

## Tuesday 25/11

3pm - 5:30pm

# Poster

1 Oracle-Efficient Combinatorial Semi-Bandits	Junghun Kim
2 OSKAR: Omnimodal Self-supervised Knowledge Abstraction and Representation	Kaouther Messaoud
3 A solvable model of learning generative diffusion: theory and insights	Hugo Cui
4 AlligatOR: Pre-Training through Covisibility Segmentation for Relative Camera Pose Regression	Thibaut Loiseau
5 AlphaBeta is not as good as you think: a new probabilistic model to better analyze deterministic game-solving algorithms	Raphael Boige, Bruno Scherrer
6 Asymptotics of SGD in Sequence-Single Index Models and Single-Layer Attention Networks	Bruno Loureiro
7 Attention-based clustering	Rodrigo Maulen Soto
8 Bayes optimal learning of attention-indexed models	Fabrizio Boncoraglio
9 Bivariate Matrix-valued Linear Regression (BMLR): Finite-sample performance under Identifiability and Sparsity Assumptions	Nayel Bettache
10 Boosting Generative Image Modeling via Joint Image-Feature Synthesis	Theodoros Kouzelis
11 Bridging Arbitrary and Tree Metrics via Differentiable Gromov Hyperbolicity	Pierre Houdry, Titouan Vayer
12 Comparing Uniform Price and Discriminatory Multi-Unit Auctions through Regret Minimization	Marius Potter
13 Convolution Goes Higher-Order: A Biologically Inspired Mechanism Empowers Image Classification	Simone Azeoglio
14 EquiTANFN: A Target-Permutation Equivariant Prior Fitted Network	Michael Arbel
15 Instance-Dependent Regret Bounds for Nonstochastic Linear Partial Monitoring	Khaled Eldowa
16 Large Stepsizes Accelerate Gradient Descent for Regularized Logistic Regression	Pierre Marion
17 Learning (Approximately) Equivariant Networks via Constrained Optimization	Luiz Chamon
18 Learning Theory for Kernel Bilevel Optimization	Fares El Khoury
19 Learning with Equality Constraints	Luiz Chamon
20 Learning with Restricted Boltzmann Machines: Asymptotics of AMP and GD in High Dimensions	Yizhou Xu
21 Memorization in Graph Neural Networks	Adarsh Jamadandi
22 Minimax Adaptive Online Nonparametric Regression over Besov Spaces	Paul Liautaud
23 Multi-Token Prediction Needs Registers	Anastasios Gerontopoulos
24 Non-Asymptotic Analysis Of Data Augmentation For Precision Matrix Estimation	Lucas Morisset, Alain Oliviero-Durmus
25 Non-stationary Lipschitz Bandits	Nicolas Nguyen
26 On the Closed-Form of Flow Matching: Generalization Does Not Arise from Target Stochasticity	Anne Gagneux
27 Optimal Best Arm Identification under Differential Privacy	Marc Jourdan
28 Optimal Spectral Transitions in High-Dimensional Multi-Index Models	Leonardo Defilippis
29 Robust Distributed Estimation: Extending Gossip Algorithms to Ranking and Trimmed Means	Anna Van Elst
30 Sample and Map from a Single Convex Potential using Conjugate Generative Moment Measures	Nina Vesseron
31 ShiQ: Bringing back Bellman to LLMs	Pierre Clavier
32 SplitFlow: Flow Decomposition for Inversion-Free Text-to-Image Editing	Gaspard Beaudouin
33 T-REGS: Minimum Spanning Tree Regularization for Self-Supervised Learning	Julie Mordacq, David Loiseaux
34 TabArena: A Living Benchmark for Machine Learning on Tabular Data	David Holzmüller
35 Taxonomy of reduction matrices for Graph Coarsening	Antonin Joly
36 Towards Fully FP8 GEMM LLM Training at Scale	Dhia Garbaya
37 Uniform Generalization Bounds on Data-Dependent Hypothesis Sets via PAC-Bayesian Theory on Random Sets	Paul Viallard
38 Why Diffusion Models Don't Memorize: The Role of Implicit Dynamical Regularization in Training	Raphaël Urfin
39 Streaming Federated Learning with Markovian Data	Tan-Khiem Huynh
40 Backward Conformal Prediction	Etienne Gauthier
41 Convergence of the Gradient Flow for Shallow ReLU Networks on Weakly Interacting Data	Léo Dana
42 Algorithm- and Data-Dependent Generalization Bounds for Diffusion Models	Benjamin Dupuis, Dario Shiratiyan, Alain Oliviero-Durmus

## Wednesday 26/11

3pm - 5:30pm

1 [Valid Selection among Conformal Sets	Mahmoud Hegazy
2 Learning long range dependencies through time reversal symmetry breaking	Maxence Ernoult
3 A Markov Decision Process for Variable Selection in Branch & Bound	Paul Strang
4 A Theoretical Framework for Grokking: Interpolation followed by Riemannian Norm Minimisation	Scott Pesme, Etienne Boursier
5 Assessing the quality of denoising diffusion models in Wasserstein distance: noisy score and optimal bounds	Vahan Arsenyan, Elen Vardanyan
6 CLIPPTA: Robust Contrastive Vision-Language Test-Time Adaptation	Marc Lafon
7 Connecting Jensen–Shannon and Kullback–Leibler Divergences: A New Bound for Representation Learning	Reuben Dorent
8 Curl Descent : Non-Gradient Learning Dynamics with Sign-Diverse Plasticity	Hugo Ninou
9 Decomposing stimulus-specific sensory neural information via diffusion models	Simone Azeoglio, Steeve Laquaitaine
10 Decreasing Entropic Regularization Averaged Gradient for Semi-Discrete Optimal Transport	Ferdinand Genans
11 DINO-Foresight: Looking into the Future with DINO	Efstathios Karypidis
12 Enhancing Optimizer Stability: Momentum Adaptation of The NGN Step-size	Rustum Islamov
13 ENMA: Tokenwise Autoregression for Continuous Neural PDE Operators	Lise Le Boudec
14 Fine-Tuning Discrete Diffusion Models with Policy Gradient Methods	Oussama Zekri
15 Learning Latent Variable Models via Jarzynski-adjusted Langevin Algorithm	Davide Carbone
16 Learning single index models via harmonic analysis	Hugo Koubbi
17 Local Curvature Descent: Squeezing More Curvature out of Standard and Polyak Gradient Descent	Simone Maria Giancola
18 MAP Estimation with Denoisers: Convergence Rates and Guarantees	Scott Pesme
19 Multi-Modal Attention Framework for Underwater Bioacoustic Denoising and Recognition	Amine Razig

20	On Logic-based Self-Explainable Graph Neural Networks	Alessio Rago, Marc Plantevit, Céline Robardet
21	Optimal Regret of Bandits under Differential Privacy	Achraf Azize
22	Enhancing Graph Classification Robustness with Singular Pooling.	Yassine Abbahaddou
23	A Geometry-Aware Metric for Mode Collapse in Multivariate Time Series Generative Models.	Yassine Abbahaddou
24	Relaxing partition admissibility in Cluster-DAGs: a causal calculus with arbitrary variable clustering	Clément Yvernes
25	Riemannian Flow Matching for Brain Connectivity Matrices via Pullback Geometry	Antoine Collas, Ce Ju
26	RNNs perform task computations by warping neural representations	Arthur Pellegrino
27	Scalable Feature Learning on Huge Knowledge Graphs for Downstream Machine Learning	Félix Lefebvre, Gaël Varoquaux
28	Searching Latent Program Spaces	Clément Bonnet
29	Sparse Autoencoders Learn Monosemantic Features in Vision-Language Models	Quentin Bouniot
30	Stochastic Optimization in Semi-Discrete Optimal Transport: Convergence Analysis and Minimax Rate	Ferdinand Genans
31	Template-Guided 3D Molecular Pose Generation via Flow Matching and Differentiable Optimization	Noémie Bergues, Arthur Carre
32	The quest for the GRAph Level autoEncoder (GRALE)	Paul Krzakala, Florence Dalche, Rémi Flamary
33	Toward Interpretable Evaluation Measures for Time Series Segmentation	Félix Chavelli
34	Tree Ensemble Explainability through the Hoeffding Functional Decomposition and TreeHFD Algorithm	Clément Bénard
35	Variational Inference with mixture of isotropic Gaussian	Marguerite Petit-Talamon
36	Wasserstein convergence of critically damped Langevin diffusions	Antonio Ocello, Stanislas Strasman
37	Thresholds for sensitive optimality and Blackwell optimality in stochastic games	Julien Grand-Crément
38	Continuous Simplicial Neural Networks	Jhony H. Giraldo
39	Solar-GECO: Perovskite Solar Cell Property Prediction with Geometric-Aware Co-Attention	Guangjie Li
40	Identifiability of Deep Polynomial Neural Networks	Jayneel Parekh
41	Learning to Steer: Input-dependent Steering for Multimodal LLMs	Konstantin Usevich
42	Tile-level Histopathology image Understanding benchmark	Sofiène Boutaj, Pierre Marza, Stergios Christodoulidis, Maria Vakalopoulou
43	Unsupervised Learning for Optimal Transport plan prediction between unbalanced graphs	Sonia Mazelet, Rémi Flamary
44	Continuous Simplicial Neural Networks	Aref Einizade