet Repository of Publicly Available US Criminal Justice Datasets**

Miri Zilka · Bradley Butcher · Adrian Weller

In Poster Session 4

[ Poster ] [  OpenReview ]

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Poster

## **MATE: Benchmarking Multi-Agent Reinforcement Learning in Distributed Target Coverage Control**

Xuehai Pan · Mickel Liu · Fangwei Zhong · Yaodong Yang · Song-Chun Zhu · Yizhou Wang

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1021

Poster

## **How Would The Viewer Feel? Estimating Wellbeing From Video Scenarios**

Mantas Mazeika · Eric Tang · Andy Zou · Steven Basart · Jun Shern Chan · Dawn Song · David Forsyth · Jacob Steinhardt · Dan Hendrycks

[  OpenReview ]

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Poster

## **MoCapAct: A Multi-Task Dataset for Simulated Humanoid Control**

Nolan Wagener · Andrey Kolobov · Felipe Vieira Frujeri · Ricky Loynd · Ching-An Cheng · Matthew Hausknecht

In Poster Session 4

[ Slides ] [ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1019

Poster

## **OpenSRH: optimizing brain tumor surgery using intraoperative stimulated Raman histology**

Cheng Jiang · Asadur Chowdury · Xinhai Hou · Akhil Kondepudi · Christian Freudiger · Kyle Conway · Sandra Camelo-Piragua · Daniel Orringer · Honglak Lee · Todd Hollon

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1018

Poster

## **DDXPlus: A New Dataset For Automatic Medical Diagnosis**

Arsene Fansi Tchango · Rishab Goel · Zhi Wen · Julien Martel · Joumana Ghosn

In Poster Session 4

[  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1017

Poster

## **ViSioNS: Visual Search in Natural Scenes Benchmark**

Fermín Travi · Gonzalo Ruarte · Gastón Bujía · Juan Esteban Kamienkowski

In Poster Session 4

[ Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1016

Poster

## **NeoRL: A Near Real-World Benchmark for Offline Reinforcement Learning**

Rong-Jun Qin · Xingyuan Zhang · Songyi Gao · Xiong-Hui Chen · Zewen Li · Weinan Zhang · Yang Yu

In Poster Session 4

[  OpenReview ]

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Poster

## **Finding Naturally Occurring Physical Backdoors in Image Datasets**

Emily Wenger · Roma Bhattacharjee · Arjun Nitin Bhagoji · Josephine Passananti · Emilio Andere · Heather Zheng · Ben Zhao

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1014

Poster

## **AirFRANS: High Fidelity Computational Fluid Dynamics Dataset for Approximating Reynolds-Averaged Navier–Stokes Solutions**

Florent Bonnet · Jocelyn Mazari · Paola Cinnella · Patrick Gallinari

In Poster Session 4

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1013

Poster

## **OpenXAI: Towards a Transparent Evaluation of Model Explanations**

Chirag Agarwal · Satyapriya Krishna · Eshika Saxena · Martin Pawelczyk · Nari Johnson · Isha Puri · Marinka Zitnik · Himabindu Lakkaraju

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1012

Poster

## **LAION-5B: An open large-scale dataset for training next generation image-text models**

Christoph Schuhmann · Romain Beaumont · Richard Vencu · Cade Gordon · Ross Wightman · Mehdi Cherti · In Poster Session 4

Theo Coombes · Aarush Katta · Clayton Mullis · Mitchell Wortsman · Patrick Schramowski · Srivatsa Kundurthy · Katherine Crowson · Ludwig Schmidt · Robert Kaczmarczyk · Jenia Jitsev

[  Slides ] [  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1011

Poster

## **OccGen: Selection of Real-world Multilingual Parallel Data Balanced in Gender within Occupations**

Marta Costa-jussà · Christine Basta · Oriol Domingo · André Rubungo

In Poster Session 4

[  Poster ] [  OpenReview ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1010

Poster

## **Fairness-Aware PAC Learning from Corrupted Data**

Nikola Konstantinov · Christoph Lampert

In Poster Session 4

[  Paper PDF ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1009

Poster

## **LSAR: Efficient Leverage Score Sampling Algorithm for the Analysis of Big Time Series Data**

Ali Eshragh · Fred Roosta · Asef Nazari · Michael Mahoney

In Poster Session 4

[  Paper PDF ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1008

Poster

## **Multi-Agent Multi-Armed Bandits with Limited Communication**

Mridul Agarwal · Vaneet Aggarwal · Kamyar Azizzadenesheli

In Poster Session 4

[  Paper PDF ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1006

Poster

## **When is the Convergence Time of Langevin Algorithms Dimension Independent? A Composite Optimization Viewpoint**

Yoav S Freund · Yi-An Ma · Tong Zhang

In Poster Session 4

[ Paper PDF ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1005

Poster

## **[Re] Nondeterminism and Instability in Neural Network Optimization**

Waqas Ahmed · Sheeba Samuel

In Poster Session 4

[ Poster ]

[ Paper PDF ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1004

Poster

## **[Re] Replication Study of "Fairness and Bias in Online Selection"**

Roxana-Maria Petcu · Pim Praat · Jeroen Wijnen · Manolis Rerres

In Poster Session 4

[ Poster ]

[ Paper PDF ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1003

Poster

## **[Re] Reproduction and Extension of "Queens are Powerful too: Mitigating Gender Bias in Dialogue Generation"**

Erica Eaton · Pirouz Naghavi

In Poster Session 4

[ Slides ] [ Poster ]

[ Paper PDF ]

Wed Nov 30 02:30 PM -- 04:00 PM (PST) @ Hall J #1002

Poster

## **[Re] Learning to count everything**

Maša Kljun · Matija Teršek · Domen Vreš

In Poster Session 4

[ Paper PDF ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1002

Poster

## **Learning Operators with Coupled Attention**

Georgios Kissas · Jacob Seidman · Leonardo Ferreira Guilhoto · Victor M. Preciado · George J. Pappas · Paris Perdikaris

In Poster Session 5

[ Paper PDF ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #101

Poster

## **A Neural Pre-Conditioning Active Learning Algorithm to Reduce Label Complexity**

Seo Taek Kong · Soomin Jeon · Dongbin Na · Jaewon Lee · Hong-Seok Lee · Kyu-Hwan Jung

In Poster Session 5

[ Poster ] [ OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #103

Poster

## **Retaining Knowledge for Learning with Dynamic Definition**

Zichang Liu · Benjamin Coleman · Tianyi Zhang · Anshumali Shrivastava

In Poster Session 5

[ OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #105

Poster

## **Amortized Inference for Causal Structure Learning**

Lars Lorch · Scott Sussex · Jonas Rothfuss · Andreas Krause · Bernhard Schölkopf

In Poster Session 5

[ Poster ] [ OpenReview ] [ Topia ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #107

Poster

### **Multi-Game Decision Transformers**

Kuang-Huei Lee · Ofir Nachum · Mengjiao (Sherry) Yang · Lisa Lee · Daniel Freeman · Sergio Guadarrama · Ian Fischer · Winnie Xu · Eric Jang · Henryk Michalewski · Igor Mordatch

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #108

Poster

### **NS3: Neuro-symbolic Semantic Code Search**

Shushan Arakelyan · Anna Hakhverdyan · Miltiadis Allamanis · Luis Garcia · Christophe Hauser · Xiang Ren

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #109

Poster

### **NeMF: Neural Motion Fields for Kinematic Animation**

Chengan He · Jun Saito · James Zachary · Holly Rushmeier · Yi Zhou

In Poster Session 5

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #110

Poster

### **COLD Decoding: Energy-based Constrained Text Generation with Langevin Dynamics**

Lianhui Qin · Sean Welleck · Daniel Khashabi · Yejin Choi

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #111

Poster

### **Towards Safe Reinforcement Learning with a Safety Editor Policy**

Haonan Yu · Wei Xu · Haichao Zhang

In Poster Session 5

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #112

Poster

### **A Solver-free Framework for Scalable Learning in Neural ILP Architectures**

Yatin Nandwani · Rishabh Ranjan · Mausam · Parag Singla

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #113

Poster

### **Chroma-VAE: Mitigating Shortcut Learning with Generative Classifiers**

Wanqian Yang · Polina Kirichenko · Micah Goldblum · Andrew Wilson

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #114

Poster

### **Bivariate Causal Discovery for Categorical Data via Classification with Optimal Label**

#### **Permutation**

Yang Ni

In Poster Session 5

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #115

Poster

### **Concrete Score Matching: Generalized Score Matching for Discrete Data**

Chenlin Meng · Kristy Choi · Jiaming Song · Stefano Ermon

In Poster Session 5

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #116

Poster

### **Structuring Uncertainty for Fine-Grained Sampling in Stochastic Segmentation Networks**

Frank Nussbaum · Jakob Gawlikowski · Julia Niebling

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #117

Poster

### **NOMAD: Nonlinear Manifold Decoders for Operator Learning**

Jacob Seidman · Georgios Kissas · Paris Perdikaris · George J. Pappas

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #118

Poster

### **Modeling Human Exploration Through Resource-Rational Reinforcement Learning**

Marcel Binz · Eric Schulz

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #119

Poster

### **Hierarchical classification at multiple operating points**

Jack Valmadre

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #120

Poster

### **Instance-Based Uncertainty Estimation for Gradient-Boosted Regression Trees**

Jonathan Brophy · Daniel Lowd

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #121

Poster

### **Sparsity in Continuous-Depth Neural Networks**

Hananeh Aliee · Till Richter · Mikhail Solonin · Ignacio Ibarra · Fabian Theis · Niki Kilbertus

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #122

Poster

### **Optimal Brain Compression: A Framework for Accurate Post-Training Quantization and Pruning**

Elias Frantar · Dan Alistarh

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #123

Poster

### **Diagonal State Spaces are as Effective as Structured State Spaces**

Ankit Gupta · Albert Gu · Jonathan Berant

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #124

Poster

### **UVIM: A Unified Modeling Approach for Vision with Learned Guiding Codes**

Alexander Kolesnikov · André Susano Pinto · Lucas Beyer · Xiaohua Zhai · Jeremiah Harmsen · Neil Houlsby

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #125

Poster

### **Simple Unsupervised Object-Centric Learning for Complex and Naturalistic Videos**

Gautam Singh · Yi-Fu Wu · Sungjin Ahn

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #126

Poster

### **Cluster and Aggregate: Face Recognition with Large Probe Set**

Minchul Kim · Feng Liu · Anil K Jain · Xiaoming Liu

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #127

Poster

### **Reinforcement Learning with Automated Auxiliary Loss Search**

Tairan He · Yuge Zhang · Kan Ren · Minghuan Liu · Che Wang · Weinan Zhang · Yuqing Yang · Dongsheng Li In Poster Session 5

[ [Poster](#) ] [  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #128

Poster

### **Distribution-Informed Neural Networks for Domain Adaptation Regression**

Jun Wu · Jingrui He · Sheng Wang · Kaiyu Guan · Elizabeth Ainsworth In Poster Session 5

[  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #129

Poster

### **Does Self-supervised Learning Really Improve Reinforcement Learning from Pixels?**

Xiang Li · Jinghuan Shang · Srijan Das · Michael Ryoo In Poster Session 5

[ [Slides](#) ] [  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #130

Poster

### **Association Graph Learning for Multi-Task Classification with Category Shifts**

Jiayi Shen · Zehao Xiao · Xiantong Zhen · Cees Snoek · Marcel Worring In Poster Session 5

[ [Poster](#) ] [  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #131

Poster

### **Adv-Attribute: Inconspicuous and Transferable Adversarial Attack on Face Recognition**

Shuai Jia · Bangjie Yin · Taiping Yao · Shouhong Ding · Chunhua Shen · Xiaokang Yang · Chao Ma In Poster Session 5

[ [Poster](#) ] [  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #133

Poster

### **OST: Improving Generalization of DeepFake Detection via One-Shot Test-Time Training**

Liang Chen · Yong Zhang · Yibing Song · Jue Wang · Lingqiao Liu In Poster Session 5

[ [Poster](#) ] [  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #134

Poster

### **Grow and Merge: A Unified Framework for Continuous Categories Discovery**

Xinwei Zhang · Jianwen Jiang · Yutong Feng · Zhi-Fan Wu · Xibin Zhao · Hai Wan · Mingqian Tang · Rong Jin · In Poster Session 5

Yue Gao

[ [Poster](#) ] [  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #135

Poster

### **Revisiting Sliced Wasserstein on Images: From Vectorization to Convolution**

Khai Nguyen · Nhat Ho In Poster Session 5

[  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #136

Poster

### **Meta-Complementing the Semantics of Short Texts in Neural Topic Models**

Delvin Ce Zhang · Hady Lauw In Poster Session 5

[  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #137

Poster

### **Learning Equivariant Segmentation with Instance-Unique Querying**

Wenguan Wang · James Liang · Dongfang Liu In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #138

Poster

### ***DivBO: Diversity-aware CASH for Ensemble Learning***

Yu Shen · Yupeng Lu · Yang Li · Yaofeng Tu · Wentao Zhang · Bin CUI

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #139

Poster

### ***Towards Efficient Post-training Quantization of Pre-trained Language Models***

Haoli Bai · Lu Hou · Lifeng Shang · Xin Jiang · Irwin King · Michael R Lyu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #140

Poster

### ***FedRolex: Model-Heterogeneous Federated Learning with Rolling Sub-Model Extraction***

Samiul Alam · Luyang Liu · Ming Yan · Mi Zhang

In Poster Session 5

[ [Poster](#) ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #141

Poster

### ***How Mask Matters: Towards Theoretical Understandings of Masked Autoencoders***

Qi Zhang · Yifei Wang · Yisen Wang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #142

Poster

### ***Transferring Pre-trained Multimodal Representations with Cross-modal Similarity***

#### ***Matching***

Byoungjip Kim · Sungik Choi · Dasol Hwang · Moontae Lee · Honglak Lee

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #242

Poster

### ***A Neural Corpus Indexer for Document Retrieval***

Yujing Wang · Yingyan Hou · Haonan Wang · Ziming Miao · Shibin Wu · Hao Sun · Qi Chen · Yuqing Xia · Chengmin Chi · Guoshuai Zhao · Zheng Liu · Xing Xie · Hao Sun · Weiwei Deng · Qi Zhang · Mao Yang

In Poster Session 5

[ [Poster](#) ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #241

Poster

### ***I2DFormer: Learning Image to Document Attention for Zero-Shot Image Classification***

Muhammad Ferjad Naeem · Yongqin Xian · Luc V Gool · Federico Tombari

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #240

Poster

### ***ElasticMVS: Learning elastic part representation for self-supervised multi-view stereopsis***

Jinzhi Zhang · Ruofan Tang · Zheng Cao · Jing Xiao · Ruqi Huang · LU FANG

In Poster Session 5

[ [Slides](#) ] [ [Poster](#) ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #239

Poster

### ***Meta-DMoE: Adapting to Domain Shift by Meta-Distillation from Mixture-of-Experts***

Tao Zhong · Zhixiang Chi · Li Gu · Yang Wang · Yuanhao Yu · Jin Tang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #238

Poster

### ***DualCoOp: Fast Adaptation to Multi-Label Recognition with Limited Annotations***

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #237

Poster

**MaskTune: Mitigating Spurious Correlations by Forcing to Explore**

Saeid Asgari · Aliasghar Khani · Fereshte Khani · Ali Gholami · Linh Tran · Ali Mahdavi-Amiri · Ghassan Hamarneh

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #236

Poster

**Neuron with Steady Response Leads to Better Generalization**

Qiang Fu · Lun Du · Haitao Mao · Xu Chen · Wei Fang · Shi Han · Dongmei Zhang

In Poster Session 5

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #235

Poster

**Invariance Learning based on Label Hierarchy**

Shoji Toyota · Kenji Fukumizu

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #234

Poster

**Bidirectional Learning for Offline Infinite-width Model-based Optimization**

Can Chen · Yingxueff Zhang · Jie Fu · Xue (Steve) Liu · Mark Coates

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #233

Poster

**Energy-Based Contrastive Learning of Visual Representations**

Beomsu Kim · Jong Chul Ye

In Poster Session 5

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #232

Poster

**FR: Folded Rationalization with a Unified Encoder**

Wei Liu · Haozhao Wang · Jun Wang · Ruixuan Li · Chao Yue · YuanKai Zhang

In Poster Session 5

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #231

Poster

**Few-shot Task-agnostic Neural Architecture Search for Distilling Large Language Models**

Dongkuan (DK) Xu · Subhabrata Mukherjee · Xiaodong Liu · Debadeepta Dey · Wenhui Wang · Xiang Zhang · In Poster Session 5

Ahmed Awadallah · Jianfeng Gao

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #230

Poster

**Unsupervised Adaptation from Repeated Traversals for Autonomous Driving**

Yurong You · Cheng Perng Phoo · Katie Luo · Travis Zhang · Wei-Lun Chao · Bharath Hariharan · Mark Campbell · Kilian Weinberger

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #229

Poster

**Generating multivariate time series with COmmon Source Coordinated GAN (COSCI-GAN)**

Ali Seyfi · Jean-Francois Rajotte · Raymond Ng

In Poster Session 5

[ [Slides](#) ] [ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #228

Poster

## **Unsupervised Learning of Equivariant Structure from Sequences**

Takeru Miyato · Masanori Koyama · Kenji Fukumizu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #227

Poster

## **An Analytical Theory of Curriculum Learning in Teacher-Student Networks**

Luca Saglietti · Stefano Mannelli · Andrew Saxe

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #226

Poster

## **Lifelong Neural Predictive Coding: Learning Cumulatively Online without Forgetting**

Alex Ororbia · Ankur Mali · C Lee Giles · Daniel Kifer

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #225

Poster

## **MAgNet: Mesh Agnostic Neural PDE Solver**

Oussama Boussif · Yoshua Bengio · Loubna Benabbou · Dan Assouline

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #224

Poster

## **Iterative Structural Inference of Directed Graphs**

Aoran Wang · Jun Pang

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #223

Poster

## **Generalizing Goal-Conditioned Reinforcement Learning with Variational Causal Reasoning**

Wenhai Ding · Haohong Lin · Bo Li · DING ZHAO

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #222

Poster

## **A Unifying Framework of Off-Policy General Value Function Evaluation**

Tengyu Xu · Zhuoran Yang · Zhaoran Wang · Yingbin Liang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #221

Poster

## **Langevin Autoencoders for Learning Deep Latent Variable Models**

Shohei Taniguchi · Yusuke Iwasawa · Wataru Kumagai · Yutaka Matsuo

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #220

Poster

## **SketchBoost: Fast Gradient Boosted Decision Tree for Multioutput Problems**

Leonid Iosipoi · Anton Vakhrushev

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #219

Poster

## **Your Transformer May Not be as Powerful as You Expect**

Shengjie Luo · Shanda Li · Shuxin Zheng · Tie-Yan Liu · Liwei Wang · Di He

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #218

Poster

**GRASP: Navigating Retrosynthetic Planning with Goal-driven Policy**

Yemin Yu · Ying Wei · Kun Kuang · Zhengxing Huang · Huaxiu Yao · Fei Wu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #217

Poster

**High-Order Pooling for Graph Neural Networks with Tensor Decomposition**

Chenqing Hua · Guillaume Rabusseau · Jian Tang

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #216

Poster

**TreeMoCo: Contrastive Neuron Morphology Representation Learning**

Hanbo Chen · Jiawei Yang · Daniel Iascone · Lijuan Liu · Lei He · Hanchuan Peng · Jianhua Yao

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #215

Poster

**SAVi++: Towards End-to-End Object-Centric Learning from Real-World Videos**

Gamaleldin Elsayed · Aravindh Mahendran · Sjoerd van Steenkiste · Klaus Greff · Michael Mozer · Thomas Kipf In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #214

Poster

**TVLT: Textless Vision-Language Transformer**

Zineng Tang · Jaemin Cho · Yixin Nie · Mohit Bansal

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #213

Poster

**Molecule Generation by Principal Subgraph Mining and Assembling**

Xiangzhe Kong · Wenbing Huang · Zhixing Tan · Yang Liu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #212

Poster

**AttCAT: Explaining Transformers via Attentive Class Activation Tokens**

Yao Qiang · Deng Pan · Chengyin Li · Xin Li · Rhongho Jang · Dongxiao Zhu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #211

Poster

**Joint Learning of 2D-3D Weakly Supervised Semantic Segmentation**

Hyeokjun Kweon · Kuk-Jin Yoon

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #210

Poster

**Transcomer: Transformer for Sentence Scoring with Sliding Language Modeling**

Kaitao Song · Yichong Leng · Xu Tan · Yicheng Zou · Tao Qin · Dongsheng Li

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #209

Poster

**Expansion and Shrinkage of Localization for Weakly-Supervised Semantic Segmentation**

JINLONG LI · Zequn Jie · Xu Wang · Xiaolin Wei · Lin Ma

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #208

Poster

## **Rethinking and Scaling Up Graph Contrastive Learning: An Extremely Efficient Approach with Group Discrimination**

YIZHEN ZHENG · Shirui Pan · Vincent CS Lee · Yu Zheng · Philip S Yu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #207

Poster

## **Generalized Delayed Feedback Model with Post-Click Information in Recommender Systems**

Jiaqi Yang · De-Chuan Zhan

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #206

Poster

## **Phase Transition from Clean Training to Adversarial Training**

Yue Xing · Qifan Song · Guang Cheng

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #205

Poster

## **On the Robustness of Deep Clustering Models: Adversarial Attacks and Defenses**

Anshuman Chhabra · Ashwin Sekhari · Prasant Mohapatra

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #204

Poster

## **LIFT: Language-Interfaced Fine-Tuning for Non-language Machine Learning Tasks**

Tuan Dinh · Yuchen Zeng · Ruisu Zhang · Ziqian Lin · Michael Gira · Shashank Rajput · Jy-yong Sohn · Dimitris Papailiopoulos · Kangwook Lee

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #203

Poster

## **Improving 3D-aware Image Synthesis with A Geometry-aware Discriminator**

Zifan Shi · Yinghao Xu · Yujun Shen · Deli Zhao · Qifeng Chen · Dit-Yan Yeung

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #202

Poster

## **Watermarking for Out-of-distribution Detection**

Qizhou Wang · Feng Liu · Yonggang Zhang · Jing Zhang · Chen Gong · Tongliang Liu · Bo Han

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #201

Poster

## **Neural Temporal Walks: Motif-Aware Representation Learning on Continuous-Time Dynamic Graphs**

Ming Jin · Yuan-Fang Li · Shirui Pan

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #200

Poster

## **InsNet: An Efficient, Flexible, and Performant Insertion-based Text Generation Model**

Sidi Lu · Tao Meng · Nanyun Peng

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #300

Poster

## **Prune and distill: similar reformatting of image information along rat visual cortex and deep neural networks**

Paolo Muratore · Sina Tafazoli · Eugenio Piasini · Alessandro Laio · Davide Zoccolan

In Poster Session 5

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #302

Poster

## **Is this the Right Neighborhood? Accurate and Query Efficient Model Agnostic Explanations**

Amit Dhurandhar · Karthikeyan Natesan Ramamurthy · Karthikeyan Shanmugam

In Poster Session 5

[ [Slides](#) ] [ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #303

Poster

## **Recruitment Strategies That Take a Chance**

Gregory Kehne · Ariel Procaccia · Jingyan Wang

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #304

Poster

## **Experimental Design for Linear Functionals in Reproducing Kernel Hilbert Spaces**

Mojmir Mutny · Andreas Krause

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #305

Poster

## **Physics-Informed Implicit Representations of Equilibrium Network Flows**

Kevin D. Smith · Francesco Seccamonte · Ananthram Swami · Francesco Bullo

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #306

Poster

## **Modeling Transitivity and Cyclicity in Directed Graphs via Binary Code Box Embeddings**

Dongxu Zhang · Michael Boratko · Cameron Musco · Andrew McCallum

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #307

Poster

## **Collaborative Learning of Discrete Distributions under Heterogeneity and Communication Constraints**

Xinmeng Huang · Donghwan Lee · Edgar Dobriban · Hamed Hassani

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #308

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## **A Boosting Approach to Reinforcement Learning**

Nataly Brukhim · Elad Hazan · Karan Singh

In Poster Session 5

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## **Active Learning with Neural Networks: Insights from Nonparametric Statistics**

Yinglun Zhu · Robert Nowak

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #310

Poster

## **Optimal Scaling for Locally Balanced Proposals in Discrete Spaces**

Haoran Sun · Hanjun Dai · Dale Schuurmans

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #311

Poster

**Non-Stationary Bandits under Recharging Payoffs: Improved Planning with Sublinear Regret**

Orestis Papadigenopoulos · Constantine Caramanis · Sanjay Shakkottai

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #312

Poster

**Effective Dimension in Bandit Problems under Censorship**

Gauthier Guinet · Saurabh Amin · Patrick Jaillet

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #313

Poster

**Partial Identification of Treatment Effects with Implicit Generative Models**

Vahid Balazadeh Meresht · Vasilis Syrgkanis · Rahul Krishnan

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #314

Poster

**A Universal Error Measure for Input Predictions Applied to Online Graph Problems**

Giulia Bernardini · Alexander Lindermayr · Alberto Marchetti-Spaccamela · Nicole Megow · Leen Stougie · Michelle Sweering

[  Poster ] [  OpenReview ]

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Poster

**Minimax Regret for Cascading Bandits**

Daniel Vial · Sujay Sanghavi · Sanjay Shakkottai · R. Srikanth

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #316

Poster

**Defining and Characterizing Reward Gaming**

Joar Skalse · Nikolaus Howe · Dmitrii Krasheninnikov · David Krueger

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #317

Poster

**Beyond Time-Average Convergence: Near-Optimal Uncoupled Online Learning via****Clairvoyant Multiplicative Weights Update**

Georgios Piliouras · Ryann Sim · EFSTRATIOS SKOULAKIS

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #318

Poster

**Non-convex online learning via algorithmic equivalence**

Udaya Ghai · Zhou Lu · Elad Hazan

In Poster Session 5

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Poster

**Annihilation of Spurious Minima in Two-Layer ReLU Networks**

Yossi Arjevani · Michael Field

In Poster Session 5

[  Poster ] [  OpenReview ]

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Poster

**On global convergence of ResNets: From finite to infinite width using linear parameterization**

Raphaël Barboni · Gabriel Peyré · Francois-Xavier Vialard

In Poster Session 5

[  OpenReview ]

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Poster

**GULP: a prediction-based metric between representations**

Enric Boix-Adsera · Hannah Lawrence · George Stepaniants · Philippe Rigollet

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #322

Poster

**A Combinatorial Perspective on the Optimization of Shallow ReLU Networks**

Michael S Matena · Colin Raffel

In Poster Session 5

[  OpenReview ]

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Poster

**Learning sparse features can lead to overfitting in neural networks**

Leonardo Petrini · Francesco Cagnetta · Eric Vanden-Eijnden · Matthieu Wyart

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #324

Poster

**Conformal Off-Policy Prediction in Contextual Bandits**

Muhammad Faaiz Taufiq · Jean-Francois Ton · Rob Cornish · Yee Whye Teh · Arnaud Doucet

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #325

Poster

**Movement Penalized Bayesian Optimization with Application to Wind Energy Systems**

Shyam Sundhar Ramesh · Pier Giuseppe Sessa · Andreas Krause · Ilija Bogunovic

In Poster Session 5

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Poster

**Identifiability and generalizability from multiple experts in Inverse Reinforcement Learning**

Paul Rolland · Luca Viano · Norman Schürhoff · Boris Nikolov · Volkan Cevher

In Poster Session 5

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Poster

**The Implicit Delta Method**

Nathan Kallus · James McInerney

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #328

Poster

**Statistically Meaningful Approximation: a Case Study on Approximating Turing Machines with Transformers**

Colin Wei · Yining Chen · Tengyu Ma

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #329

Poster

**Archimedes Meets Privacy: On Privately Estimating Quantiles in High Dimensions Under Minimal Assumptions**

[\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #330

Poster

**Markovian Interference in Experiments**

Vivek Farias · Andrew Li · Tianyi Peng · Andrew Zheng

In Poster Session 5

[\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #331

Poster

**Whitening Convergence Rate of Coupling-based Normalizing Flows**

Felix Draxler · Christoph Schnörr · Ullrich Köthe

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #332

Poster

**When Does Differentially Private Learning Not Suffer in High Dimensions?**Xuechen Li · Daogao Liu · Tatsunori Hashimoto · Huseyin A. Inan · Janardhan Kulkarni · Yin-Tat Lee · Abhradeep In Poster Session 5  
Guha Thakurta[\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #333

Poster

**DASCO: Dual-Generator Adversarial Support Constrained Offline Reinforcement Learning**

Quan Vuong · Aviral Kumar · Sergey Levine · Yevgen Chebotar

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #334

Poster

**Are GANs overkill for NLP?**

David Alvarez-Melis · Vikas Garg · Adam Kalai

In Poster Session 5

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Poster

**Positive-Unlabeled Learning using Random Forests via Recursive Greedy Risk****Minimization**

Jonathan Wilton · Abigail Koay · Ryan Ko · Miao Xu · Nan Ye

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #336

Poster

**Direct Advantage Estimation**

Hsiao-Ru Pan · Nico Gürtler · Alexander Neitz · Bernhard Schölkopf

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #337

Poster

**Simplified Graph Convolution with Heterophily**

Sudhanshu Chanpuriya · Cameron Musco

In Poster Session 5

[\[ Poster \]](#) [\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #338

Poster

**Explaining Graph Neural Networks with Structure-Aware Cooperative Games**

Shichang Zhang · Yozen Liu · Neil Shah · Yizhou Sun

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #339

Poster

## **Exploration-Guided Reward Shaping for Reinforcement Learning under Sparse Rewards**

Rati Devidze · Parameswaran Kamalaruban · Adish Singla

In Poster Session 5

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Poster

## **Relational Proxies: Emergent Relationships as Fine-Grained Discriminators**

ABHRA CHAUDHURI · Massimiliano Mancini · Zeynep Akata · Anjan Dutta

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #341

Poster

## **Time-Conditioned Dances with Simplicial Complexes: Zigzag Filtration Curve based Supra-Hodge Convolution Networks for Time-series Forecasting**

Yuzhou Chen · Yulia Gel · H. Vincent Poor

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #342

Poster

## **MCL-GAN: Generative Adversarial Networks with Multiple Specialized Discriminators**

Jinyoung Choi · Bohyung Han

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #442

Poster

## **Learning Individualized Treatment Rules with Many Treatments: A Supervised Clustering Approach Using Adaptive Fusion**

Haixu Ma · Donglin Zeng · Yufeng Liu

In Poster Session 5

[  Slides ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #441

Poster

## **Exploiting the Relationship Between Kendall's Rank Correlation and Cosine Similarity for Attribution Protection**

Fan Wang · Adams Wai Kin Kong

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #440

Poster

## **Back Razor: Memory-Efficient Transfer Learning by Self-Sparsified Backpropagation**

Ziyu Jiang · Xuxi Chen · Xueqin Huang · Xianzhi Du · Denny Zhou · Zhangyang Wang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #439

Poster

## **Not All Bits have Equal Value: Heterogeneous Precisions via Trainable Noise**

Pedro Savarese · Xin Yuan · Yanjing Li · Michael Maire

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #438

Poster

## **Pure Transformers are Powerful Graph Learners**

Jinwoo Kim · Dat Nguyen · Seonwoo Min · Sungjun Cho · Moontae Lee · Honglak Lee · Seunghoon Hong

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #437

Poster

## **Syndicated Bandits: A Framework for Auto Tuning Hyper-parameters in Contextual Bandit Algorithms**

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #436

Poster

**Bayesian Active Learning with Fully Bayesian Gaussian Processes**

Christoffer Riis · Francisco Antunes · Frederik Hüttel · Carlos Lima Azevedo · Francisco Pereira

In Poster Session 5

[\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #435

Poster

***k*-Sliced Mutual Information: A Quantitative Study of Scalability with Dimension**

Ziv Goldfeld · Kristjan Greenewald · Theshani Nuradha · Galen Reeves

In Poster Session 5

[\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #434

Poster

**Accelerated Projected Gradient Algorithms for Sparsity Constrained Optimization Problems**

Jan Harold Alcantara · Ching-pei Lee

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #433

Poster

**Sparse Gaussian Process Hyperparameters: Optimize or Integrate?**

Vidhi Lalchand · Wessel Bruinsma · David Burt · Carl Edward Rasmussen

In Poster Session 5

[\[ Slides \]](#) [\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #432

Poster

**Detecting Abrupt Changes in Sequential Pairwise Comparison Data**

Wanshan Li · Alessandro Rinaldo · Daren Wang

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #431

Poster

**Seeing the forest and the tree: Building representations of both individual and collective dynamics with transformers**

Ran Liu · Mehdi Azabou · Max Dabagia · Jingyun Xiao · Eva Dyer

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #430

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**Learning Fractional White Noises in Neural Stochastic Differential Equations**

Anh Tong · Thanh Nguyen-Tang · Toan Tran · Jaesik Choi

In Poster Session 5

[\[ Slides \]](#) [\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #429

Poster

**On the Frequency-bias of Coordinate-MLPs**

Sameera Ramasinghe · Lachlan E. MacDonald · Simon Lucey

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #428

Poster

**Pre-Train Your Loss: Easy Bayesian Transfer Learning with Informative Priors**

Ravid Schwartz-Ziv · Micah Goldblum · Hossein Souri · Sanyam Kapoor · Chen Zhu · Yann LeCun · Andrew Wilson

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #427

Poster

## ***GAUDI: A Neural Architect for Immersive 3D Scene Generation***

Miguel Angel Bautista · Pengsheng Guo · Samira Abnar · Walter Talbott · Alexander Toshev · Zhuoyuan Chen · In Poster Session 5  
Laurent Dinh · Shuangfei Zhai · Hanlin Goh · Daniel Ulbricht · Afshin Dehghan · Joshua Susskind

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #426

Poster

## ***Learning Debaised Classifier with Biased Committee***

Nayeong Kim · SEHYUN HWANG · Sungsoo Ahn · Jaesik Park · Suha Kwak

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #425

Poster

## ***PAC: Assisted Value Factorization with Counterfactual Predictions in Multi-Agent***

### ***Reinforcement Learning***

Hanhan Zhou · Tian Lan · Vaneet Aggarwal

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #424

Poster

## ***Recurrent Memory Transformer***

Aydar Bulatov · Yury Kuratov · Mikhail Burtsev

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #423

Poster

## ***Fast Vision Transformers with HiLo Attention***

Zizheng Pan · Jianfei Cai · Bohan Zhuang

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #422

Poster

## ***Dynamic Sparse Network for Time Series Classification: Learning What to “See”***

Qiao Xiao · Boqian Wu · Yu Zhang · Shiwei Liu · Mykola Pechenizkiy · Elena Mocanu · Decebal Constantin  
Mocanu

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #421

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## ***Hyperparameter Sensitivity in Deep Outlier Detection: Analysis and a Scalable Hyper-Ensemble Solution***

Xueying Ding · Lingxiao Zhao · Leman Akoglu

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #420

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## ***Extrapolative Continuous-time Bayesian Neural Network for Fast Training-free Test-time Adaptation***

Hengguan Huang · Xiangming Gu · Hao Wang · Chang Xiao · Hongfu Liu · Ye Wang

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #418

Poster

## ***Unsupervised Learning for Combinatorial Optimization with Principled Objective Relaxation***

Haoyu Peter Wang · Nan Wu · Hang Yang · Cong Hao · Pan Li

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #417

Poster

## **Bridging the Gap: Unifying the Training and Evaluation of Neural Network Binary Classifiers**

Nathan Tsoi · Kate Candon · Deyuan Li · Yofti Milkessa · Marynel Vázquez

In Poster Session 5

[ [Poster](#) ] [ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #416

Poster

## **Can Hybrid Geometric Scattering Networks Help Solve the Maximum Clique Problem?**

Yimeng Min · Frederik Wenkel · Michael Perlmutter · Guy Wolf

In Poster Session 5

[ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #415

Poster

## **Unsupervised Learning From Incomplete Measurements for Inverse Problems**

Julián Tachella · Dongdong Chen · Mike Davies

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #414

Poster

## **On the Double Descent of Random Features Models Trained with SGD**

Fanghui Liu · Johan Suykens · Volkan Cevher

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #413

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## **Generalization Properties of NAS under Activation and Skip Connection Search**

Zhenyu Zhu · Fanghui Liu · Grigoris Chrysos · Volkan Cevher

In Poster Session 5

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## **Neur2SP: Neural Two-Stage Stochastic Programming**

Rahul Mihir Patel · Justin Dumouchelle · Elias Khalil · Merve Bodur

In Poster Session 5

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## **Receding Horizon Inverse Reinforcement Learning**

Yiqing Xu · Wei Gao · David Hsu

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #410

Poster

## **Neural Attentive Circuits**

Martin Weiss · Nasim Rahaman · Francesco Locatello · Chris Pal · Yoshua Bengio · Bernhard Schölkopf · Li

In Poster Session 5

Erran Li · Nicolas Ballas

[ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #409

Poster

## **Interaction Modeling with Multiplex Attention**

Fan-Yun Sun · Isaac Kauvar · Ruohan Zhang · Jiachen Li · Mykel J Kochenderfer · Jiajun Wu · Nick Haber

In Poster Session 5

[ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #408

Poster

## **Measures of Information Reflect Memorization Patterns**

Rachit Bansal · Danish Pruthi · Yonatan Belinkov

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #407

Poster

## **Lottery Tickets on a Data Diet: Finding Initializations with Sparse Trainable Networks**

Mansheej Paul · Brett Larsen · Surya Ganguli · Jonathan Frankle · Gintare Karolina Dziugaitė

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #406

Poster

## **Sobolev Acceleration and Statistical Optimality for Learning Elliptic Equations via Gradient Descent**

Yiping Lu · Jose Blanchet · Lexing Ying

In Poster Session 5

[ Slides ] [  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #405

Poster

## **Blessing of Depth in Linear Regression: Deeper Models Have Flatter Landscape Around the True Solution**

Jianhao Ma · Salar Fattahī

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #404

Poster

## **Implicit Regularization or Implicit Conditioning? Exact Risk Trajectories of SGD in High Dimensions**

Courtney Paquette · Elliot Paquette · Ben Adlam · Jeffrey Pennington

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #403

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## **Proximal Learning With Opponent-Learning Awareness**

Stephen Zhao · Chris Lu · Roger Grosse · Jakob Foerster

In Poster Session 5

[ Slides ] [  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #402

Poster

## **ResQ: A Residual Q Function-based Approach for Multi-Agent Reinforcement Learning Value Factorization**

Siqi Shen · Mengwei Qiu · Jun Liu · Weiquan Liu · Yongquan Fu · Xinwang Liu · Cheng Wang

In Poster Session 5

[ Slides ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #502

Poster

## **Joint Entropy Search For Maximally-Informed Bayesian Optimization**

Carl Hvarfner · Frank Hutter · Luigi Nardi

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #503

Poster

## **Can Push-forward Generative Models Fit Multimodal Distributions?**

Antoine Salmona · Valentin De Bortoli · Julie Delon · Agnes Desolneux

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #504

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## **Learning Interface Conditions in Domain Decomposition Solvers**

Ali Taghibakhshi · Nicolas Nytka · Tareq Uz Zaman · Scott MacLachlan · Luke Olson · Matthew West

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #505

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## **Chaotic Dynamics are Intrinsic to Neural Network Training with SGD**

Luis Herrmann · Maximilian Granz · Tim Landgraf

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #506

Poster

## **An In-depth Study of Stochastic Backpropagation**

Jun Fang · Mingze Xu · Hao Chen · Bing Shuai · Zhuowen Tu · Joseph Tighe

In Poster Session 5

[ Slides ] [ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #507

Poster

## **Automatic Differentiation of Programs with Discrete Randomness**

Gaurav Arya · Moritz Schauer · Frank Schäfer · Christopher Rackauckas

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #508

Poster

## **Weakly Supervised Representation Learning with Sparse Perturbations**

Kartik Ahuja · Jason Hartford · Yoshua Bengio

In Poster Session 5

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## **Domain Generalization without Excess Empirical Risk**

Ozan Sener · Vladlen Koltun

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #510

Poster

## **Scalable Sensitivity and Uncertainty Analyses for Causal-Effect Estimates of Continuous-Valued Interventions**

Andrew Jesson · Alyson Douglas · Peter Manshausen · Nicolai Meinshausen · Philip Stier · Yarin Gal · Uri Shalit In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #511

Poster

## **Distinguishing discrete and continuous behavioral variability using warped autoregressive HMMs**

Julia Costacurta · Lea Duncker · Blue Sheffer · Winthrop Gillis · Caleb Weinreb · Jeffrey Markowitz · Sandeep R Datta · Alex Williams · Scott Linderman

In Poster Session 5

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Poster

## **Handcrafted Backdoors in Deep Neural Networks**

Sanghyun Hong · Nicholas Carlini · Alexey Kurakin

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #513

Poster

## **Multitasking Models are Robust to Structural Failure: A Neural Model for Bilingual Cognitive Reserve**

Giannis Daras · Negin Raoof · Zoi Gkaltsiou · Alex Dimakis

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #514

Poster

## **Representing Spatial Trajectories as Distributions**

Didac Suris Coll-Vinent · Carl Vondrick

In Poster Session 5

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Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #515

Poster

### **Exact Solutions of a Deep Linear Network**

Liu Ziyin · Botao Li · Xiangming Meng

In Poster Session 5

[  OpenReview ]

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Poster

### **Systematic improvement of neural network quantum states using Lanczos**

Hongwei Chen · Douglas Hendry · Phillip Weinberg · Adrian Feiguin

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #517

Poster

### **Score-Based Diffusion meets Annealed Importance Sampling**

Arnaud Doucet · Will Grathwohl · Alexander Matthews · Heiko Strathmann

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #518

Poster

### **Factored DRO: Factored Distributionally Robust Policies for Contextual Bandits**

Tong Mu · Yash Chandak · Tatsunori Hashimoto · Emma Brunskill

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #519

Poster

### **On Reinforcement Learning and Distribution Matching for Fine-Tuning Language Models with no Catastrophic Forgetting**

Tomasz Korbak · Hady Elsahar · Germán Kruszewski · Marc Dymetman

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #520

Poster

### **Learning General World Models in a Handful of Reward-Free Deployments**

Yingchen Xu · Jack Parker-Holder · Aldo Pacchiano · Philip Ball · Oleh Rybkin · S Roberts · Tim Rocktäschel · Edward Grefenstette

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #521

Poster

### **LISA: Learning Interpretable Skill Abstractions from Language**

Divyansh Garg · Skanda Vaidyanath · Kuno Kim · Jiaming Song · Stefano Ermon

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #522

Poster

### **SAMURAI: Shape And Material from Unconstrained Real-world Arbitrary Image collections**

Mark Boss · Andreas Engelhardt · Abhishek Kar · Yuanzhen Li · Deqing Sun · Jonathan Barron · Hendrik PA Lensch · Varun Jampani

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #523

Poster

### **Geometric Knowledge Distillation: Topology Compression for Graph Neural Networks**

Chenxiao Yang · Qitian Wu · Junchi Yan

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #524

Poster

## ***FourierNets enable the design of highly non-local optical encoders for computational imaging***

Diptop Deb · Zhenfei Jiao · Ruth Sims · Alex Chen · Michael Broxton · Misha B Ahrens · Kaspar Podgorski · Srinivas C Turaga

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #525

Poster

## ***Learning to Scaffold: Optimizing Model Explanations for Teaching***

Patrick Fernandes · Marcos Treviso · Danish Pruthi · André Martins · Graham Neubig

In Poster Session 5

[ Slides ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #526

Poster

## ***SCONE: Surface Coverage Optimization in Unknown Environments by Volumetric Integration***

Antoine Guedon · Pascal Monasse · Vincent Lepetit

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #527

Poster

## ***VisCo Grids: Surface Reconstruction with Viscosity and Coarea Grids***

Albert Pumarola · Artsiom Sanakoyeu · Lior Yariv · Ali Thabet · Yaron Lipman

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #528

Poster

## ***A Conditional Randomization Test for Sparse Logistic Regression in High-Dimension***

Binh T. Nguyen · Bertrand Thirion · Sylvain Arlot

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #529

Poster

## ***Reduction Algorithms for Persistence Diagrams of Networks: CoralTDA and PrunIT***

Cuneyt G Akcora · Murat Kantarcioglu · Yulia Gel · Baris Coskunuzer

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #530

Poster

## ***A Consolidated Cross-Validation Algorithm for Support Vector Machines via Data Reduction***

Boxiang Wang · Archer Yang

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #531

Poster

## ***RISE: Robust Individualized Decision Learning with Sensitive Variables***

Xiaoqing Tan · Zhengling Qi · Christopher Seymour · Lu Tang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #532

Poster

## ***Learning NP-Hard Multi-Agent Assignment Planning using GNN: Inference on a Random Graph and Provable Auction-Fitted Q-learning***

HYUNWOOK KANG · Taehwan Kwon · Jinkyoo Park · James R. Morrison

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #533

Poster

## **Tractable Optimality in Episodic Latent MABs**

Jeongyeol Kwon · Yonathan Efroni · Constantine Caramanis · Shie Mannor

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #534

Poster

## **Causal Identification under Markov equivalence: Calculus, Algorithm, and Completeness**

Amin Jaber · Adele Ribeiro · Jiji Zhang · Elias Bareinboim

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #535

Poster

## **Non-Gaussian Tensor Programs**

Eugene Golikov · Greg Yang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #536

Poster

## **Nonparametric Uncertainty Quantification for Single Deterministic Neural Network**

Nikita Kotelevskii · Aleksandr Artymenkov · Kirill Fedyanin · Fedor Noskov · Alexander Fishkov · Artem Shelmanov · Artem Vazhentsev · Aleksandr Petushko · Maxim Panov

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #537

Poster

## **Nest Your Adaptive Algorithm for Parameter-Agnostic Nonconvex Minimax Optimization**

Junchi YANG · Xiang Li · Niao He

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #538

Poster

## **DP-PCA: Statistically Optimal and Differentially Private PCA**

Xiyang Liu · Weihao Kong · Prateek Jain · Sewoong Oh

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #539

Poster

## **DOPE: Doubly Optimistic and Pessimistic Exploration for Safe Reinforcement Learning**

Archana Bura · Aria HasanzadehZonouzi · Dileep Kalathil · Srinivas Shakkottai · Jean-Francois Chamberland

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #540

Poster

## **Acceleration in Distributed Sparse Regression**

Marie Maros · Gesualdo Scutari

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #541

Poster

## **Communication Acceleration of Local Gradient Methods via an Accelerated Primal-Dual**

### **Algorithm with an Inexact Prox**

Abdurakhmon Sadiev · Dmitry Kovalev · Peter Richtarik

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #542

Poster

## **Chefs' Random Tables: Non-Trigonometric Random Features**

Valerii Likhoshesterov · Krzysztof M Choromanski · Kumar Avinava Dubey · Frederick Liu · Tamas Sarlos · Adrian Weller

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #642

Poster

### **Local-Global MCMC kernels: the best of both worlds**

Sergey Samsonov · Evgeny Lagutin · Marylou Gabré · Alain Durmus · Alexey Naumov · Eric Moulines

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #641

Poster

### **Rapid Model Architecture Adaption for Meta-Learning**

Yiren Zhao · Xitong Gao · I Shumailov · Nicolo Fusi · Robert Mullins

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #640

Poster

### **UnfoldML: Cost-Aware and Uncertainty-Based Dynamic 2D Prediction for Multi-Stage Classification**

Yanbo Xu · Alind Khare · Glenn Matlin · Monish Ramadoss · Rishikesan Kamaleswaran · Chao Zhang · Alexey Tumanov

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #639

Poster

### **Thor: Wielding Hammers to Integrate Language Models and Automated Theorem Provers**

Albert Qiaochu Jiang · Wenda Li · Szymon Tworkowski · Konrad Czechowski · Tomasz Odrzygóźdż · Piotr Miłoś · Yuhuai Wu · Mateja Jamnik

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #638

Poster

### **MonoSDF: Exploring Monocular Geometric Cues for Neural Implicit Surface Reconstruction**

Zehao Yu · Songyou Peng · Michael Niemeyer · Torsten Sattler · Andreas Geiger

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #637

Poster

### **Implicit Warping for Animation with Image Sets**

Arun Mallya · Ting-Chun Wang · Ming-Yu Liu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #636

Poster

### **Learning Viewpoint-Agnostic Visual Representations by Recovering Tokens in 3D Space**

Jinghuan Shang · Srijan Das · Michael Ryoo

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #635

Poster

### **VLMo: Unified Vision-Language Pre-Training with Mixture-of-Modality-Experts**

Hangbo Bao · Wenhui Wang · Li Dong · Qiang Liu · Owais Khan Mohammed · Kriti Aggarwal · Subhajit Som · Songhao Piao · Furu Wei

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #634

Poster

### **Few-shot Image Generation via Adaptation-Aware Kernel Modulation**

Yunqing Zhao · Keshigeyan Chandrasegaran · Milad Abdollahzadeh · Ngai-Man (Man) Cheung

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #633

Poster

### **Test-Time Prompt Tuning for Zero-Shot Generalization in Vision-Language Models**

Manli Shu · Weili Nie · De-An Huang · Zhiding Yu · Tom Goldstein · Anima Anandkumar · Chaowei Xiao

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #632

Poster

### **TokenMixup: Efficient Attention-guided Token-level Data Augmentation for Transformers**

Hyeyoung Kyu Choi · Joonmyung Choi · Hyunwoo Kim

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #631

Poster

### **SPD domain-specific batch normalization to crack interpretable unsupervised domain adaptation in EEG**

Reinmar Kobler · Jun-ichiro Hirayama · Qibin Zhao · Motoaki Kawanabe

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #630

Poster

### **Locally Hierarchical Auto-Regressive Modeling for Image Generation**

Tackgeun You · Saehoon Kim · Chiheon Kim · Doyup Lee · Bohyung Han

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #629

Poster

### **Deep Generative Model for Periodic Graphs**

Shiyu Wang · Xiaojie Guo · Liang Zhao

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #628

Poster

### **Point-M2AE: Multi-scale Masked Autoencoders for Hierarchical Point Cloud Pre-training**

Renrui Zhang · Ziyu Guo · Peng Gao · Rongyao Fang · Bin Zhao · Dong Wang · Yu Qiao · Hongsheng Li

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #627

Poster

### **AutoST: Towards the Universal Modeling of Spatio-temporal Sequences**

Jianxin Li · Shuai Zhang · Hui Xiong · Haoyi Zhou

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #626

Poster

### **Egocentric Video-Language Pretraining**

Kevin Qinghong Lin · Jinpeng Wang · Mattia Soldan · Michael Wray · Rui Yan · Eric Z. XU · Difei Gao · Rong-Cheng Tu · Wenzhe Zhao · Weijie Kong · Chengfei Cai · WANG HongFa · Dima Damen · Bernard Ghanem · Wei Liu · Mike Zheng Shou

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #625

Poster

### **Learning Active Camera for Multi-Object Navigation**

Peihao Chen · Dongyu Ji · Kunyang Lin · Weiwen Hu · Wenbing Huang · Thomas Li · Mingkui Tan · Chuang Gan In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #624

Poster

### **Maximum a posteriori natural scene reconstruction from retinal ganglion cells with deep denoiser priors**

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #623

Poster

**Assaying Out-Of-Distribution Generalization in Transfer Learning**

Florian Wenzel · Andrea Dittadi · Peter Gehler · Carl-Johann Simon-Gabriel · Max Horn · Dominik Zietlow · David In Poster Session 5 Kernert · Chris Russell · Thomas Brox · Bernt Schiele · Bernhard Schölkopf · Francesco Locatello

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #622

Poster

**Not too little, not too much: a theoretical analysis of graph (over)smoothing**

Nicolas Keriven

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #621

Poster

**The Stability-Efficiency Dilemma: Investigating Sequence Length Warmup for Training****GPT Models**

Conglong Li · Minjia Zhang · Yuxiong He

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #620

Poster

**Squeezeformer: An Efficient Transformer for Automatic Speech Recognition**

Sehoon Kim · Amir Gholami · Albert Shaw · Nicholas Lee · Karttikeya Mangalam · Jitendra Malik · Michael Mahoney · Kurt Keutzer

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #619

Poster

**GREED: A Neural Framework for Learning Graph Distance Functions**

Rishabh Ranjan · Siddharth Grover · Sourav Medya · Venkatesan Chakaravarthy · Yogish Sabharwal · Sayan Ranu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #618

Poster

**Zeroth-Order Negative Curvature Finding: Escaping Saddle Points without Gradients**

Hualin Zhang · Huan Xiong · Bin Gu

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #617

Poster

**Does Momentum Change the Implicit Regularization on Separable Data?**

Bohan Wang · Qi Meng · Huishuai Zhang · Ruoyu Sun · Wei Chen · Zhi-Ming Ma · Tie-Yan Liu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #616

Poster

**Lower Bounds on Randomly Preconditioned Lasso via Robust Sparse Designs**

Jonathan Kelner · Frederic Koehler · Raghu Meka · Dhruv Rohatgi

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #615

Poster

**Robust On-Policy Sampling for Data-Efficient Policy Evaluation in Reinforcement Learning**

Ruijie Zhong · Duohan Zhang · Lukas Schäfer · Stefano Albrecht · Josiah Hanna

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #614

Poster

**Redundant representations help generalization in wide neural networks**

Diego Doimo · Aldo Glielmo · Sebastian Goldt · Alessandro Laio

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #613

Poster

**Explainability Via Causal Self-Talk**

Nicholas Roy · Junkyung Kim · Neil Rabinowitz

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #612

Poster

**Learn what matters: cross-domain imitation learning with task-relevant embeddings**

Tim Franzmeyer · Philip Torr · João Henriques

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #611

Poster

**Learning to Compare Nodes in Branch and Bound with Graph Neural Networks**

Abdel Ghani Labassi · Didier Chetelat · Andrea Lodi

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #610

Poster

**MoCoDA: Model-based Counterfactual Data Augmentation**

Silvius Pitis · Elliot Creager · Ajay Mandlekar · Animesh Garg

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #609

Poster

**Subsidiary Prototype Alignment for Universal Domain Adaptation**

Jogendra Nath Kundu · Suvaansh Bhambri · Akshay R Kulkarni · Hiran Sarkar · Varun Jampani · Venkatesh Babu R

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #608

Poster

**A Fast Post-Training Pruning Framework for Transformers**

Woosuk Kwon · Sehoon Kim · Michael Mahoney · Joseph Hassoun · Kurt Keutzer · Amir Gholami

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #607

Poster

**Dynamic Inverse Reinforcement Learning for Characterizing Animal Behavior**

Zoe Ashwood · Aditi Jha · Jonathan Pillow

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #606

Poster

**NeuPhysics: Editable Neural Geometry and Physics from Monocular Videos**

Yi-Ling Qiao · Alexander Gao · Ming Lin

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #605

Poster

**Hyper-Representations as Generative Models: Sampling Unseen Neural Network Weights**

Konstantin Schürholt · Boris Knyazev · Xavier Giro-i-Nieto · Damian Borth

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #604

Poster

**DeepMed: Semiparametric Causal Mediation Analysis with Debiased Deep Learning**

Siqi Xu · Lin Liu · Zhonghua Liu

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #603

Poster

**Power and limitations of single-qubit native quantum neural networks**

Zhan Yu · Hongshun Yao · Mujin Li · Xin Wang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #602

Poster

**SHAQ: Incorporating Shapley Value Theory into Multi-Agent Q-Learning**

Jianhong Wang · Yuan Zhang · Yunjie Gu · Tae-Kyun Kim

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #701

Poster

**Heatmap Distribution Matching for Human Pose Estimation**

Haoxuan Qu · Li Xu · Yujun Cai · Lin Geng Foo · Jun Liu

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #702

Poster

**Tensor Program Optimization with Probabilistic Programs**

Junru Shao · Xiyou Zhou · Siyuan Feng · Bohan Hou · Ruihang Lai · Hongyi Jin · Wuwei Lin · Masahiro Masuda · In Poster Session 5  
Cody Hao Yu · Tianqi Chen

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #703

Poster

**Skills Regularized Task Decomposition for Multi-task Offline Reinforcement Learning**

Minjong Yoo · SangWoo Cho · Honguk Woo

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #704

Poster

**Benign Overfitting in Two-layer Convolutional Neural Networks**

Yuan Cao · Zixiang Chen · Misha Belkin · Quanquan Gu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #705

Poster

**Task Discovery: Finding the Tasks that Neural Networks Generalize on**

Andrei Atanov · Andrey Filatov · Teresa Yeo · Ajay Sohmshetty · Amir Zamir

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #706

Poster

**Retrieve, Reason, and Refine: Generating Accurate and Faithful Patient Instructions**

Fenglin Liu · Bang Yang · Chenyu You · Xian Wu · Shen Ge · Zhangdaihong Liu · Xu Sun · Yang Yang · David Clifton

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #707

Poster

## **NUWA-Infinity: Autoregressive over Autoregressive Generation for Infinite Visual Synthesis**

Jian Liang · Chenfei Wu · Xiaowei Hu · Zhe Gan · Jianfeng Wang · Lijuan Wang · Zicheng Liu · Yuejian Fang · In Poster Session 5  
Nan Duan

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #708

Poster

## **MORA: Improving Ensemble Robustness Evaluation with Model Reweighting Attack**

yunrui yu · Xitong Gao · Cheng-Zhong Xu · In Poster Session 5

[ Slides ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #709

Poster

## **Unsupervised Representation Learning from Pre-trained Diffusion Probabilistic Models**

Zijian Zhang · Zhou Zhao · Zhijie Lin · In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #710

Poster

## **MissDAG: Causal Discovery in the Presence of Missing Data with Continuous Additive Noise Models**

Erdun Gao · Ignavier Ng · Mingming Gong · Li Shen · Wei Huang · Tongliang Liu · Kun Zhang · Howard Bondell · In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #711

Poster

## **Domain Adaptation under Open Set Label Shift**

Saurabh Garg · Sivaraman Balakrishnan · Zachary Lipton · In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #712

Poster

## **Lethal Dose Conjecture on Data Poisoning**

Wenxiao Wang · Alexander Levine · Soheil Feizi · In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #713

Poster

## **Emergent Communication: Generalization and Overfitting in Lewis Games**

Mathieu Rita · Corentin Tallec · Paul Michel · Jean-Bastien Grill · Olivier Pietquin · Emmanuel Dupoux · Florian Strub · In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #714

Poster

## **Asymptotic Properties for Bayesian Neural Network in Besov Space**

Kyeongwon Lee · Jaeyong Lee · In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #715

Poster

## **On Uncertainty, Tempering, and Data Augmentation in Bayesian Classification**

Sanyam Kapoor · Wesley Maddox · Pavel Izmailov · Andrew Wilson · In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #716

Poster

## **Memorization Without Overfitting: Analyzing the Training Dynamics of Large Language Models**

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #717

Poster

***Multi-fidelity Monte Carlo: a pseudo-marginal approach***

Diana Cai · Ryan Adams

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #718

Poster

***Near-Optimal Correlation Clustering with Privacy***

Vincent Cohen-Addad · Chenglin Fan · Silvio Lattanzi · Slobodan Mitrovic · Ashkan Norouzi-Fard · Nikos Parotsidis · Jakub Tarnawski

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #719

Poster

***Rethinking Variational Inference for Probabilistic Programs with Stochastic Support***

Tim Reichelt · Luke Ong · Thomas Rainforth

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #720

Poster

***Improved Differential Privacy for SGD via Optimal Private Linear Operators on Adaptive Streams***

Sergey Denisov · H. Brendan McMahan · John Rush · Adam Smith · Abhradeep Guha Thakurta

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #722

Poster

***Positively Weighted Kernel Quadrature via Subsampling***

Satoshi Hayakawa · Harald Oberhauser · Terry Lyons

In Poster Session 5

[ Slides ] [  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #723

Poster

***On the non-universality of deep learning: quantifying the cost of symmetry***

Emmanuel Abbe · Enric Boix-Adsera

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #724

Poster

***Globally Convergent Policy Search for Output Estimation***

Jack Umenberger · Max Simchowitz · Juan Perdomo · Kaiqing Zhang · Russ Tedrake

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #725

Poster

***Optimistic Tree Searches for Combinatorial Black-Box Optimization***

Cedric Malherbe · Antoine Grosnit · Rasul Tutunov · Haitham Bou Ammar · Jun Wang

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #726

Poster

***Tikhonov Regularization is Optimal Transport Robust under Martingale Constraints***

Jiajin Li · Sirui Lin · Jose Blanchet · Viet Anh Nguyen

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #727

Poster

## **IMED-RL: Regret optimal learning of ergodic Markov decision processes**

Fabien Pesquerel · Odalric-Ambrym Maillard

In Poster Session 5

[ Slides ] [ Poster ] [ ⚭ OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #728

Poster

## **Lifting the Information Ratio: An Information-Theoretic Analysis of Thompson Sampling for Contextual Bandits**

Gergely Neu · Iuliia Oikhovskaia · Matteo Papini · Ludovic Schwartz

In Poster Session 5

[ Poster ] [ ⚭ OpenReview ] [ ⚭ Topia ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #729

Poster

## **KSD Aggregated Goodness-of-fit Test**

Antonin Schrab · Benjamin Guedj · Arthur Gretton

In Poster Session 5

[ ⚭ OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #730

Poster

## **Latent Hierarchical Causal Structure Discovery with Rank Constraints**

Biwei Huang · Charles Jia Han Low · Feng Xie · Clark Glymour · Kun Zhang

In Poster Session 5

[ Poster ] [ ⚭ OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #731

Poster

## **In Differential Privacy, There is Truth: on Vote-Histogram Leakage in Ensemble Private Learning**

JIAQI WANG · Roei Schuster · I Shumailov · David Lie · Nicolas Papernot

In Poster Session 5

[ ⚭ OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #732

Poster

## **Explicit Tradeoffs between Adversarial and Natural Distributional Robustness**

Mazda Moayeri · Kiarash Banihashem · Soheil Feizi

In Poster Session 5

[ ⚭ OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #734

Poster

## **A Mean-Field Game Approach to Cloud Resource Management with Function Approximation**

Weichao Mao · Haoran Qiu · Chen Wang · Hubertus Franke · Zbigniew Kalbarczyk · Ravishankar Iyer · Tamer Basar

[ Poster ] [ ⚭ OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #735

Poster

## **On Privacy and Personalization in Cross-Silo Federated Learning**

Ken Liu · Shengyuan Hu · Steven Wu · Virginia Smith

In Poster Session 5

[ Poster ] [ ⚭ OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #736

Poster

## **Byzantine Spectral Ranking**

Arnhav Datar · Arun Rajkumar · John Augustine

In Poster Session 5

[ Slides ] [ Poster ] [ ⚭ OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #737

Poster

## **Learning to Follow Instructions in Text-Based Games**

Mathieu Tuli · Andrew Li · Pashootan Vaezipoor · Toryn Klassen · Scott Sanner · Sheila McIlraith

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #738

Poster

## **Convergent Representations of Computer Programs in Human and Artificial Neural Networks**

Shashank Srikant · Ben Lipkin · Anna Ivanova · Evelina Fedorenko · Una-May O'Reilly

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #739

Poster

## **Emergence of Hierarchical Layers in a Single Sheet of Self-Organizing Spiking Neurons**

Paul Bertens · Seong-Whan Lee

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #740

Poster

## **Matrix Multiplicative Weights Updates in Quantum Zero-Sum Games: Conservation Laws & Recurrence**

Rahul Jain · Georgios Piliouras · Ryann Sim

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #741

Poster

## **Structural Analysis of Branch-and-Cut and the Learnability of Gomory Mixed Integer Cuts**

Maria-Florina Balcan · Siddharth Prasad · Tuomas Sandholm · Ellen Vitercik

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #742

Poster

## **Robust Rent Division**

Dominik Peters · Ariel Procaccia · David Zhu

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1001

Poster

## **Exploring the Whole Rashomon Set of Sparse Decision Trees**

Rui Xin · Chudi Zhong · Zhi Chen · Takuya Takagi · Margo Seltzer · Cynthia Rudin

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #842

Poster

## **A Classification of $G$ -invariant Shallow Neural Networks**

Devanshu Agrawal · James Ostrowski

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #841

Poster

## **Polynomial time guarantees for the Burer-Monteiro method**

Diego Cifuentes · Ankur Moitra

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #840

Poster

## **A sharp NMF result with applications in network modeling**

Jiashun Jin

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #839

Poster

## **Uncoupled Learning Dynamics with $O(\log T)$ Swap Regret in Multiplayer Games**

Ioannis Anagnostides · Gabriele Farina · Christian Kroer · Chung-Wei Lee · Haipeng Luo · Tuomas Sandholm    In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #838

Poster

## **Average Sensitivity of Euclidean $k$ -Clustering**

Yuichi Yoshida · Shinji Ito

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #837

Poster

## **A gradient sampling method with complexity guarantees for Lipschitz functions in high and low dimensions**

Damek Davis · Dmitriy Drusvyatskiy · Yin Tat Lee · Swati Padmanabhan · Guanghao Ye

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #836

Poster

## **Dynamic pricing and assortment under a contextual MNL demand**

Noemie Perivier · Vineet Goyal

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #835

Poster

## **Accelerating SGD for Highly Ill-Conditioned Huge-Scale Online Matrix Completion**

Jialun Zhang · Hong-Ming Chiu · Richard Y Zhang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #834

Poster

## **Robustness in deep learning: The good (width), the bad (depth), and the ugly (initialization)**

Zhenyu Zhu · Fanghui Liu · Grigoris Chrysos · Volkan Cevher

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #833

Poster

## **Performative Power**

Moritz Hardt · Meena Jagadeesan · Celestine Mendler-Dünner

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #831

Poster

## **Is Sortition Both Representative and Fair?**

Soroush Ebadian · Gregory Kehne · Evi Micha · Ariel Procaccia · Nisarg Shah

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #830

Poster

## **Improved Bounds on Neural Complexity for Representing Piecewise Linear Functions**

Kuan-Lin Chen · Harinath Garudadri · Bhaskar D Rao

In Poster Session 5

[  Slides ] [  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #829

Poster

## **Nearly-Tight Bounds for Testing Histogram Distributions**

Clément L Canonne · Ilias Diakonikolas · Daniel Kane · Sihan Liu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #828

Poster

## **Quantum Algorithms for Sampling Log-Concave Distributions and Estimating**

### **Normalizing Constants**

Andrew M. Childs · Tongyang Li · Jin-Peng Liu · Chunhao Wang · Ruizhe Zhang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #827

Poster

## **A consistently adaptive trust-region method**

Fadi Hamad · Oliver Hinder

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #826

Poster

## **Single-pass Streaming Lower Bounds for Multi-armed Bandits Exploration with Instance-sensitive Sample Complexity**

Sepehr Assadi · Chen Wang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #825

Poster

## **On Infinite Separations Between Simple and Optimal Mechanisms**

Alexandros Psomas · Ariel Schwartzman Cohenca · S. Weinberg

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #824

Poster

## **Near-Optimal Private and Scalable $k$ -Clustering**

Vincent Cohen-Addad · Alessandro Epasto · Vahab Mirrokni · Shyam Narayanan · Peilin Zhong

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #823

Poster

## **Asymptotics of smoothed Wasserstein distances in the small noise regime**

Yunzi Ding · Jonathan Niles-Weed

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #822

Poster

## **Finite-Sample Maximum Likelihood Estimation of Location**

Shivam Gupta · Jasper Lee · Eric Price · Paul Valiant

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #821

Poster

## **High-dimensional Asymptotics of Feature Learning: How One Gradient Step Improves the Representation**

Jimmy Ba · Murat Erdogdu · Taiji Suzuki · Zhichao Wang · Denny Wu · Greg Yang

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #820

Poster

## **Fast Distance Oracles for Any Symmetric Norm**

Yichuan Deng · Zhao Song · OMRI WEINSTEIN · Ruizhe Zhang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #819

Poster

## **Momentum Aggregation for Private Non-convex ERM**

Hoang Tran · Ashok Cutkosky

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #818

Poster

**Differentially Private Generalized Linear Models Revisited**

Raman Arora · Raef Bassily · Cristóbal Guzmán · Michael Menart · Enayat Ullah

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #817

Poster

**Thinking Outside the Ball: Optimal Learning with Gradient Descent for Generalized Linear Stochastic Convex Optimization**

Idan Amir · Roi Livni · Nati Srebro

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #816

Poster

**A Simple and Optimal Policy Design for Online Learning with Safety against Heavy-tailed Risk**

David Simchi-Levi · Zeyu Zheng · Feng Zhu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #815

Poster

**Optimal and Adaptive Monteiro-Svaiter Acceleration**

Yair Carmon · Danielle Hausler · Arun Jambulapati · Yujia Jin · Aaron Sidford

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #814

Poster

**Continuous Deep Q-Learning in Optimal Control Problems: Normalized Advantage Functions Analysis**

Anton Plaksin · Stepan Martyanov

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #813

Poster

**Falsification before Extrapolation in Causal Effect Estimation**

Zeshan M Hussain · Michael Oberst · Ming-Chieh Shih · David Sontag

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #812

Poster

**Non-monotonic Resource Utilization in the Bandits with Knapsacks Problem**

Raunak Kumar · Robert Kleinberg

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #811

Poster

**Bezier Gaussian Processes for Tall and Wide Data**

Martin Jørgensen · Michael A Osborne

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #810

Poster

**A Characterization of Semi-Supervised Adversarially Robust PAC Learnability**

Idan Attias · Steve Hanneke · Yishay Mansour

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #809

Poster

## Fairness in Federated Learning via Core-Stability

Bhaskar Ray Chaudhury · Linyi Li · Mintong Kang · Bo Li · Ruta Mehta

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #808

Poster

## A Communication-Efficient Distributed Gradient Clipping Algorithm for Training Deep Neural Networks

Mingrui Liu · Zhenxun Zhuang · Yunwen Lei · Chunyang Liao

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #807

Poster

## Why Robust Generalization in Deep Learning is Difficult: Perspective of Expressive Power

Binghui Li · Jikai Jin · Han Zhong · John Hopcroft · Liwei Wang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #806

Poster

## Hidden Progress in Deep Learning: SGD Learns Parities Near the Computational Limit

Boaz Barak · Benjamin Edelman · Surbhi Goel · Sham Kakade · Eran Malach · Cyril Zhang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #805

Poster

## On the consistent estimation of optimal Receiver Operating Characteristic (ROC) curve

Renxiong Liu · Yunzhang Zhu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #804

Poster

## Iron: Private Inference on Transformers

Meng Hao · Hongwei Li · Hanxiao Chen · Pengzhi Xing · Guowen Xu · Tianwei Zhang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #803

Poster

## Unsupervised Learning under Latent Label Shift

Manley Roberts · Pranav Mani · Saurabh Garg · Zachary Lipton

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #802

Poster

## Decentralized, Communication- and Coordination-free Learning in Structured Matching Markets

Chinmay Maheshwari · Shankar Sastry · Eric Mazumdar

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #801

Poster

## Tsetlin Machine for Solving Contextual Bandit Problems

Raihan Seraj · Jivitesh Sharma · Ole-Christoffer Granmo

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #800

Poster

## Learning-based Motion Planning in Dynamic Environments Using GNNs and Temporal Encoding

Ruipeng Zhang · Chenning Yu · Jingkai Chen · Chuchu Fan · Sicun Gao

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #900

Poster

**Mutual Information Divergence: A Unified Metric for Multimodal Generative Models**

Jin-Hwa Kim · Yunji Kim · Jiyoung Lee · Kang Min Yoo · Sang-Woo Lee

In Poster Session 5

[ [Poster](#) ] [  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #901

Poster

**Sparse2Dense: Learning to Densify 3D Features to Boost 3D Object Detection**

Tianyu Wang · Xiaowei Hu · Zhengzhe LIU · Chi-Wing Fu

In Poster Session 5

[ [Poster](#) ] [  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #902

Poster

**AD-DROP: Attribution-Driven Dropout for Robust Language Model Fine-Tuning**

Tao Yang · Jinghao Deng · Xiaojun Quan · Qifan Wang · Shaoliang Nie

In Poster Session 5

[ [Slides](#) ] [ [Poster](#) ] [  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #903

Poster

**Trading off Image Quality for Robustness is not Necessary with Regularized Deterministic Autoencoders**

Amrutha Saseendran · Kathrin Skubch · Stefan Falkner · Margret Keuper

In Poster Session 5

[ [Poster](#) ] [  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #904

Poster

**Training stochastic stabilized supralinear networks by dynamics-neutral growth**

Wayne Soo · Mate Lengyel

In Poster Session 5

[  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #905

Poster

**Using Mixup as a Regularizer Can Surprisingly Improve Accuracy & Out-of-Distribution Robustness**

Francesco Pinto · Harry Yang · Ser Nam Lim · Philip Torr · Puneet Dokania

In Poster Session 5

[  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #906

Poster

**Rashomon Capacity: A Metric for Predictive Multiplicity in Classification**

Hsiang Hsu · Flavio Calmon

In Poster Session 5

[ [Poster](#) ] [  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #907

Poster

**Parametrically Retargetable Decision-Makers Tend To Seek Power**

Alex Turner · Prasad Tadepalli

In Poster Session 5

[  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #908

Poster

**Structured Recognition for Generative Models with Explaining Away**

Changmin Yu · Hugo Soulat · Neil Burgess · Maneesh Sahani

In Poster Session 5

[  [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #909

Poster

**A Continuous Time Framework for Discrete Denoising Models**

Andrew Campbell · Joe Benton · Valentin De Bortoli · Thomas Rainforth · George Deligiannidis · Arnaud Doucet In Poster Session 5

[ [Poster](#) ] [ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #910

Poster

### **TPU-KNN: K Nearest Neighbor Search at Peak FLOPs**

Felix Chern · Blake Hechtman · Andy Davis · Ruiqi Guo · David Majnerer · Sanjiv Kumar

In Poster Session 5

[ [Poster](#) ] [ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #911

Poster

### **Pragmatically Learning from Pedagogical Demonstrations in Multi-Goal Environments**

Hugo Caselles-Dupré · Olivier Sigaud · Mohamed CHETOUANI

In Poster Session 5

[ [Poster](#) ] [ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #912

Poster

### **Photorealistic Text-to-Image Diffusion Models with Deep Language Understanding**

Chitwan Saharia · William Chan · Saurabh Saxena · Lala Li · Jay Whang · Emily Denton · Seyed Kamyar Seyed In Poster Session 5

Ghasemipour · Raphael Gontijo Lopes · Burcu Karagol Ayan · Tim Salimans · Jonathan Ho · David Fleet · Mohammad Norouzi

[ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #913

Poster

### **An Embarrassingly Simple Approach to Semi-Supervised Few-Shot Learning**

Xiu-Shen Wei · H.-Y. Xu · Faen Zhang · Yuxin Peng · Wei Zhou

In Poster Session 5

[ [Poster](#) ] [ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #914

Poster

### **Emergent Graphical Conventions in a Visual Communication Game**

Shuwen Qiu · Sirui Xie · Lifeng Fan · Tao Gao · Jungseock Joo · Song-Chun Zhu · Yixin Zhu

In Poster Session 5

[ [Poster](#) ] [ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #915

Poster

### **A Geometric Perspective on Variational Autoencoders**

Clément Chadebec · Stephanie Alllassonniere

In Poster Session 5

[ [Poster](#) ] [ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #916

Poster

### **Semantic Probabilistic Layers for Neuro-Symbolic Learning**

Kareem Ahmed · Stefano Teso · Kai-Wei Chang · Guy Van den Broeck · Antonio Vergari

In Poster Session 5

[ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #917

Poster

### **DevFly: Bio-Inspired Development of Binary Connections for Locality Preserving Sparse Codes**

Tianqi Wei · Rana Alkhouri Maroun · Qinghai Guo · Barbara Webb

In Poster Session 5

[ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #918

Poster

### **Trap and Replace: Defending Backdoor Attacks by Trapping Them into an Easy-to-Replace Subnetwork**

Haotao Wang · Junyuan Hong · Aston Zhang · Jiayu Zhou · Zhangyang Wang

In Poster Session 5

[ [OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #919

Poster

### ***NOTE: Robust Continual Test-time Adaptation Against Temporal Correlation***

Taesik Gong · Jongheon Jeong · Taewon Kim · Yewon Kim · Jinwoo Shin · Sung-Ju Lee

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #920

Poster

### ***Periodic Graph Transformers for Crystal Material Property Prediction***

Keqiang Yan · Yi Liu · Yuchao Lin · Shuiwang Ji

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #921

Poster

### ***MCVD - Masked Conditional Video Diffusion for Prediction, Generation, and Interpolation***

Vikram Voleti · Alexia Jolicoeur-Martineau · Chris Pal

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #922

Poster

### ***Approximation with CNNs in Sobolev Space: with Applications to Classification***

Jian Huang · Guohao Shen · Yuling Jiao · Yuanyuan Lin

In Poster Session 5

[ Slides ] [ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #923

Poster

### ***MultiGuard: Provably Robust Multi-label Classification against Adversarial Examples***

Jinyuan Jia · Wenjie Qu · Neil Gong

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #924

Poster

### ***Theoretically Provable Spiking Neural Networks***

Shao-Qun Zhang · Zhi-Hua Zhou

In Poster Session 5

[ Slides ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #925

Poster

### ***CogView2: Faster and Better Text-to-Image Generation via Hierarchical Transformers***

Ming Ding · Wendi Zheng · Wenyi Hong · Jie Tang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #926

Poster

### ***ReCo: Retrieve and Co-segment for Zero-shot Transfer***

Gyungin Shin · Weidi Xie · Samuel Albanie

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #927

Poster

### ***Online Decision Mediation***

Daniel Jarrett · Alihan Hüyük · Mihaela van der Schaar

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #928

Poster

### ***Collaborative Decision Making Using Action Suggestions***

Dylan Asmar · Mykel J Kochenderfer

In Poster Session 5

[ Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #929

Poster

## **When does dough become a bagel? Analyzing the remaining mistakes on ImageNet**

Vijay Vasudevan · Benjamin Caine · Raphael Gontijo Lopes · Sara Fridovich-Keil · Rebecca Roelofs

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #930

Poster

## **Toward Equation of Motion for Deep Neural Networks: Continuous-time Gradient Descent and Discretization Error Analysis**

Taiki Miyagawa

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #931

Poster

## **Revisiting Optimal Convergence Rate for Smooth and Non-convex Stochastic Decentralized Optimization**

Kun Yuan · Xinxmeng Huang · Yiming Chen · Xiaohan Zhang · Yingya Zhang · PAN PAN

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #932

Poster

## **Differentially Private Linear Sketches: Efficient Implementations and Applications**

Fuheng Zhao · Dan Qiao · Rachel Redberg · Divyakant Agrawal · Amr El Abbadi · Yu-Xiang Wang

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #933

Poster

## **Pruning has a disparate impact on model accuracy**

Cuong Tran · Ferdinando Fioretto · Jung-Eun Kim · Rakshit Naidu

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #934

Poster

## **Differentiable Analog Quantum Computing for Optimization and Control**

Jiaqi Leng · Yuxiang Peng · Yi-Ling Qiao · Ming Lin · Xiaodi Wu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #935

Poster

## **CCCP is Frank-Wolfe in disguise**

Alp Yurtsever · Suvrit Sra

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #936

Poster

## **Towards Optimal Communication Complexity in Distributed Non-Convex Optimization**

Kumar Kshitij Patel · Lingxiao Wang · Blake Woodworth · Brian Bullins · Nati Srebro

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #937

Poster

## **Better SGD using Second-order Momentum**

Hoang Tran · Ashok Cutkosky

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #938

Poster

## **Data-Efficient Structured Pruning via Submodular Optimization**

Marwa El Halabi · Suraj Srinivas · Simon Lacoste-Julien

In Poster Session 5

[  Poster ] [  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #939

Poster

## **Safe Opponent-Exploitation Subgame Refinement**

Mingyang Liu · Chengjie Wu · Qihan Liu · Yansen Jing · Jun Yang · Pingzhong Tang · Chongjie Zhang

In Poster Session 5

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #940

Poster

## **Provably Feedback-Efficient Reinforcement Learning via Active Reward Learning**

Dingwen Kong · Lin Yang

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #941

Poster

## **Efficient Aggregated Kernel Tests using Incomplete $U$ -statistics**

Antonin Schrab · Ilmun Kim · Benjamin Guedj · Arthur Gretton

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #942

Poster

## **Feature Learning in $L_2$ -regularized DNNs: Attraction/Repulsion and Sparsity**

Arthur Jacot · Eugene Golikov · Clement Hongler · Franck Gabriel

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1042

Poster

## **Multi-Granularity Cross-modal Alignment for Generalized Medical Visual Representation Learning**

Fuying Wang · Yuyin Zhou · Shujun WANG · Varut Vardhanabhuti · Lequan Yu

In Poster Session 5

[ [Slides](#) ] [ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1041

Poster

## **Structure-Preserving 3D Garment Modeling with Neural Sewing Machines**

Xipeng Chen · Guangrun Wang · Dizhong Zhu · Xiaodan Liang · Philip Torr · Liang Lin

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1040

Poster

## **WebShop: Towards Scalable Real-World Web Interaction with Grounded Language Agents**

Shunyu Yao · Howard Chen · John Yang · Karthik Narasimhan

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1039

Poster

## **Few-shot Learning for Feature Selection with Hilbert-Schmidt Independence Criterion**

Atsutoshi Kumagai · Tomoharu Iwata · Yasutoshi Ida · Yasuhiro Fujiwara

In Poster Session 5

[ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1038

Poster

## **Training and Inference on Any-Order Autoregressive Models the Right Way**

Andy Shih · Dorsa Sadigh · Stefano Ermon

In Poster Session 5

[ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1037

Poster

## **BagFlip: A Certified Defense Against Data Poisoning**

Yuhao Zhang · Aws Albarghouthi · Loris D'Antoni

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1036

Poster

**Dynamic Learning in Large Matching Markets**

Anand Kalvit · Assaf Zeevi

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1035

Poster

**How Powerful are K-hop Message Passing Graph Neural Networks**

Jiarui Feng · Yixin Chen · Fuhai Li · Anindya Sarkar · Muhan Zhang

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1034

Poster

**Global Convergence of Direct Policy Search for State-Feedback  $\mathcal{H}_\infty$  Robust Control: A Revisit of Nonsmooth Synthesis with Goldstein Subdifferential**

Xingang Guo · Bin Hu

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1033

Poster

**CARLANE: A Lane Detection Benchmark for Unsupervised Domain Adaptation from Simulation to multiple Real-World Domains**

Bonifaz Stuhr · Johann Haselberger · Julian Gebele

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1033

Poster

**PEER: A Comprehensive and Multi-Task Benchmark for Protein Sequence Understanding**

Minghao Xu · Zuobai Zhang · Jiarui Lu · Zhaocheng Zhu · Yangtian Zhang · Ma Chang · Runcheng Liu · Jian Tang

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1031

Poster

**OpenFWI: Large-scale Multi-structural Benchmark Datasets for Full Waveform Inversion**

Chengyuan Deng · Shihang Feng · Hanchen Wang · Xitong Zhang · Peng Jin · Yinan Feng · Qili Zeng · Yinpeng Chen · Youzuo Lin

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1030

Poster

**PDEBench: An Extensive Benchmark for Scientific Machine Learning**

Makoto Takamoto · Timothy Praditia · Raphael Leiteritz · Daniel MacKinlay · Francesco Alesiani · Dirk Pflüger · Mathias Niepert

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1029

Poster

**AutoWS-Bench-101: Benchmarking Automated Weak Supervision with 100 Labels**

Nicholas Roberts · Xintong Li · Tzu-Heng Huang · Dyah Adila · Spencer Schoenberg · Cheng-Yu Liu · Lauren Pick · Haotian Ma · Aws Albarghouthi · Frederic Sala

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1028

Poster

**Why do tree-based models still outperform deep learning on typical tabular data?**

Leo Grinsztajn · Edouard Oyallon · Gael Varoquaux

In Poster Session 5

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1027

Poster

### **A Benchmark for Compositional Visual Reasoning**

Aimen Zerroug · Mohit Vaishnav · Julien Colin · Sebastian Musslick · Thomas Serre

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1026

Poster

### **SoundSpaces 2.0: A Simulation Platform for Visual-Acoustic Learning**

Changan Chen · Carl Schissler · Sanchit Garg · Philip Kobernik · Alexander Clegg · Paul Calamia · Dhruv Batra · In Poster Session 5  
Philip Robinson · Kristen Grauman

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1025

Poster

### **PeRFception: Perception using Radiance Fields**

Yoonwoo Jeong · Seungjoo Shin · Junha Lee · Chris Choy · Anima Anandkumar · Minsu Cho · Jaesik Park

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1024

Poster

### **Nocturne: a scalable driving benchmark for bringing multi-agent learning one step closer to the real world**

Eugene Vinitksy · Nathan Lichtené · Xiaomeng Yang · Brandon Amos · Jakob Foerster

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1023

Poster

### **VeriDark: A Large-Scale Benchmark for Authorship Verification on the Dark Web**

Andrei Manolache · Florin Brad · Antonio Barbalau · Radu Tudor Ionescu · Marius Popescu

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1022

Poster

### **FACT: Learning Governing Abstractions Behind Integer Sequences**

Peter Belcak · Ard Kastrati · Flavio Schenker · Roger Wattenhofer

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1021

Poster

### **Geoclidenean: Few-Shot Generalization in Euclidean Geometry**

Joy Hsu · Jiajun Wu · Noah Goodman

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1020

Poster

### **MBW: Multi-view Bootstrapping in the Wild**

Mosam Dabhi · Chaoyang Wang · Tim Clifford · László Jeni · Ian Fasel · Simon Lucey

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1019

Poster

### **HAPI: A Large-scale Longitudinal Dataset of Commercial ML API Predictions**

Lingjiao Chen · Zhihua Jin · Evan Sabri Eyuboglu · Christopher Ré · Matei Zaharia · James Zou

In Poster Session 5

[  OpenReview ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1018

Poster

### **Change Event Dataset for Discovery from Spatio-temporal Remote Sensing Imagery**

[\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1017

Poster

**3DOS: Towards 3D Open Set Learning - Benchmarking and Understanding Semantic Novelty Detection on Point Clouds**

Antonio Alliegro · Francesco Cappio Borlino · Tatiana Tommasi

In Poster Session 5

[\[ Slides \]](#) [\[ Poster \]](#) [\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1016

Poster

**K-Radar: 4D Radar Object Detection for Autonomous Driving in Various Weather Conditions**

Dong-Hee Paek · SEUNG-HYUN KONG · Kevin Tirta Wijaya

In Poster Session 5

[\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1015

Poster

**TempEL: Linking Dynamically Evolving and Newly Emerging Entities**

Klim Zaporozets · Lucie-Aimée Kaffee · Johannes Deleu · Thomas Demeester · Chris Develder · Isabelle Augenstein

In Poster Session 5

[\[ Slides \]](#) [\[ Poster \]](#) [\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1014

Poster

**Benchmarking Heterogeneous Treatment Effect Models through the Lens of Interpretability**

Jonathan Crabbé · Alicia Curth · Ioana Bica · Mihaela van der Schaar

In Poster Session 5

[\[ Poster \]](#) [\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1013

Poster

**Wukong: A 100 Million Large-scale Chinese Cross-modal Pre-training Benchmark**

Jiaxi Gu · Xiaojun Meng · Guansong Lu · Lu Hou · Niu Minzhe · Xiaodan Liang · Lewei Yao · Runhui Huang · Weiln Zhang · Xin Jiang · Chunjing XU · Hang Xu

[\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1011

Poster

**LIPS - Learning Industrial Physical Simulation benchmark suite**

Milad LEYLI ABADI · Antoine Marot · Jérôme Picault · David Danan · Mouadh Yagoubi · Benjamin Donnot · Seif Attoui · Pavel Dimitrov · Asma Farjallah · Clement Etienam

[\[ Poster \]](#) [\[ OpenReview \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1010

Poster

**Attraction-Repulsion Spectrum in Neighbor Embeddings**

Jan Niklas Böhm · Philipp Berens · Dmitry Kobak

In Poster Session 5

[\[ Paper PDF \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1009

Poster

**Decimated Framelet System on Graphs and Fast G-Framelet Transforms**

Xuebin Zheng · Bingxin Zhou · Yuguang Wang · Xiaosheng Zhuang

In Poster Session 5

[\[ Slides \]](#) [\[ Poster \]](#)[\[ Paper PDF \]](#)

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1008

Poster

## **On the Approximation of Cooperative Heterogeneous Multi-Agent Reinforcement Learning (MARL) using Mean Field Control (MFC)**

Washim Mondal · Mridul Agarwal · Vaneet Aggarwal · Satish Ukkusuri

In Poster Session 5

[ Paper PDF ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #143

Poster

## **Rethinking Nonlinear Instrumental Variable Models through Prediction Validity**

Chunxiao Li · Cynthia Rudin · Tyler H. McCormick

In Poster Session 5

[ Slides ] [ Poster ]

[ Paper PDF ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1007

Poster

## **A Unified Statistical Learning Model for Rankings and Scores with Application to Grant Panel Review**

Michael Pearce · Elena A. Erosheva

In Poster Session 5

[ Poster ] [ Topia ]

[ Paper PDF ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1006

Poster

## **Sufficient reductions in regression with mixed predictors**

Efstathia Bura · Liliana Forzani · Rodrigo García Arancibia · Pamela Llop · Diego Tomassi

In Poster Session 5

[ Slides ] [ Poster ]

[ Paper PDF ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1005

Poster

## **[Re] An Implementation of Fair Robust Learning**

Ian Hardy

In Poster Session 5

[ Poster ]

[ Paper PDF ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1004

Poster

## **[Re] Exacerbating Algorithmic Bias through Fairness Attacks**

Matteo Tafuro · Andrea Lombardo · Tin Hadži Veljković · Lasse Becker-Czarnetzki

In Poster Session 5

[ Slides ] [ Poster ]

[ Paper PDF ]

Thu Dec 01 09:30 AM -- 11:00 AM (PST) @ Hall J #1003

Poster

## **[Re] Transparent Object Tracking Benchmark**

Žiga Trojer

In Poster Session 5

[ Poster ]

[ Paper PDF ]

Thu Dec 01 02:00 PM -- 04:00 PM (PST) @ Hall J #143

Poster

## **Pythae: Unifying Generative Autoencoders in Python - A Benchmarking Use Case**

Clement Chadebec · Louis Vincent · Stephanie Allassonniere

In Poster Session 6

[ Poster ] [ OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #1002

Poster

## **Ambiguous Images With Human Judgments for Robust Visual Event Classification**

Kate Sanders · Reno Kriz · Anqi Liu · Benjamin Van Durme

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #1001

Poster

**ELEVATER: A Benchmark and Toolkit for Evaluating Language-Augmented Visual Models**

Chunyuan Li · Haotian Liu · Liunian Li · Pengchuan Zhang · Jyoti Aneja · Jianwei Yang · Ping Jin · Houdong Hu · In Poster Session 6  
Zicheng Liu · Yong Jae Lee · Jianfeng Gao

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #1003

Poster

**Recovery and Generalization in Over-Realized Dictionary Learning**

Jeremias Sulam · Chong You · Zhihui Zhu  
In Poster Session 6

[ Paper PDF ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #101

Poster

**Self-Supervised Learning with an Information Maximization Criterion**

Serdar Ozsoy · Shadi Hamdan · Sercan Arik · Deniz Yuret · Alper Erdogan  
In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #103

Poster

**PAC Prediction Sets for Meta-Learning**

Sangdon Park · Edgar Dobriban · Insup Lee · Osbert Bastani  
In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #105

Poster

**BiT: Robustly Binarized Multi-distilled Transformer**

Zechun Liu · Barlas Oguz · Aasish Pappu · Lin Xiao · Scott Yih · Meng Li · Raghuraman Krishnamoorthi · Yashar In Poster Session 6  
Mehdad

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #107

Poster

**CEBaB: Estimating the Causal Effects of Real-World Concepts on NLP Model Behavior**

Eldar D Abraham · Karel D'osterman · Amir Feder · Yair Gat · Atticus Geiger · Christopher Potts · Roi In Poster Session 6  
Reichart · Zhengxuan Wu

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #108

Poster

**VICRegL: Self-Supervised Learning of Local Visual Features**

Adrien Bardes · Jean Ponce · Yann LeCun  
In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #109

Poster

**GenSDF: Two-Stage Learning of Generalizable Signed Distance Functions**

Gene Chou · Ilya Chugunov · Felix Heide  
In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #110

Poster

**Disentangling Transfer in Continual Reinforcement Learning**

Maciej Wolczyk · Michał Zając · Razvan Pascanu · Łukasz Kuciński · Piotr Miś  
In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #111

Poster

## Maximum-Likelihood Inverse Reinforcement Learning with Finite-Time Guarantees

Siliang Zeng · Chenliang Li · Alfredo Garcia · Mingyi Hong

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #112

Poster

## TUSK: Task-Agnostic Unsupervised Keypoints

Yuhe Jin · Weiwei Sun · Jan Hosang · Eduard Trulls · Kwang Moo Yi

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #113

Poster

## Generalization Gap in Amortized Inference

Mingtian Zhang · Peter Hayes · David Barber

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #114

Poster

## Online Deep Equilibrium Learning for Regularization by Denoising

Jiaming Liu · Xiaojian Xu · Weijie Gan · shirin shoushtari · Ulugbek Kamilov

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #115

Poster

## Deep invariant networks with differentiable augmentation layers

Cédric ROMMEL · Thomas Moreau · Alexandre Gramfort

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #116

Poster

## VICE: Variational Interpretable Concept Embeddings

Lukas Muttenthaler · Charles Zheng · Patrick McClure · Robert Vandermeulen · Martin N Hebart · Francisco Pereira

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #117

Poster

## A contrastive rule for meta-learning

Nicolas Zucchet · Simon Schug · Johannes von Oswald · Dominic Zhao · João Sacramento

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #118

Poster

## Diagnosing failures of fairness transfer across distribution shift in real-world medical settings

Jessica Schrouff · Natalie Harris · Sanmi Koyejo · Ibrahim Alabdulmohsin · Eva Schnider · Krista Opsahl-Ong · Alexander Brown · Subhrajit Roy · Diana Mincu · Christina Chen · Awa Dieng · Yuan Liu · Vivek Natarajan · Alan Karthikesalingam · Katherine Heller · Silvia Chiappa · Alexander D'Amour

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #119

Poster

## A Contrastive Framework for Neural Text Generation

Yixuan Su · Tian Lan · Yan Wang · Dani Yogatama · Lingpeng Kong · Nigel Collier

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #120

Poster

## Redeeming intrinsic rewards via constrained policy optimization

Eric Chen · Zhang-Wei Hong · Joni Pajarinen · Pulkit Agrawal

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #121

Poster

**NodeFormer: A Scalable Graph Structure Learning Transformer for Node Classification**

Qitian Wu · Wentao Zhao · Zenan Li · David P Wipf · Junchi Yan

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #122

Poster

**Model Preserving Compression for Neural Networks**

Jerry Chee · Megan Renz · Anil Damle · Christopher De Sa

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #123

Poster

**Controlled Sparsity via Constrained Optimization or: How I Learned to Stop Tuning Penalties and Love Constraints**

Jose Gallego-Posada · Juan Ramirez · Akram Erraqabi · Yoshua Bengio · Simon Lacoste-Julien

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #124

Poster

**Robust Binary Models by Pruning Randomly-initialized Networks**

Chen Liu · Ziqi Zhao · Sabine Süsstrunk · Mathieu Salzmann

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #125

Poster

**Training Spiking Neural Networks with Local Tandem Learning**

Qu Yang · Jibin Wu · Malu Zhang · Yansong Chua · Xinchao Wang · Haizhou Li

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #126

Poster

**Constrained GPI for Zero-Shot Transfer in Reinforcement Learning**

Jaekyeom Kim · Seohong Park · Gunhee Kim

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #127

Poster

**Improving Task-Specific Generalization in Few-Shot Learning via Adaptive Vicinal Risk Minimization**

Long-Kai Huang · Ying Wei

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #128

Poster

**DIMES: A Differentiable Meta Solver for Combinatorial Optimization Problems**

Ruizhong Qiu · Zhiqing Sun · Yiming Yang

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #129

Poster

**HYPRO: A Hybridly Normalized Probabilistic Model for Long-Horizon Prediction of Event Sequences**

Siqiao Xue · Xiaoming Shi · James Zhang · Hongyuan Mei

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #130

Poster

## Noise Attention Learning: Enhancing Noise Robustness by Gradient Scaling

Yangdi Lu · Yang Bo · Wenbo He

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #131

Poster

## Self-Aware Personalized Federated Learning

Huili Chen · Jie Ding · Eric W. Tramel · Shuang Wu · Anit Kumar Sahu · Salman Avestimehr · Tao Zhang

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #131

Poster

## Learning to Re-weight Examples with Optimal Transport for Imbalanced Classification

Dandan Guo · Zhuo Li · meixi zheng · He Zhao · Mingyuan Zhou · Hongyuan Zha

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #134

Poster

## Towards Understanding the Mixture-of-Experts Layer in Deep Learning

Zixiang Chen · Yihe Deng · Yue Wu · Quanquan Gu · Yuanzhi Li

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #135

Poster

## Improved Feature Distillation via Projector Ensemble

Yudong Chen · Sen Wang · Jiajun Liu · Xuwei Xu · Frank de Hoog · Zi Huang

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #136

Poster

## Two-Stream Network for Sign Language Recognition and Translation

Yutong Chen · Ronglai Zuo · Fangyun Wei · Yu Wu · Shujie LIU · Brian Mak

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #137

Poster

## Knowledge Distillation from A Stronger Teacher

Tao Huang · Shan You · Fei Wang · Chen Qian · Chang Xu

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #138

Poster

## Boosting the Transferability of Adversarial Attacks with Reverse Adversarial Perturbation

Zeyu Qin · Yanbo Fan · Yi Liu · Li Shen · Yong Zhang · Jue Wang · Baoyuan Wu

In Poster Session 6

[ Slides ] [ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #139

Poster

## Efficient Spatially Sparse Inference for Conditional GANs and Diffusion Models

Muyang Li · Ji Lin · Chenlin Meng · Stefano Ermon · Song Han · Jun-Yan Zhu

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #140

Poster

## Feature-Proxy Transformer for Few-Shot Segmentation

Jian-Wei Zhang · Yifan Sun · Yi Yang · Wei Chen

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #141

Poster

## Mask Matching Transformer for Few-Shot Segmentation

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #142

Poster

**Prototypical VoteNet for Few-Shot 3D Point Cloud Object Detection**

Shizhen Zhao · Xiaojuan Qi

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #242

Poster

**DaDA: Distortion-aware Domain Adaptation for Unsupervised Semantic Segmentation**

Sujin Jang · Joohan Na · Dokwan Oh

In Poster Session 6

[  Slides ] [  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #241

Poster

**AniFaceGAN: Animatable 3D-Aware Face Image Generation for Video Avatars**

Yue Wu · Yu Deng · Jiaolong Yang · Fangyun Wei · Qifeng Chen · Xin Tong

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #240

Poster

**Selective compression learning of latent representations for variable-rate image compression**

Jooyoung Lee · Seyoon Jeong · Munchurl Kim

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #239

Poster

**Divide and Contrast: Source-free Domain Adaptation via Adaptive Contrastive Learning**

Ziyi Zhang · Weikai Chen · Hui Cheng · Zhen Li · Siyuan Li · Liang Lin · Guanbin Li

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #238

Poster

**CascadeXML: Rethinking Transformers for End-to-end Multi-resolution Training in Extreme Multi-label Classification**

Siddhant Kharbanda · Atmadeep Banerjee · Erik Schultheis · Rohit Babbar

In Poster Session 6

[  OpenReview ]

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**Few-Shot Non-Parametric Learning with Deep Latent Variable Model**

Zhiying Jiang · Yiqin Dai · Ji Xin · Ming Li · Jimmy Lin

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**Revisiting Heterophily For Graph Neural Networks**

Sitao Luan · Chenqing Hua · Qincheng Lu · Jiaqi Zhu · Mingde Zhao · Shuyuan Zhang · Xiao-Wen Chang · Doina Precup

In Poster Session 6

[  Poster ] [  OpenReview ]

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**Distributionally robust weighted k-nearest neighbors**

Shixiang Zhu · Liyan Xie · Minghe Zhang · Rui Gao · Yao Xie

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## **ZeroQuant: Efficient and Affordable Post-Training Quantization for Large-Scale Transformers**

Zhewei Yao · Reza Yazdani Aminabadi · Minjia Zhang · Xiaoxia Wu · Conglong Li · Yuxiong He

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## **SeqPATE: Differentially Private Text Generation via Knowledge Distillation**

zhiliang tian · Yingxiu Zhao · Ziyue Huang · Yu-Xiang Wang · Nevin L. Zhang · He He

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## **Inductive Logical Query Answering in Knowledge Graphs**

Mikhail Galkin · Zhaocheng Zhu · Hongyu Ren · Jian Tang

In Poster Session 6

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## **Remember the Past: Distilling Datasets into Addressable Memories for Neural Networks**

Zhiwei Deng · Olga Russakovsky

In Poster Session 6

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## **K-LITE: Learning Transferable Visual Models with External Knowledge**

Sheng Shen · Chunyuan Li · Xiaowei Hu · Yujia Xie · Jianwei Yang · Pengchuan Zhang · Zhe Gan · Lijuan Wang In Poster Session 6  
· Lu Yuan · Ce Liu · Kurt Keutzer · Trevor Darrell · Anna Rohrbach · Jianfeng Gao

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## **Diffusion Visual Counterfactual Explanations**

Maximilian Augustin · Valentyn Boreiko · Francesco Croce · Matthias Hein

In Poster Session 6

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## **Graph Neural Networks are Dynamic Programmers**

Andrew J Dudzik · Petar Veličković

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## **Assistive Teaching of Motor Control Tasks to Humans**

Megha Srivastava · Erdem Biyik · Suvir Mirchandani · Noah Goodman · Dorsa Sadigh

In Poster Session 6

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## **Concept Embedding Models**

Mateo Espinosa Zarlenja · Pietro Barbiero · Gabriele Ciravegna · Giuseppe Marra · Francesco Giannini · Michelangelo Diligenti · Zohreh Shams · Frederic Precioso · Stefano Melacci · Adrian Weller · Pietro Lió · Mateja Jamnik

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## **Black-box coresnet variational inference**

Dionysis Manousakas · Hippolyt Ritter · Theofanis Karaletsos

In Poster Session 6

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### **Supervising the Multi-Fidelity Race of Hyperparameter Configurations**

Martin Wistuba · Arlind Kadra · Josif Grabocka

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### **Distributional Reward Estimation for Effective Multi-agent Deep Reinforcement Learning**

Jifeng Hu · Yanchao Sun · Hechang Chen · Sili Huang · haiyin piao · Yi Chang · Lichao Sun

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### **Amortized Projection Optimization for Sliced Wasserstein Generative Models**

Khai Nguyen · Nhat Ho

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### **CoNSoLe: Convex Neural Symbolic Learning**

Haoran Li · Yang Weng · Hanghang Tong

In Poster Session 6

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### **Sketch-GNN: Scalable Graph Neural Networks with Sublinear Training Complexity**

Mucong Ding · Tahseen Rabbani · Bang An · Evan Wang · Furong Huang

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### **WaveBound: Dynamic Error Bounds for Stable Time Series Forecasting**

Youngin Cho · Daejin Kim · DONGMIN KIM · MOHAMMAD AZAM KHAN · Jaegul Choo

In Poster Session 6

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### **Hierarchical Channel-spatial Encoding for Communication-efficient Collaborative Learning**

Qihua ZHOU · Song Guo · YI LIU · Jie Zhang · Jiewei Zhang · Tao GUO · Zhenda XU · Zhihao Qu

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### **Spatial Pruned Sparse Convolution for Efficient 3D Object Detection**

Jianhui Liu · Yukang Chen · Xiaoqing Ye · Zhuotao Tian · Xiao Tan · Xiaojuan Qi

In Poster Session 6

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### **LASSIE: Learning Articulated Shapes from Sparse Image Ensemble via 3D Part Discovery**

Chun-Han Yao · Wei-Chih Hung · Yuanzhen Li · Michael Rubinstein · Ming-Hsuan Yang · Varun Jampani

In Poster Session 6

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### **Self-Supervised Learning of Brain Dynamics from Broad Neuroimaging Data**

Armin Thomas · Christopher Ré · Russell Poldrack

In Poster Session 6

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### ***Motion Transformer with Global Intention Localization and Local Movement Refinement***

Shaoshuai Shi · Li Jiang · Dengxin Dai · Bernt Schiele

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### ***Untargeted Backdoor Watermark: Towards Harmless and Stealthy Dataset Copyright Protection***

Yiming Li · Yang Bai · Yong Jiang · Yong Yang · Shu-Tao Xia · Bo Li

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### ***SemMAE: Semantic-Guided Masking for Learning Masked Autoencoders***

Gang Li · Heliang Zheng · Daqing Liu · Chaoyue Wang · Bing Su · Changwen Zheng

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### ***Improving Multi-Task Generalization via Regularizing Spurious Correlation***

Ziniu Hu · Zhe Zhao · Xinyang Yi · Tiansheng Yao · Lichan Hong · Yizhou Sun · Ed Chi

In Poster Session 6

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### ***Label-Aware Global Consistency for Multi-Label Learning with Single Positive Labels***

Ming-Kun Xie · Jiahao Xiao · Sheng-Jun Huang

In Poster Session 6

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### ***One Model to Edit Them All: Free-Form Text-Driven Image Manipulation with Semantic Modulations***

Yiming Zhu · Hongyu Liu · Yibing Song · Ziyang Yuan · Xintong Han · Chun Yuan · Qifeng Chen · Jue Wang

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### ***Latency-aware Spatial-wise Dynamic Networks***

Yizeng Han · Zhihang Yuan · Yifan Pu · Chenhao Xue · Shiji Song · Guangyu Sun · Gao Huang

In Poster Session 6

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### ***Why Do Artificially Generated Data Help Adversarial Robustness***

Yue Xing · Qifan Song · Guang Cheng

In Poster Session 6

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### ***Pre-activation Distributions Expose Backdoor Neurons***

Runkai Zheng · Rongjun Tang · Jianze Li · Li Liu

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Poster

### ***Recovering Private Text in Federated Learning of Language Models***

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**Zero-shot Transfer Learning within a Heterogeneous Graph via Knowledge Transfer Networks**

Minji Yoon · John Palowitch · Dustin Zelle · Ziniu Hu · Ruslan Salakhutdinov · Bryan Perozzi

In Poster Session 6

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**Towards Robust Blind Face Restoration with Codebook Lookup Transformer**

Shangchen Zhou · Kelvin Chan · Chongyi Li · Chen Change Loy

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**S2P: State-conditioned Image Synthesis for Data Augmentation in Offline Reinforcement Learning**

Daesol Cho · Dongseok Shim · H. Jin Kim

In Poster Session 6

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**NeurOLight: A Physics-Agnostic Neural Operator Enabling Parametric Photonic Device Simulation**

Jiaqi Gu · Zhengqi Gao · Chenghao Feng · Hanqing Zhu · Ray Chen · Duane Boning · David Pan

In Poster Session 6

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**UDC: Unified DNAS for Compressible TinyML Models for Neural Processing Units**

Igor Fedorov · Ramon Matas · Hokchhay Tann · Chuteng Zhou · Matthew Mattina · Paul Whatmough

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**Using Embeddings for Causal Estimation of Peer Influence in Social Networks**

Irina Cristali · Victor Veitch

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Poster

**Batch size-invariance for policy optimization**

Jacob Hilton · Karl Cobbe · John Schulman

In Poster Session 6

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**Top Two Algorithms Revisited**

Marc Jourdan · Rémy Degenne · Dorian Baudry · Rianne de Heide · Emilie Kaufmann

In Poster Session 6

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**Neural Sheaf Diffusion: A Topological Perspective on Heterophily and Oversmoothing in GNNs**

Cristian Bodnar · Francesco Di Giovanni · Benjamin Chamberlain · Pietro Lió · Michael Bronstein

In Poster Session 6

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## ***Biologically-Plausible Determinant Maximization Neural Networks for Blind Separation of Correlated Sources***

Bariscan Bozkurt · Cengiz Pehlevan · Alper Erdogan

In Poster Session 6

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## ***When does return-conditioned supervised learning work for offline reinforcement learning?***

David Brandfonbrener · Alberto Bietti · Jacob Buckman · Romain Laroche · Joan Bruna

In Poster Session 6

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## ***Communication Efficient Distributed Learning for Kernelized Contextual Bandits***

Chuanhao Li · Huazheng Wang · Mengdi Wang · Hongning Wang

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## ***TaSIL: Taylor Series Imitation Learning***

Daniel Pfrommer · Thomas Zhang · Stephen Tu · Nikolai Matni

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## ***DAGMA: Learning DAGs via M-matrices and a Log-Determinant Acyclicity Characterization***

Kevin Bello · Bryon Aragam · Pradeep Ravikumar

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## ***Efficient Active Learning with Abstention***

Yinglun Zhu · Robert Nowak

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## ***No-regret learning in games with noisy feedback: Faster rates and adaptivity via learning rate separation***

Yu-Guan Hsieh · Kimon Antonakopoulos · Volkan Cevher · Panayotis Mertikopoulos

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## ***Integral Probability Metrics PAC-Bayes Bounds***

Ron Amit · Baruch Epstein · Shay Moran · Ron Meir

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## ***A Fast Scale-Invariant Algorithm for Non-negative Least Squares with Non-negative Data***

Jelena Diakonikolas · Chenghui Li · Swati Padmanabhan · Chaobing Song

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## **Online Minimax Multiobjective Optimization: Multicalibating and Other Applications**

Daniel Lee · Georgy Noarov · Mallesh Pai · Aaron Roth

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## **Nonstationary Dual Averaging and Online Fair Allocation**

Luofeng Liao · Yuan Gao · Christian Kroer

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## **The price of unfairness in linear bandits with biased feedback**

Solenne Gaucher · Alexandra Carpentier · Christophe Giraud

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## **Augmenting Online Algorithms with $\varepsilon$ -Accurate Predictions**

Anupam Gupta · Debmalya Panigrahi · Bernardo Subercaseaux · Kevin Sun

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## **A Non-Asymptotic Moreau Envelope Theory for High-Dimensional Generalized Linear Models**

Lijia Zhou · Frederic Koehler · Pragya Sur · Danica J. Sutherland · Nati Srebro

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## **Spectral Bias Outside the Training Set for Deep Networks in the Kernel Regime**

Benjamin Bowman · Guido Montufar

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## **Symplectic Spectrum Gaussian Processes: Learning Hamiltonians from Noisy and Sparse Data**

Yusuke Tanaka · Tomoharu Iwata · naonori ueda

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## **Tree Mover's Distance: Bridging Graph Metrics and Stability of Graph Neural Networks**

Ching-Yao Chuang · Stefanie Jegelka

In Poster Session 6

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## **On the Parameterization and Initialization of Diagonal State Space Models**

Albert Gu · Karan Goel · Ankit Gupta · Christopher Ré

In Poster Session 6

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## **On the Discrimination Risk of Mean Aggregation Feature Imputation in Graphs**

Arjun Subramonian · Kai-Wei Chang · Yizhou Sun

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## **Staggered Rollout Designs Enable Causal Inference Under Interference Without Network Knowledge**

Mayleen Cortez · Matthew Eichhorn · Christina Yu

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## **Near-Optimal Multi-Agent Learning for Safe Coverage Control**

Manish Prajapat · Matteo Turchetta · Melanie Zeilinger · Andreas Krause

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## **Deep Counterfactual Estimation with Categorical Background Variables**

Edward De Brouwer

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## **Using Partial Monotonicity in Submodular Maximization**

Loay Mualem · Moran Feldman

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## **A New Family of Generalization Bounds Using Samplewise Evaluated CMI**

Fredrik Hellström · Giuseppe Durisi

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## **Tight Lower Bounds on Worst-Case Guarantees for Zero-Shot Learning with Attributes**

Alessio Mazzetto · Cristina Menghini · Andrew Yuan · Eli Upfal · Stephen Bach

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## **Bellman Residual Orthogonalization for Offline Reinforcement Learning**

Andrea Zanette · Martin J Wainwright

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## **Riemannian Diffusion Models**

Chin-Wei Huang · Milad Aghajohari · Joey Bose · Prakash Panangaden · Aaron Courville

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## **Formulating Robustness Against Unforeseen Attacks**

Sihui Dai · Saeed Mahloujifar · Prateek Mittal

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## **Characterizing Datapoints via Second-Split Forgetting**

Pratyush Maini · Saurabh Garg · Zachary Lipton · J. Zico Kolter

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## **Fairness Transferability Subject to Bounded Distribution Shift**

Yatong Chen · Reilly Raab · Jialu Wang · Yang Liu

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## **Oracle Inequalities for Model Selection in Offline Reinforcement Learning**

Jonathan N Lee · George Tucker · Ofir Nachum · Bo Dai · Emma Brunskill

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## **Simulation-guided Beam Search for Neural Combinatorial Optimization**

Jinho Choo · Yeong-Dae Kwon · Jihoon Kim · Jeongwoo Jae · André Hottung · Kevin Tierney · Youngjune Gwon In Poster Session 6

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## **Stars: Tera-Scale Graph Building for Clustering and Learning**

CJ Carey · Jonathan Halcrow · Rajesh Jayaram · Vahab Mirrokni · Warren Schudy · Peilin Zhong

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## **Estimating and Explaining Model Performance When Both Covariates and Labels Shift**

Lingjiao Chen · Matei Zaharia · James Zou

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## **Simultaneous Missing Value Imputation and Structure Learning with Groups**

Pablo Morales-Alvarez · Wenbo Gong · Angus Lamb · Simon Woodhead · Simon Peyton Jones · Nick Pawlowski In Poster Session 6  
· Miltiadis Allamanis · Cheng Zhang

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## **Signal Processing for Implicit Neural Representations**

Dejia Xu · Peihao Wang · Yifan Jiang · Zhiwen Fan · Zhangyang Wang

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## **Regularized Molecular Conformation Fields**

Lihao Wang · Yi Zhou · Yiqun Wang · Xiaoqing Zheng · Xuanjing Huang · Hao Zhou

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## **GAL: Gradient Assisted Learning for Decentralized Multi-Organization Collaborations**

Enmao Diao · Jie Ding · Vahid Tarokh

In Poster Session 6

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## **When Does Group Invariant Learning Survive Spurious Correlations?**

Yimeng Chen · Ruibin Xiong · Zhi-Ming Ma · Yanyan Lan

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## Diverse Weight Averaging for Out-of-Distribution Generalization

Alexandre Rame · Matthieu Kirchmeyer · Thibaud Rahier · Alain Rakotomamonjy · Patrick Gallinari · Matthieu Cord In Poster Session 6

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## KERPLE: Kernelized Relative Positional Embedding for Length Extrapolation

Ta-Chung Chi · Ting-Han Fan · Peter J Ramadge · Alexander Rudnicki In Poster Session 6

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## Data Augmentation for Compositional Data: Advancing Predictive Models of the Microbiome

Elliott Gordon-Rodriguez · Thomas Quinn · John Cunningham In Poster Session 6

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## Improving Certified Robustness via Statistical Learning with Logical Reasoning

Zhuolin Yang · Zhikuan Zhao · Boxin Wang · Jiawei Zhang · Linyi Li · Hengzhi Pei · Bojan Karlaš · Ji Liu · Heng Guo · Ce Zhang · Bo Li In Poster Session 6

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## Cooperative Distribution Alignment via JSD Upper Bound

Wonwoong Cho · ZIYU GONG · David Inouye In Poster Session 6

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## Generalization Bounds with Minimal Dependency on Hypothesis Class via Distributionally Robust Optimization

Yibo Zeng · Henry Lam In Poster Session 6

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## Minimax Optimal Fixed-Budget Best Arm Identification in Linear Bandits

Junwen Yang · Vincent Tan In Poster Session 6

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## Markov Chain Score Ascent: A Unifying Framework of Variational Inference with Markovian Gradients

Kyurae Kim · Jisu Oh · Jacob Gardner · Adji Bousso Dieng · Hongseok Kim In Poster Session 6

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## A Kernelised Stein Statistic for Assessing Implicit Generative Models

Wenkai Xu · Gesine D Reinert In Poster Session 6

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## **Effects of Data Geometry in Early Deep Learning**

Saket Tiwari · George Konidaris

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## **Deep Differentiable Logic Gate Networks**

Felix Petersen · Christian Borgelt · Hilde Kuehne · Oliver Deussen

In Poster Session 6

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## **Exploring the Latent Space of Autoencoders with Interventional Assays**

Felix Leeb · Stefan Bauer · Michel Besserve · Bernhard Schölkopf

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #429

Poster

## **Semi-Discrete Normalizing Flows through Differentiable Tessellation**

Ricky T. Q. Chen · Brandon Amos · Maximilian Nickel

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #428

Poster

## **Video Diffusion Models**

Jonathan Ho · Tim Salimans · Alexey Gritsenko · William Chan · Mohammad Norouzi · David Fleet

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #427

Poster

## **What is Where by Looking: Weakly-Supervised Open-World Phrase-Grounding without Text Inputs**

Tal Shahrabany · Yoad Tewel · Lior Wolf

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #426

Poster

## **Generative multitask learning mitigates target-causing confounding**

Taro Makino · Krzysztof Geras · Kyunghyun Cho

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #425

Poster

## **Adversarial Task Up-sampling for Meta-learning**

Yichen WU · Long-Kai Huang · Ying Wei

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #424

Poster

## **DHRL: A Graph-Based Approach for Long-Horizon and Sparse Hierarchical Reinforcement Learning**

Seungjae Lee · Jigang Kim · Inkyu Jang · H. Jin Kim

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #423

Poster

## **Entropy-Driven Mixed-Precision Quantization for Deep Network Design**

Zhenhong Sun · Ce Ge · Junyan Wang · Ming Lin · Hesen Chen · Hao Li · Xiuyu Sun

In Poster Session 6

[ Slides ] [ Poster ] [  OpenReview ]

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Poster

## ***Efficient and Effective Augmentation Strategy for Adversarial Training***

Sravanti Addepalli · Samyak Jain · Venkatesh Babu R

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #421

Poster

## ***Dataset Inference for Self-Supervised Models***

Adam Dziedzic · Haonan Duan · Muhammad Ahmad Kaleem · Nikita Dhawan · Jonas Guan · Yannis Cattan · Franziska Boenisch · Nicolas Papernot

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #420

Poster

## ***Exposing and Exploiting Fine-Grained Block Structures for Fast and Accurate Sparse Training***

Peng Jiang · Lihan Hu · Shihui Song

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #419

Poster

## ***Inducing Neural Collapse in Imbalanced Learning: Do We Really Need a Learnable Classifier at the End of Deep Neural Network?***

Yibo Yang · Shixiang Chen · Xiangtai Li · Liang Xie · Zhouchen Lin · Dacheng Tao

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #418

Poster

## ***Alleviating Adversarial Attacks on Variational Autoencoders with MCMC***

Anna Kuzina · Max Welling · Jakub Tomczak

In Poster Session 6

[  Slides ] [  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #417

Poster

## ***Smoothed Embeddings for Certified Few-Shot Learning***

Mikhail Pautov · Olesya Kuznetsova · Nurislam Tursynbek · Aleksandr Petushko · Ivan Oseledets

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #416

Poster

## ***Instability and Local Minima in GAN Training with Kernel Discriminators***

Evan Becker · Parthe Pandit · Sundeep Rangan · Alyson Fletcher

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #415

Poster

## ***Beyond the Return: Off-policy Function Estimation under User-specified Error-measuring Distributions***

Audrey Huang · Nan Jiang

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #414

Poster

## ***On Kernelized Multi-Armed Bandits with Constraints***

Xingyu Zhou · Bo Ji

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #413

Poster

## **Target alignment in truncated kernel ridge regression**

Arash Amini · Richard Baumgartner · Dai Feng

In Poster Session 6

[ Slides ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #412

Poster

## **Local Bayesian optimization via maximizing probability of descent**

Quan Nguyen · Kaiwen Wu · Jacob Gardner · Roman Garnett

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #411

Poster

## **MEMO: Test Time Robustness via Adaptation and Augmentation**

Marvin Zhang · Sergey Levine · Chelsea Finn

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #410

Poster

## **Latent Planning via Expansive Tree Search**

Robert Gieselmann · Florian T. Pokorny

In Poster Session 6

[  OpenReview ]

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Poster

## **Efficient and Effective Optimal Transport-Based Biclustering**

Chakib Fetal · Iazhar labiod · Mohamed NADIF

In Poster Session 6

[ Slides ] [ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #408

Poster

## **Are Two Heads the Same as One? Identifying Disparate Treatment in Fair Neural Networks**

Michael Lohaus · Matthäus Kleindessner · Krishnaram Kenthapadi · Francesco Locatello · Chris Russell

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #407

Poster

## **On the Adversarial Robustness of Mixture of Experts**

Joan Puigcerver · Rodolphe Jenatton · Carlos Riquelme · Pranjal Awasthi · Srinadh Bhojanapalli

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #406

Poster

## **Scalable Distributional Robustness in a Class of Non-Convex Optimization with Guarantees**

Avinandan Bose · Arunesh Sinha · Tien Mai

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #405

Poster

## **A framework for bilevel optimization that enables stochastic and global variance reduction algorithms**

Mathieu Dagréou · Pierre Albin · Samuel Vaiter · Thomas Moreau

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #404

Poster

## **Trust Region Policy Optimization with Optimal Transport Discrepancies: Duality and Algorithm for Continuous Actions**

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #403

Poster

## **LobsDICE: Offline Learning from Observation via Stationary Distribution Correction Estimation**

Geon-Hyeong Kim · Jongmin Lee · Youngsoo Jang · Hongseok Yang · Kee-Eung Kim

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #402

Poster

## **A Stochastic Linearized Augmented Lagrangian Method for Decentralized Bilevel Optimization**

Songtao Lu · Siliang Zeng · Xiaodong Cui · Mark Squillante · Lior Horesh · Brian Kingsbury · Jia Liu · Mingyi Hong

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #502

Poster

## **Amortized Proximal Optimization**

Juhan Bae · Paul Vicol · Jeff Z. HaoChen · Roger Grosse

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #503

Poster

## **Batch Bayesian Optimization on Permutations using the Acquisition Weighted Kernel**

Changyong Oh · Roberto Bondesan · Efstratios Gavves · Max Welling

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #504

Poster

## **On the difficulty of learning chaotic dynamics with RNNs**

Jonas Mikhaeil · Zahra Monfared · Daniel Durstewitz

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #505

Poster

## **Learning to Configure Computer Networks with Neural Algorithmic Reasoning**

Luca Beurer-Kellner · Martin Vechev · Laurent Vanbever · Petar Veličković

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #506

Poster

## **Autoregressive Search Engines: Generating Substrings as Document Identifiers**

Michele Bevilacqua · Giuseppe Ottaviano · Patrick Lewis · Scott Yih · Sebastian Riedel · Fabio Petroni

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #507

Poster

## **Efficient learning of nonlinear prediction models with time-series privileged information**

Bastian Jung · Fredrik Johansson

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #508

Poster

## **Revisiting Active Sets for Gaussian Process Decoders**

Pablo Moreno-Muñoz · Cilie Feldager · Søren Hauberg

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #509

Poster

## **Tractable Function-Space Variational Inference in Bayesian Neural Networks**

Tim G. J. Rudner · Zonghao Chen · Yee Whye Teh · Yarin Gal

In Poster Session 6

[ [Poster](#) ] [ [OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #510

Poster

## **RNNs of RNNs: Recursive Construction of Stable Assemblies of Recurrent Neural Networks**

Leo Kozachkov · Michaela Ennis · Jean-Jacques Slotine

In Poster Session 6

[ [OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #511

Poster

## **Use-Case-Grounded Simulations for Explanation Evaluation**

Valerie Chen · Nari Johnson · Nicholay Topin · Gregory Plumb · Ameet Talwalkar

In Poster Session 6

[ [Poster](#) ] [ [OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #512

Poster

## **Autoformalization with Large Language Models**

Yuhuai Wu · Albert Qiaochu Jiang · Wenda Li · Markus N Rabe · Charles Staats · Mateja Jamnik · Christian Szegedy

In Poster Session 6

[ [OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #513

Poster

## **VCT: A Video Compression Transformer**

Fabian Mentzer · George D Toderici · David Minnen · Sergi Caelles · Sung Jin Hwang · Mario Lucic · Eirikur Agustsson

In Poster Session 6

[ [Poster](#) ] [ [OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #514

Poster

## **Diffusion Curvature for Estimating Local Curvature in High Dimensional Data**

Dhananjay Bhaskar · Kincaid MacDonald · Oluwadamilola Fasina · Dawson Thomas · Bastian Rieck · Ian Adelstein · Smita Krishnaswamy

In Poster Session 6

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Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #515

Poster

## **Linear tree shap**

peng yu · Albert Bifet · Jesse Read · Chao Xu

In Poster Session 6

[ [OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #516

Poster

## **Kernel Interpolation with Sparse Grids**

Mohit Yadav · Daniel Sheldon · Cameron Musco

In Poster Session 6

[ [OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #517

Poster

## **Adaptive Interest for Emphatic Reinforcement Learning**

Martin Klissarov · Rasool Fakoor · Jonas Mueller · Kavosh Asadi · Taesup Kim · Alexander Smola

In Poster Session 6

[ [OpenReview](#) ]

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Poster

## **Provably Efficient Reinforcement Learning in Partially Observable Dynamical Systems**

[  OpenReview ]

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Poster

### **Towards Improving Calibration in Object Detection Under Domain Shift**

Muhammad Akhtar Munir · Muhammad Haris Khan · M. Sarfraz · Mohsen Ali

In Poster Session 6

[  OpenReview ]

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Poster

### **ELIGN: Expectation Alignment as a Multi-Agent Intrinsic Reward**

Zixian Ma · Rose Wang · Fei-Fei Li · Michael Bernstein · Ranjay Krishna

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #521

Poster

### **Model-Based Imitation Learning for Urban Driving**

Anthony Hu · Gianluca Corrado · Nicolas Griffiths · Zachary Murez · Corina Gurau · Hudson Yeo · Alex Kendall · In Poster Session 6

Roberto Cipolla · Jamie Shotton

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #522

Poster

### **Repairing Neural Networks by Leaving the Right Past Behind**

Ryutaro Tanno · Melanie F. Pradier · Aditya Nori · Yingzhen Li

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #523

Poster

### **Meta-Reinforcement Learning with Self-Modifying Networks**

Mathieu Chalvidal · Thomas Serre · Rufin VanRullen

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #524

Poster

### **The Unreliability of Explanations in Few-shot Prompting for Textual Reasoning**

Xi Ye · Greg Durrett

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #525

Poster

### **NeuForm: Adaptive Overfitting for Neural Shape Editing**

Connor Lin · Niloy Mitra · Gordon Wetzstein · Leonidas Guibas · Paul Guerrero

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #526

Poster

### **Semantic uncertainty intervals for disentangled latent spaces**

Swami Sankaranarayanan · Anastasios Angelopoulos · Stephen Bates · Yaniv Romano · Phillip Isola

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #527

Poster

### **Increasing the Scope as You Learn: Adaptive Bayesian Optimization in Nested Subspaces**

Leonard Papenmeier · Luigi Nardi · Matthias Poloczek

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #528

Poster

### **First Hitting Diffusion Models for Generating Manifold, Graph and Categorical Data**

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #529

Poster

**On Convergence of FedProx: Local Dissimilarity Invariant Bounds, Non-smoothness and Beyond**

Xiaotong Yuan · Ping Li

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #530

Poster

**Multi-Objective Deep Learning with Adaptive Reference Vectors**

Weiyu Chen · James Kwok

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #531

Poster

**The Nature of Temporal Difference Errors in Multi-step Distributional Reinforcement Learning**

Yunhao Tang · Remi Munos · Mark Rowland · Bernardo Avila Pires · Will Dabney · Marc Bellemare

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #532

Poster

**Envy-free Policy Teaching to Multiple Agents**

Jiarui Gan · R Majumdar · Adish Singla · Goran Radanovic

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #533

Poster

**When are Local Queries Useful for Robust Learning?**

Pascale Gourdeau · Varun Kanade · Marta Kwiatkowska · James Worrell

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #534

Poster

**Generalization for multiclass classification with overparameterized linear models**

Vignesh Subramanian · Rahul Arya · Anant Sahai

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #535

Poster

**Statistical Learning and Inverse Problems: A Stochastic Gradient Approach**

Yuri Fonseca

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #536

Poster

**Algorithms that Approximate Data Removal: New Results and Limitations**

Vinith Suriyakumar · Ashia Wilson

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #537

Poster

**Batch-Size Independent Regret Bounds for Combinatorial Semi-Bandits with Probabilistically Triggered Arms or Independent Arms**

Xutong Liu · Jinhang Zuo · Siwei Wang · Carlee Joe-Wong · John C.S. Lui · Wei Chen

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #538

Poster

## ***Efficient Phi-Regret Minimization in Extensive-Form Games via Online Mirror Descent***

Yu Bai · Chi Jin · Song Mei · Ziang Song · Tiancheng Yu

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #539

Poster

## ***Reinforcement Learning in a Birth and Death Process: Breaking the Dependence on the State Space***

Jonatha Anselmi · Bruno Gaujal · Louis-Sébastien Rebuffi

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #540

Poster

## ***Provably Efficient Model-Free Constrained RL with Linear Function Approximation***

Arnob Ghosh · Xingyu Zhou · Ness Shroff

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #541

Poster

## ***Convergence for score-based generative modeling with polynomial complexity***

Holden Lee · Jianfeng Lu · Yixin Tan

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #542

Poster

## ***Efficient Dataset Distillation using Random Feature Approximation***

Noel Loo · Ramin Hasani · Alexander Amini · Daniela Rus

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #642

Poster

## ***The Effects of Regularization and Data Augmentation are Class Dependent***

Randall Balestrieri · Leon Bottou · Yann LeCun

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #641

Poster

## ***EpiGRAF: Rethinking training of 3D GANs***

Ivan Skorokhodov · Sergey Tulyakov · Yiqun Wang · Peter Wonka

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #640

Poster

## ***Insights into Pre-training via Simpler Synthetic Tasks***

Yuhuai Wu · Felix Li · Percy Liang

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #639

Poster

## ***GPT3.int8(): 8-bit Matrix Multiplication for Transformers at Scale***

Tim Dettmers · Mike Lewis · Luke Zettlemoyer

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #638

Poster

## ***STNDT: Modeling Neural Population Activity with Spatiotemporal Transformers***

Trung Le · Eli Shlizerman

In Poster Session 6

[  OpenReview ]

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Poster

## **Neural Shape Deformation Priors**

Jiapeng Tang · Lev Markhasin · Bi Wang · Justus Thies · Matthias Niessner

In Poster Session 6

[  OpenReview ]

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Poster

## **SPoVT: Semantic-Prototype Variational Transformer for Dense Point Cloud Semantic Completion**

Sheng Yu Huang · Hao-Yu Hsu · Frank Wang

In Poster Session 6

[ Slides ] [ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #635

Poster

## **Coarse-to-Fine Vision-Language Pre-training with Fusion in the Backbone**

Zi-Yi Dou · Aishwarya Kamath · Zhe Gan · Pengchuan Zhang · Jianfeng Wang · Linjie Li · Zicheng Liu · Ce Liu · Yann LeCun · Nanyun Peng · Jianfeng Gao · Lijuan Wang

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #634

Poster

## **Beyond Not-Forgetting: Continual Learning with Backward Knowledge Transfer**

Sen Lin · Li Yang · Deliang Fan · Junshan Zhang

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #633

Poster

## **SKFlow: Learning Optical Flow with Super Kernels**

SHANGKUN SUN · Yuanqi Chen · Yu Zhu · Guodong Guo · Ge Li

In Poster Session 6

[ Poster ] [  OpenReview ]

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Poster

## **Polyhistor: Parameter-Efficient Multi-Task Adaptation for Dense Vision Tasks**

Yen-Cheng Liu · CHIH-YAO MA · Junjiao Tian · Zijian He · Zsolt Kira

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #631

Poster

## **Augmentations in Hypergraph Contrastive Learning: Fabricated and Generative**

Tianxin Wei · Yunling You · Tianlong Chen · Yang Shen · Jingrui He · Zhangyang Wang

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #630

Poster

## **3D Concept Grounding on Neural Fields**

Yining Hong · Yilun Du · Chunru Lin · Josh Tenenbaum · Chuang Gan

In Poster Session 6

[  OpenReview ]

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Poster

## **Bridge the Gap Between Architecture Spaces via A Cross-Domain Predictor**

Yuqiao Liu · Yehui Tang · Zeqiong Lv · Yunhe Wang · Yanan Sun

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #628

Poster

## **Intermediate Prototype Mining Transformer for Few-Shot Semantic Segmentation**

YUANWEI LIU · Nian Liu · Xiwen Yao · Junwei Han

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #627

Poster

## ***Uncertainty-Aware Hierarchical Refinement for Incremental Implicitly-Refined Classification***

Jian Yang · Kai Zhu · Kecheng Zheng · Yang Cao

In Poster Session 6

[ [Slides](#) ] [ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #626

Poster

## ***PolarMix: A General Data Augmentation Technique for LiDAR Point Clouds***

Aoran Xiao · Jiaxing Huang · Dayan Guan · Kaiwen Cui · Shijian Lu · Ling Shao

In Poster Session 6

[ [🔗 OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #625

Poster

## ***ShapeCrafter: A Recursive Text-Conditioned 3D Shape Generation Model***

Rao Fu · Xiao Zhan · YIWEN CHEN · Daniel Ritchie · Srinath Sridhar

In Poster Session 6

[ [🔗 OpenReview](#) ]

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Poster

## ***On the Learning Mechanisms in Physical Reasoning***

Shiqian Li · Kewen Wu · Chi Zhang · Yixin Zhu

In Poster Session 6

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Poster

## ***Benign, Tempered, or Catastrophic: Toward a Refined Taxonomy of Overfitting***

Neil Mallinar · James Simon · Amirhesam Abedsoltan · Parthe Pandit · Misha Belkin · Preetum Nakkiran

In Poster Session 6

[ [Slides](#) ] [ [Poster](#) ] [ [🔗 OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #622

Poster

## ***The trade-offs of model size in large recommendation models : 100GB to 10MB Criteo-tb DLRM model***

Aditya Desai · Anshumali Shrivastava

In Poster Session 6

[ [🔗 OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #621

Poster

## ***Geodesic Graph Neural Network for Efficient Graph Representation Learning***

Lecheng Kong · Yixin Chen · Muhan Zhang

In Poster Session 6

[ [🔗 OpenReview](#) ]

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Poster

## ***Convolutional Neural Networks on Graphs with Chebyshev Approximation, Revisited***

Mingguo He · Zhewei Wei · Ji-Rong Wen

In Poster Session 6

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## ***SignRFF: Sign Random Fourier Features***

Xiaoyun Li · Ping Li

In Poster Session 6

[ [🔗 OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #618

Poster

## ***Rapidly Mixing Multiple-try Metropolis Algorithms for Model Selection Problems***

Hyunwoong Chang · Changwoo Lee · Zhao Tang Luo · Huiyan Sang · Quan Zhou

In Poster Session 6

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Poster

**What is a Good Metric to Study Generalization of Minimax Learners?**

Asuman Ozdaglar · Sarath Pattathil · Jiawei Zhang · Kaiqing Zhang

In Poster Session 6

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Poster

**Non-stationary Bandits with Knapsacks**

Shang Liu · Jiashuo Jiang · Xiaocheng Li

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #615

Poster

**Semi-Supervised Learning with Decision Trees: Graph Laplacian Tree Alternating Optimization**

Arman Zhamagambetov · Miguel A. Carreira-Perpinan

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #614

Poster

**Learning on Arbitrary Graph Topologies via Predictive Coding**

Tommaso Salvatori · Luca Pinchetti · Beren Millidge · Yuhang Song · Tianyi Bao · Rafal Bogacz · Thomas Lukasiewicz

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #613

Poster

**Asynchronous Actor-Critic for Multi-Agent Reinforcement Learning**

Yuchen Xiao · Weihao Tan · Christopher Amato

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #612

Poster

**Video PreTraining (VPT): Learning to Act by Watching Unlabeled Online Videos**

Bowen Baker · Ilge Akkaya · Peter Zhokov · Joost Huizinga · Jie Tang · Adrien Ecoffet · Brandon Houghton · Raul Sampedro · Jeff Clune

In Poster Session 6

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Poster

**Patching open-vocabulary models by interpolating weights**

Gabriel Ilharco · Mitchell Wortsman · Samir Yitzhak Gadre · Shuran Song · Hannaneh Hajishirzi · Simon KornblithIn Poster Session 6 · Ali Farhadi · Ludwig Schmidt

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #610

Poster

**Generative Visual Prompt: Unifying Distributional Control of Pre-Trained Generative Models**

Chen Henry Wu · Saman Motamed · Shaunak Srivastava · Fernando D De la Torre

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #609

Poster

**Learning Options via Compression**

Yiding Jiang · Evan Liu · Benjamin Eysenbach · J. Zico Kolter · Chelsea Finn

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #608

Poster

## ***On the Effectiveness of Fine-tuning Versus Meta-reinforcement Learning***

Mandi Zhao · Pieter Abbeel · Stephen James

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #607

Poster

## ***Reincarnating Reinforcement Learning: Reusing Prior Computation to Accelerate Progress***

Rishabh Agarwal · Max Schwarzer · Pablo Samuel Castro · Aaron Courville · Marc Bellemare

In Poster Session 6

[ Slides ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #606

Poster

## ***Rethinking Generalization in Few-Shot Classification***

Markus Hiller · Rongkai Ma · Mehrtash Harandi · Tom Drummond

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #605

Poster

## ***ProtoVAE: A Trustworthy Self-Explainable Prototypical Variational Model***

Srishti Gautam · Ahcène Boubekki · Stine Hansen · Suiba Salahuddin · Robert Jenssen · Marina Höhne ·

In Poster Session 6

Michael Kampffmeyer

[  OpenReview ]

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Poster

## ***Deep Fourier Up-Sampling***

man zhou · Hu Yu · Jie Huang · Feng Zhao · Jinwei Gu · Chen Change Loy · Deyu Meng · Chongyi Li

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #603

Poster

## ***Provable Subspace Identification Under Post-Nonlinear Mixtures***

Qi Lyu · Xiao Fu

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #602

Poster

## ***Distributed Distributionally Robust Optimization with Non-Convex Objectives***

Yang Jiao · Kai Yang · Dongjin Song

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #701

Poster

## ***GhostNetV2: Enhance Cheap Operation with Long-Range Attention***

Yehui Tang · Kai Han · Jianyuan Guo · Chang Xu · Chao Xu · Yunhe Wang

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #702

Poster

## ***Exploiting Semantic Relations for Glass Surface Detection***

Jiaying Lin · Yuen-Hei Yeung · Rynson Lau

In Poster Session 6

[ Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #703

Poster

## ***A Simple Approach to Automated Spectral Clustering***

Jicong Fan · Yiheng Tu · Zhao Zhang · Mingbo Zhao · Haijun Zhang

In Poster Session 6

[ Slides ] [ Poster ] [  OpenReview ]

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Poster

### ***Hiding Images in Deep Probabilistic Models***

Haoyu Chen · Linqi Song · Zhenxing Qian · Xinpeng Zhang · Kede Ma

In Poster Session 6

[  OpenReview ]

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Poster

### ***Analyzing Lottery Ticket Hypothesis from PAC-Bayesian Theory Perspective***

Keitaro Sakamoto · Issei Sato

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #706

Poster

### ***Large Language Models are Zero-Shot Reasoners***

Takeshi Kojima · Shixiang (Shane) Gu · Machel Reid · Yutaka Matsuo · Yusuke Iwasawa

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #707

Poster

### ***Sym-NCO: Leveraging Symmetricity for Neural Combinatorial Optimization***

Minsu Kim · Junyoung Park · Jinkyoo Park

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #708

Poster

### ***Randomized Channel Shuffling: Minimal-Overhead Backdoor Attack Detection without Clean Datasets***

Ruisi Cai · Zhenyu Zhang · Tianlong Chen · Xiaohan Chen · Zhangyang Wang

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #709

Poster

### ***Meta-Query-Net: Resolving Purity-Informativeness Dilemma in Open-set Active Learning***

Dongmin Park · Yooju Shin · Jihwan Bang · Youngjun Lee · Hwanjun Song · Jae-Gil Lee

In Poster Session 6

[  Slides ] [  Poster ] [  OpenReview ]

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Poster

### ***A Simple Decentralized Cross-Entropy Method***

Zichen Zhang · Jun Jin · Martin Jagersand · Jun Luo · Dale Schuurmans

In Poster Session 6

[  Poster ] [  OpenReview ]

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Poster

### ***The Missing Invariance Principle found -- the Reciprocal Twin of Invariant Risk Minimization***

Dongsung Huh · Avinash Baidya

In Poster Session 6

[  OpenReview ]

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Poster

### ***Active Learning with Safety Constraints***

Romain Camilleri · Andrew Wagenmaker · Jamie Morgenstern · Lalit Jain · Kevin Jamieson

In Poster Session 6

[  OpenReview ]

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Poster

### ***A PAC-Bayesian Generalization Bound for Equivariant Networks***

Arash Behboodi · Gabriele Cesa · Taco Cohen

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #714

Poster

### **When to Intervene: Learning Optimal Intervention Policies for Critical Events**

Niranjan Damera Venkata · Chiranjib Bhattacharyya

In Poster Session 6

[ [Poster](#) ] [  OpenReview ]

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Poster

### **Recall Distortion in Neural Network Pruning and the Undecayed Pruning Algorithm**

Aidan Good · Jiaqi Lin · Xin Yu · Hannah Sieg · Mikey Ferguson · Shandian Zhe · Jerzy Wieczorek · Thiago Serra

In Poster Session 6

[  OpenReview ]

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Poster

### **Efficient and Modular Implicit Differentiation**

Mathieu Blondel · Quentin Berthet · Marco Cuturi · Roy Frostig · Stephan Hoyer · Felipe Llinares-Lopez · Fabian Pedregosa · Jean-Philippe Vert

In Poster Session 6

[  OpenReview ]

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### **Detection and Localization of Changes in Conditional Distributions**

Lizhen Nie · Dan Niccolae

In Poster Session 6

[  OpenReview ]

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Poster

### **Turbocharging Solution Concepts: Solving NEs, CEs and CCEs with Neural Equilibrium Solvers**

Luke Marris · Ian Gemp · Thomas Anthony · Andrea Tacchetti · Siqi Liu · Karl Tuyls

In Poster Session 6

[  OpenReview ]

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Poster

### **DGD<sup>2</sup>: A Linearly Convergent Distributed Algorithm For High-dimensional Statistical Recovery**

Marie Maros · Gesualdo Scutari

In Poster Session 6

[  OpenReview ]

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Poster

### **Robust Streaming PCA**

Daniel Bienstock · Minchan Jeong · Apurv Shukla · Se-Young Yun

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #722

Poster

### **Trimmed Maximum Likelihood Estimation for Robust Generalized Linear Model**

Pranjal Awasthi · Abhimanyu Das · Weihao Kong · Rajat Sen

In Poster Session 6

[  OpenReview ]

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Poster

### **Sampling with Riemannian Hamiltonian Monte Carlo in a Constrained Space**

Yunbum Kook · Yin-Tat Lee · Ruochi Shen · Santosh Vempala

In Poster Session 6

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## **Off-Policy Evaluation with Policy-Dependent Optimization Response**

Wenshuo Guo · Michael Jordan · Angela Zhou

In Poster Session 6

[  OpenReview ]

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## **Bayesian Risk Markov Decision Processes**

Yifan Lin · Yuxuan Ren · Enlu Zhou

In Poster Session 6

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## **Variational inference via Wasserstein gradient flows**

Marc Lambert · Sinho Chewi · Francis Bach · Silvère Bonnabel · Philippe Rigollet

In Poster Session 6

[  Slides ] [  Poster ] [  OpenReview ]

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Poster

## **Alternating Mirror Descent for Constrained Min-Max Games**

Andre Wibisono · Molei Tao · Georgios Piliouras

In Poster Session 6

[  OpenReview ]

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Poster

## **Efficient and Near-Optimal Smoothed Online Learning for Generalized Linear Functions**

Adam Block · Max Simchowitz

In Poster Session 6

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Poster

## **Inducing Equilibria via Incentives: Simultaneous Design-and-Play Ensures Global**

### **Convergence**

Boyi Liu · Jiayang Li · Zhuoran Yang · Hoi-To Wai · Mingyi Hong · Yu Nie · Zhaoran Wang

In Poster Session 6

[  OpenReview ]

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Poster

## **Mean Estimation with User-level Privacy under Data Heterogeneity**

Rachel Cummings · Vitaly Feldman · Audra McMillan · Kunal Talwar

In Poster Session 6

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Poster

## **Intrinsic dimensionality estimation using Normalizing Flows**

Christian Horvat · Jean-Pascal Pfister

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #732

Poster

## **Washing The Unwashable : On The (Im)possibility of Fairwashing Detection**

Ali Shahin Shamsabadi · Mohammad Yaghini · Natalie Dullerud · Sierra Wyllie · Ulrich Alivodji · Aisha Alaagib · Sébastien Gambs · Nicolas Papernot

In Poster Session 6

[  OpenReview ]

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Poster

## **Differentially Private Graph Learning via Sensitivity-Bounded Personalized PageRank**

Alessandro Epasto · Vahab Mirrokni · Bryan Perozzi · Anton Tsitsulin · Peilin Zhong

In Poster Session 6

[  OpenReview ]

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Poster

## ***Independence Testing-Based Approach to Causal Discovery under Measurement Error and Linear Non-Gaussian Models***

Haoyue Dai · Peter Spirtes · Kun Zhang

In Poster Session 6

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Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #736

Poster

## ***Explainable Reinforcement Learning via Model Transforms***

Mira Finkelstein · Nitsan levy · Lucy Liu · Yoav Kolumbus · David Parkes · Jeffrey S Rosenschein · Sarah Keren In Poster Session 6

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Poster

## ***Where do Models go Wrong? Parameter-Space Saliency Maps for Explainability***

Roman Levin · Manli Shu · Eitan Borgnia · Furong Huang · Micah Goldblum · Tom Goldstein

In Poster Session 6

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Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #738

Poster

## ***Neural Circuit Architectural Priors for Embodied Control***

Nikhil Bhattachari · Anthony M Zador · Tatiana Engel

In Poster Session 6

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Poster

## ***Action-modulated midbrain dopamine activity arises from distributed control policies***

Jack Lindsey · Ashok Litwin-Kumar

In Poster Session 6

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Poster

## ***When are Offline Two-Player Zero-Sum Markov Games Solvable?***

Qiwen Cui · Simon Du

In Poster Session 6

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Poster

## ***Private and Communication-Efficient Algorithms for Entropy Estimation***

Gecia Bravo-Hermsdorff · Róbert Busa-Fekete · Mohammad Ghavamzadeh · Andres Munoz Medina · Umar

In Poster Session 6

Syed

[ [OpenReview](#) ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #742

Poster

## ***Approximate Value Equivalence***

Christopher Grimm · Andre Barreto · Satinder Singh

In Poster Session 6

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Poster

## ***Size and depth of monotone neural networks: interpolation and approximation***

Dan Mikulincer · Daniel Reichman

In Poster Session 6

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## ***Characterization of Excess Risk for Locally Strongly Convex Population Risk***

Mingyang Yi · Ruoyu Wang · Zhi-Ming Ma

In Poster Session 6

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Poster

**Computationally Efficient Horizon-Free Reinforcement Learning for Linear Mixture MDPs**

Dongruo Zhou · Quanquan Gu

In Poster Session 6

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**A Near-Optimal Best-of-Both-Worlds Algorithm for Online Learning with Feedback Graphs**

Chloé Rouyer · Dirk van der Hoeven · Nicolò Cesa-Bianchi · Yevgeny Seldin

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #838

Poster

**Optimal Rates for Regularized Conditional Mean Embedding Learning**

Zhu Li · Dimitri Meunier · Arthur Gretton

In Poster Session 6

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**The Burer-Monteiro SDP method can fail even above the Barvinok-Pataki bound**

Liam O'Carroll · Vaidehi Srinivas · Aravindan Vijayaraghavan

In Poster Session 6

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**Contextual Dynamic Pricing with Unknown Noise: Explore-then-UCB Strategy and Improved Regrets**

Yiyun Luo · Will Wei Sun · Yufeng Liu

In Poster Session 6

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #835

Poster

**Efficient Frameworks for Generalized Low-Rank Matrix Bandit Problems**

Yue Kang · Cho-Jui Hsieh · Thomas Chun Man Lee

In Poster Session 6

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Poster

**Generic bounds on the approximation error for physics-informed (and) operator learning**

Tim De Ryck · Siddhartha Mishra

In Poster Session 6

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Poster

**Zero-Sum Stochastic Stackelberg Games**

Denizalp Goktas · Sadie Zhao · Amy Greenwald

In Poster Session 6

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Poster

**Fair and Efficient Allocations Without Obvious Manipulations**

Alexandros Psomas · Paritosh Verma

In Poster Session 6

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Poster

**Faster Linear Algebra for Distance Matrices**

Piotr Indyk · Sandeep Silwal

In Poster Session 6

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Poster

### **SQ Lower Bounds for Learning Single Neurons with Massart Noise**

Ilias Diakonikolas · Daniel Kane · Lisheng Ren · Yuxin Sun

In Poster Session 6

[  OpenReview ]

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### **A Differentially Private Linear-Time fPTAS for the Minimum Enclosing Ball Problem**

Bar Mahpud · Or Sheffet

In Poster Session 6

[  OpenReview ]

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### **Subquadratic Kronecker Regression with Applications to Tensor Decomposition**

Matthew Fahrbach · Gang Fu · Mehrdad Ghadiri

In Poster Session 6

[  OpenReview ]

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Poster

### **Optimal Gradient Sliding and its Application to Optimal Distributed Optimization Under Similarity**

Dmitry Kovalev · Aleksandr Beznosikov · Ekaterina Borodich · Alexander Gasnikov · Gesualdo Scutari

In Poster Session 6

[  OpenReview ]

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Poster

### **Adam Can Converge Without Any Modification On Update Rules**

Yushun Zhang · Congliang Chen · Naichen Shi · Ruoyu Sun · Zhi-Quan Luo

In Poster Session 6

[  OpenReview ]

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Poster

### **Oracle-Efficient Online Learning for Smoothed Adversaries**

Nika Haghtalab · Yanjun Han · Abhishek Shetty · Kunhe Yang

In Poster Session 6

[  OpenReview ]

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### **Active Learning of Classifiers with Label and Seed Queries**

Marco Bressan · Nicolò Cesa-Bianchi · Silvio Lattanzi · Andrea Paudice · Maximilian Thiessen

In Poster Session 6

[  Slides ] [  OpenReview ]

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### **Near-Optimal Goal-Oriented Reinforcement Learning in Non-Stationary Environments**

Liyu Chen · Haipeng Luo

In Poster Session 6

[  OpenReview ]

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### **Sharper Convergence Guarantees for Asynchronous SGD for Distributed and Federated Learning**

Anastasiiia Koloskova · Sebastian Stich · Martin Jaggi

In Poster Session 6

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Poster

### **Improved Coresets for Euclidean $k$ -Means**

[  OpenReview ]

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### ***Sampling from Log-Concave Distributions with Infinity-Distance Guarantees***

Oren Mangoubi · Nisheeth Vishnoi

In Poster Session 6

[ Slides ] [  OpenReview ]

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### ***Stochastic Halpern Iteration with Variance Reduction for Stochastic Monotone Inclusions***

Xufeng Cai · Chaobing Song · Cristóbal Guzmán · Jelena Diakonikolas

In Poster Session 6

[  OpenReview ]

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Poster

### ***Sequential Information Design: Learning to Persuade in the Dark***

Martino Bernasconi · Matteo Castiglioni · Alberto Marchesi · Nicola Gatti · Francesco Trovò

In Poster Session 6

[ Poster ] [  OpenReview ]

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### ***Adaptive Stochastic Variance Reduction for Non-convex Finite-Sum Minimization***

Ali Kavis · EFSTRATIOS SKOULAKIS · Kimon Antonakopoulos · Leello Tadesse Dadi · Volkan Cevher In Poster Session 6

[  OpenReview ]

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### ***Exponential Separations in Symmetric Neural Networks***

Aaron Zweig · Joan Bruna

In Poster Session 6

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Poster

### ***Distributional Convergence of the Sliced Wasserstein Process***

Jiaqi Xi · Jonathan Niles-Weed

In Poster Session 6

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### ***Bridging Central and Local Differential Privacy in Data Acquisition Mechanisms***

Alireza Fallah · Ali Makhdoomi · azarakhsh malekian · Asuman Ozdaglar

In Poster Session 6

[  OpenReview ]

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### ***Unlabelled Sample Compression Schemes for Intersection-Closed Classes and Extremal Classes***

Joachim Rubinstein · Benjamin Rubinstein

In Poster Session 6

[  OpenReview ]

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### ***On Margin Maximization in Linear and ReLU Networks***

Gal Vardi · Ohad Shamir · Nati Srebro

In Poster Session 6

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## **Memorization and Optimization in Deep Neural Networks with Minimum Over-parameterization**

Simone Bombari · Mohammad Hossein Amani · Marco Mondelli

In Poster Session 6

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## **A Scalable Deterministic Global Optimization Algorithm for Training Optimal Decision Tree**

Kaixun Hua · Jiayang Ren · Yankai Cao

In Poster Session 6

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## **Is $L^2$ Physics Informed Loss Always Suitable for Training Physics Informed Neural Network?**

Chuwei Wang · Shanda Li · Di He · Liwei Wang

In Poster Session 6

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Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #807

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## **Recursive Reasoning in Minimax Games: A Level $k$ Gradient Play Method**

Zichu Liu · Lacra Pavel

In Poster Session 6

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## **Concept Activation Regions: A Generalized Framework For Concept-Based Explanations**

Jonathan Crabbé · Mihaela van der Schaar

In Poster Session 6

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## **Fair Rank Aggregation**

Diptarka Chakraborty · Syamantak Das · Arindam Khan · Aditya Subramanian

In Poster Session 6

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Poster

## **Variance Reduced ProxSkip: Algorithm, Theory and Application to Federated Learning**

Grigory Malinovsky · Kai Yi · Peter Richtarik

In Poster Session 6

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Poster

## **Recursive Reinforcement Learning**

Ernst Moritz Hahn · Mateo Perez · Sven Schewe · Fabio Somenzi · Ashutosh Trivedi · Dominik Wojtczak

In Poster Session 6

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## **The price of ignorance: how much does it cost to forget noise structure in low-rank matrix estimation?**

Jean Barbier · TianQi Hou · Marco Mondelli · Manuel Saenz

In Poster Session 6

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Poster

## **PDSketch: Integrated Domain Programming, Learning, and Planning**

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### **Human-AI Shared Control via Policy Dissection**

Quanyi Li · Zhenghao Peng · Haibin Wu · Lan Feng · Bolei Zhou

In Poster Session 6

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### **Embodied Scene-aware Human Pose Estimation**

Zhengyi Luo · Shun Iwase · Ye Yuan · Kris Kitani

In Poster Session 6

[  Poster ] [  OpenReview ]

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Poster

### **A Character-Level Length-Control Algorithm for Non-Autoregressive Sentence**

#### **Summarization**

Puyuan Liu · Xiang Zhang · Lili Mou

In Poster Session 6

[  Slides ] [  Poster ] [  OpenReview ]

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### **E-MAPP: Efficient Multi-Agent Reinforcement Learning with Parallel Program Guidance**

Can Chang · Ni Mu · Jiajun Wu · Ling Pan · Huazhe Xu

In Poster Session 6

[  OpenReview ]

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### **Semi-Supervised Generative Models for Multiagent Trajectories**

Dennis Fassmeyer · Pascal Fassmeyer · Ulf Brefeld

In Poster Session 6

[  OpenReview ]

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Poster

### **Scale-invariant Learning by Physics Inversion**

Philipp Holl · Vladlen Koltun · Nils Thuerey

In Poster Session 6

[  OpenReview ]

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### **Compositional Generalization in Unsupervised Compositional Representation Learning: A**

#### **Study on Disentanglement and Emergent Language**

Zhenlin Xu · Marc Niethammer · Colin Raffel

In Poster Session 6

[  OpenReview ]

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### **Are Defenses for Graph Neural Networks Robust?**

Felix Mukanovic · Simon Geisler · Stephan Günnemann · Aleksandar Bojchevski

In Poster Session 6

[  OpenReview ]

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### **Human-AI Collaborative Bayesian Optimisation**

Arun Kumar Anjanapura Venkatesh · Santu Rana · Alistair Shilton · Svetha Venkatesh

In Poster Session 6

[  OpenReview ]

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## **On the Interpretability of Regularisation for Neural Networks Through Model Gradient Similarity**

Vincent Szolnoky · Viktor Andersson · Balazs Kulcsar · Rebecka Jörnsten

In Poster Session 6

[  OpenReview ]

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## **Modular Flows: Differential Molecular Generation**

Yogesh Verma · Samuel Kaski · Markus Heinonen · Vikas Garg

In Poster Session 6

[  OpenReview ]

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Poster

## **Error Correction Code Transformer**

Yoni Choukroun · Lior Wolf

In Poster Session 6

[  Poster ] [  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #911

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## **BYOL-Explore: Exploration by Bootstrapped Prediction**

Zhaohan Guo · Shantanu Thakoor · Miruna Pislar · Bernardo Avila Pires · Florent Altché · Corentin Tallec · Alaa Saade · Daniele Calandriello · Jean-Bastien Grill · Yunhao Tang · Michal Valko · Remi Munos · Mohammad Gheshlaghi Azar · Bilal Piot

In Poster Session 6

[  OpenReview ]

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## **TransBoost: Improving the Best ImageNet Performance using Deep Transduction**

Omer Belhasin · Guy Bar-Shalom · Ran El-Yaniv

In Poster Session 6

[  OpenReview ]

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## **MorphTE: Injecting Morphology in Tensorized Embeddings**

Guobing Gan · Peng Zhang · Sunzhu Li · Xiuqing Lu · Benyou Wang

In Poster Session 6

[  Poster ] [  OpenReview ]

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## **Attention-based Neural Cellular Automata**

Mattie Tesfaldet · Derek Nowrouzezahrai · Chris Pal

In Poster Session 6

[  OpenReview ]

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## **Benchopt: Reproducible, efficient and collaborative optimization benchmarks**

Thomas Moreau · Mathurin Massias · Alexandre Gramfort · Pierre Ablin · Pierre-Antoine Bannier · Benjamin Charlier · Mathieu Dagréou · Tom Dupre la Tour · Ghislain DURIF · Cassio F. Dantas · Quentin Klopfenstein · Johan Larsson · En Lai · Tanguy Lefort · Benoît Malézieux · Badr MOUFAD · Binh T. Nguyen · Alain Rakotomamonjy · Zaccharie Ramzi · Joseph Salmon · Samuel Vaiter

In Poster Session 6

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## **EAGER: Asking and Answering Questions for Automatic Reward Shaping in Language-guided RL**

Thomas Carta · Pierre-Yves Oudeyer · Olivier Sigaud · Sylvain Lamprier

In Poster Session 6

[  OpenReview ]

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## **VER: Scaling On-Policy RL Leads to the Emergence of Navigation in Embodied Rearrangement**

Erik Wijmans · Irfan Essa · Dhruv Batra

In Poster Session 6

[  OpenReview ]

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## **Redistribution of Weights and Activations for AdderNet Quantization**

Ying Nie · Kai Han · Haikang Diao · Chuanjian Liu · Enhua Wu · Yunhe Wang

In Poster Session 6

[  OpenReview ]

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## **Eliciting Thinking Hierarchy without a Prior**

Yuqing Kong · Yunqi Li · Yubo Zhang · Zhihuan Huang · Jinzhao Wu

In Poster Session 6

[  Poster ] [  OpenReview ]

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## **First Contact: Unsupervised Human-Machine Co-Adaptation via Mutual Information Maximization**

Siddharth Reddy · Sergey Levine · Anca Dragan

In Poster Session 6

[  Poster ] [  OpenReview ]

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## **Identifying good directions to escape the NTK regime and efficiently learn low-degree plus sparse polynomials**

Eshaan Nichani · Yu Bai · Jason Lee

In Poster Session 6

[  Slides ] [  OpenReview ]

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Poster

## **Identification, Amplification and Measurement: A bridge to Gaussian Differential Privacy**

Yi Liu · Ke Sun · Bei Jiang · Linglong Kong

In Poster Session 6

[  OpenReview ]

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## **Dataset Distillation via Factorization**

Songhua Liu · Kai Wang · Xingyi Yang · Jingwen Ye · Xinchao Wang

In Poster Session 6

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Poster

## **Oscillatory Tracking of Continuous Attractor Neural Networks Account for Phase Precession and Precession of Hippocampal Place Cells**

Tianhao Chu · Zilong Ji · Junfeng Zuo · Wenhao Zhang · Tiejun Huang · Yuanyuan Mi · Si Wu

In Poster Session 6

[  OpenReview ]

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Poster

## **Palm up: Playing in the Latent Manifold for Unsupervised Pretraining**

Hao Liu · Tom Zahavy · Volodymyr Mnih · Satinder Singh

In Poster Session 6

[  OpenReview ]

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Poster

## Towards Trustworthy Automatic Diagnosis Systems by Emulating Doctors' Reasoning with Deep Reinforcement Learning

Arsene Fansi Tchango · Rishab Goel · Julien Martel · Zhi Wen · Gaetan Marceau Caron · Joumana Ghosn

In Poster Session 6

[  OpenReview ]

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Poster

## Large-Scale Retrieval for Reinforcement Learning

Peter Humphreys · Arthur Guez · Olivier Tieleman · Laurent Sifre · Theophane Weber · Timothy Lillicrap

In Poster Session 6

[  OpenReview ]

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## What Can Transformers Learn In-Context? A Case Study of Simple Function Classes

Shivam Garg · Dimitris Tsipras · Percy Liang · Gregory Valiant

In Poster Session 6

[  OpenReview ]

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Poster

## Chain of Thought Imitation with Procedure Cloning

Mengjiao (Sherry) Yang · Dale Schuurmans · Pieter Abbeel · Ofir Nachum

In Poster Session 6

[ Slides ] [ Poster ] [  OpenReview ]

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Poster

## First-Order Algorithms for Min-Max Optimization in Geodesic Metric Spaces

Michael Jordan · Tianyi Lin · Emmanouil-Vasileios Vlatakis-Gkaragkounis

In Poster Session 6

[  OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #931

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## On the Identifiability of Nonlinear ICA: Sparsity and Beyond

Yujia Zheng · Ignavier Ng · Kun Zhang

In Poster Session 6

[ Poster ] [  OpenReview ]

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## Biologically-plausible backpropagation through arbitrary timespans via local neuromodulators

Yuhan Helena Liu · Stephen Smith · Stefan Mihalas · Eric Shea-Brown · Uygar Sümbül

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## Nonlinear MCMC for Bayesian Machine Learning

James Vuckovic

In Poster Session 6

[  OpenReview ]

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## Transition to Linearity of General Neural Networks with Directed Acyclic Graph Architecture

Libin Zhu · Chaoyue Liu · Misha Belkin

In Poster Session 6

[  OpenReview ]

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## Fast Algorithms for Packing Proportional Fairness and its Dual

Francisco Criado · David Martinez-Rubio · Sebastian Pokutta

In Poster Session 6

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## **Approaching Quartic Convergence Rates for Quasi-Stochastic Approximation with Application to Gradient-Free Optimization**

Caio Kalil Lauand · Sean Meyn

In Poster Session 6

[ Poster ] [ ⚑ OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #937

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## **Robust Generalized Method of Moments: A Finite Sample Viewpoint**

Dhruv Rohatgi · Vasilis Syrgkanis

In Poster Session 6

[ ⚑ OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #938

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## **Adapting to Online Label Shift with Provable Guarantees**

Yong Bai · Yu-Jie Zhang · Peng Zhao · Masashi Sugiyama · Zhi-Hua Zhou

In Poster Session 6

[ ⚑ OpenReview ]

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## **Understanding and Extending Subgraph GNNs by Rethinking Their Symmetries**

Fabrizio Frasca · Beatrice Bevilacqua · Michael Bronstein · Haggai Maron

In Poster Session 6

[ ⚑ OpenReview ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #940

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## **Reconstruction on Trees and Low-Degree Polynomials**

Frederic Koehler · Elchanan Mossel

In Poster Session 6

[ ⚑ OpenReview ]

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## **Benign Underfitting of Stochastic Gradient Descent**

Tomer Koren · Roi Livni · Yishay Mansour · Uri Sherman

In Poster Session 6

[ ⚑ OpenReview ]

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## **Using natural language and program abstractions to instill human inductive biases in machines**

Sreejan Kumar · Carlos G. Correa · Ishita Dasgupta · Raja Marjeh · Michael Y Hu · Robert Hawkins · Jonathan In Poster Session 6  
D Cohen · nathaniel daw · Karthik Narasimhan · Tom Griffiths

[ Poster ] [ ⚑ OpenReview ]

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## **Revisiting Injective Attacks on Recommender Systems**

Haoyang LI · Shimin DI · Lei Chen

In Poster Session 6

[ ⚑ OpenReview ]

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## **PointNeXt: Revisiting PointNet++ with Improved Training and Scaling Strategies**

Guocheng Qian · Yuchen Li · Houwen Peng · Jinjie Mai · Hasan Hammoud · Mohamed Elhoseiny · Bernard In Poster Session 6  
Ghanem

[ Poster ] [ ⚑ OpenReview ]

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## **SIXO: Smoothing Inference with Twisted Objectives**

Dieterich Lawson · Allan Raventós · andrew warrington · Scott Linderman

In Poster Session 6

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## **Robust Graph Structure Learning over Images via Multiple Statistical Tests**

Yaohua Wang · Fangyi Zhang · Ming Lin · Senzhang Wang · Xiuyu Sun · Rong Jin

In Poster Session 6

[  Poster ] [  OpenReview ]

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## **Fairness Reprogramming**

Guanhua Zhang · Yihua Zhang · Yang Zhang · Wenqi Fan · Qing Li · Sijia Liu · Shiyu Chang

In Poster Session 6

[  OpenReview ]

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## **Private Graph All-Pairwise-Shortest-Path Distance Release with Improved Error Rate**

Chenglin Fan · Ping Li · Xiaoyun Li

In Poster Session 6

[  Poster ] [  OpenReview ]

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Poster

## **Optimal Comparator Adaptive Online Learning with Switching Cost**

Zhiyu Zhang · Ashok Cutkosky · Yannis Paschalidis

In Poster Session 6

[  Poster ] [  OpenReview ]

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## **Supervised Training of Conditional Monge Maps**

Charlotte Bunne · Andreas Krause · Marco Cuturi

In Poster Session 6

[  OpenReview ]

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## **Deterministic Langevin Monte Carlo with Normalizing Flows for Bayesian Inference**

Richard Grumitt · Biwei Dai · Uros Seljak

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## **CGLB: Benchmark Tasks for Continual Graph Learning**

Xikun Zhang · Dongjin Song · Dacheng Tao

In Poster Session 6

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## **ADBench: Anomaly Detection Benchmark**

Songqiao Han · Xiyang Hu · Hailiang Huang · Minqi Jiang · Yue Zhao

In Poster Session 6

[  Slides ] [  Poster ] [  OpenReview ]

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## **Meta-Album: Multi-domain Meta-Dataset for Few-Shot Image Classification**

Ihsan Ullah · Dustin Carrión-Ojeda · Sergio Escalera · Isabelle Guyon · Mike Huisman · Felix Mohr · Jan N. van Rijn · Haozhe Sun · Joaquin Vanschoren · Phan Anh Vu

In Poster Session 6

[  Poster ] [  OpenReview ]

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## ***BOND: Benchmarking Unsupervised Outlier Node Detection on Static Attributed Graphs***

Kay Liu · Yingtong Dou · Yue Zhao · Xueying Ding · Xiyang Hu · Ruitong Zhang · Kaize Ding · Canyu Chen · HaoIn Poster Session 6  
Peng · Kai Shu · Lichao Sun · Jundong Li · George H Chen · Zhihao Jia · Philip S Yu

[ Slides ] [ Poster ] [  OpenReview ]

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## ***Is one annotation enough? - A data-centric image classification benchmark for noisy and ambiguous label estimation***

Lars Schmarje · Vasco Grossmann · Claudius Zelenka · Sabine Dippel · Rainer Kiko · Mariusz Oszust · Matti In Poster Session 6  
Pastell · Jenny Stracke · Anna Valros · Nina Volkmann · Reinhard Koch

[ Poster ] [  OpenReview ]

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## ***Dungeons and Data: A Large-Scale NetHack Dataset***

Eric Hambro · Roberta Raileanu · Danielle Rothermel · Vegard Mella · Tim Rocktäschel · Heinrich Küttler · Naila In Poster Session 6  
Murray

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## ***Honor of Kings Arena: an Environment for Generalization in Competitive Reinforcement Learning***

Hua Wei · Jingxiao Chen · Xiyang Ji · Hongyang Qin · Minwen Deng · Siqin Li · Liang Wang · Weinan Zhang · In Poster Session 6  
Yong Yu · Liu Linc · Lanxiao Huang · Deheng Ye · Qiang Fu · Wei Yang

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## ***EPIC-KITCHENS VISOR Benchmark: Video Segmentations and Object Relations***

Ahmad Darkhalil · Dandan Shan · Bin Zhu · Jian Ma · Amlan Kar · Richard Higgins · Sanja Fidler · David Fouhey In Poster Session 6  
· Dima Damen

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## ***EgoTaskQA: Understanding Human Tasks in Egocentric Videos***

Baoxiong Jia · Ting Lei · Song-Chun Zhu · Siyuan Huang In Poster Session 6

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## ***SCAMPS: Synthetics for Camera Measurement of Physiological Signals***

Daniel McDuff · Miah Wander · Xin Liu · Brian Hill · Javier Hernandez · Jonathan Lester · Tadas Baltrusaitis In Poster Session 6  
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## ***Robustness Disparities in Face Detection***

Samuel Dooley · George Z Wei · Tom Goldstein · John Dickerson In Poster Session 6

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## ***Long Range Graph Benchmark***

Vijay Prakash Dwivedi · Ladislav Rampášek · Mikhail Galkin · Ali Parviz · Guy Wolf · Anh Tuan Luu · Dominique In Poster Session 6  
Beaini

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**CLEVRER-Humans: Describing Physical and Causal Events the Human Way**

Jiayuan Mao · Xuelin Yang · Xikun Zhang · Noah Goodman · Jiajun Wu

In Poster Session 6

[  OpenReview ]

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**CLiMB: A Continual Learning Benchmark for Vision-and-Language Tasks**

Tejas Srinivasan · Ting-Yun Chang · Leticia Pinto Alva · Georgios Chochlakis · Mohammad Rostami · Jesse Thomason

In Poster Session 6

[  OpenReview ]

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**OLIVES Dataset: Ophthalmic Labels for Investigating Visual Eye Semantics**

Mohit Prabhushankar · Kiran Kokilepersaud · Yash-yee Logan · Stephanie Trejo Corona · Ghassan AlRegib · Charles Wykoff

In Poster Session 6

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**SkinCon: A skin disease dataset densely annotated by domain experts for fine-grained debugging and analysis**

Roxana Daneshjou · Mert Yuksekgonul · Zhuo Ran Cai · Roberto Novoa · James Zou

In Poster Session 6

[  OpenReview ]

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**Understanding Aesthetics with Language: A Photo Critique Dataset for Aesthetic Assessment**

Daniel Vera Nieto · Luigi Celona · Clara Fernandez Labrador

In Poster Session 6

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**ENS-10: A Dataset For Post-Processing Ensemble Weather Forecasts**

Saleh Ashkboos · Langwen Huang · Nikoli Dryden · Tal Ben-Nun · Peter Dueben · Lukas Gianinazzi · Luca Kummer · Torsten Hoefer

In Poster Session 6

[ Poster ] [  OpenReview ]

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**Hard ImageNet: Segmentations for Objects with Strong Spurious Cues**

Mazda Moayeri · Sahil Singla · Soheil Feizi

In Poster Session 6

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**Video compression dataset and benchmark of learning-based video-quality metrics**

Anastasia Antsiferova · Sergey Lavrushkin · Maksim Smirnov · Aleksandr Gushchin · Dmitriy Vatolin · Dmitriy Kulikov

In Poster Session 6

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**TweetNERD - End to End Entity Linking Benchmark for Tweets**

Shubhanshu Mishra · Aman Saini · Raheleh Makki · Sneha Mehta · Aria Haghghi · Ali Mollahosseini

In Poster Session 6

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Poster

***BigBio: A Framework for Data-Centric Biomedical Natural Language Processing***

Jason Fries · Leon Weber · Natasha Seelam · Gabriel Altay · Debajyoti Datta · Samuele Garda · Sunny Kang · In Poster Session 6  
 Rosaline Su · Wojciech Kusa · Samuel Cahyawijaya · Fabio Barth · Simon Ott · Matthias Samwald · Stephen Bach · Stella Biderman  
 · Mario Sänger · Bo Wang · Alison Callahan · Daniel León Periñán · Théo Gigant · Patrick Haller · Jenny Chim · Jose Posada · John Giorgi · Karthik Rangasai Sivaraman · Marc Pàmies · Marianna Nezhurina · Robert Martin · Michael Cullan · Moritz Freidank ·  
 Nathan Dahlberg · Shubhanshu Mishra · Shamik Bose · Nicholas Broad · Yanis Labrak · Shlok Deshmukh · Sid Kiblawi · Ayush Singh · Minh Chien Vu · Trishala Neeraj · Jonas Golde · Albert Villanova del Moral · Benjamin Beilharz

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***A Dataset for Efforts Towards Achieving the Sustainable Development Goal of Safe Working Environments***

Eirik Lund Flogard · Ole Jakob Mengshoel

In Poster Session 6

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***(f, Gamma)-Divergences: Interpolating between f-Divergences and Integral Probability Metrics***

Jeremiah Birrell · Paul Dupuis · Markos A. Katsoulakis · Yannis Pantazis · Luc Rey-Bellet

In Poster Session 6

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 [ [Paper PDF](#) ]

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***A Bregman Learning Framework for Sparse Neural Networks***

Leon Bungert · Tim Roith · Daniel Tenbrinck · Martin Burger

In Poster Session 6

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 [ [Paper PDF](#) ]

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***D-GCCA: Decomposition-based Generalized Canonical Correlation Analysis for Multi-view High-dimensional Data***

Hai Shu · Zhe Qu · Hongtu Zhu

In Poster Session 6

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***A Primer for Neural Arithmetic Logic Modules***

Bhumika Mistry · Katayoun Farrahi · Jonathon Hare

In Poster Session 6

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 [ [Paper PDF](#) ]

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***[Re] Explaining in Style: Training a GAN to explain a classifier in StyleSpace***

Chase van de Geijn · Victor Kyriacou · Irene Papadopoulou · Vasiliki Vasileiou

In Poster Session 6

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 [ [Paper PDF](#) ]

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***[Re] A Cluster-based Approach for Improving Isotropy in Contextual Embedding Space***

Benjamin Džubur

In Poster Session 6

[ Poster ]

[ Paper PDF ]

Thu Dec 01 02:30 PM -- 04:00 PM (PST) @ Hall J #1004

Poster

**[Re] Replication study of 'Data-Driven Methods for Balancing Fairness and Efficiency in Ride-Pooling'**

Vera Neplenbroek · Sabijn Perdijk · Victor Prins

In Poster Session 6

[ Paper PDF ]