AAAI-20/IAAI-20/EAAI-20 Technical Program

(The AAAI Workshop, Tutorial, Doctoral Consortium, and Undergraduate Consortium Programs will be held on Friday and Saturday, February 7-8.)

AAAI Oral Presentation	
AAAI Poster Spotlight Presentation	
AAAI	
IAAI	
AI for Social Impact Special Track	
AI in Practice	
Diversity and Inclusion	
EAAI	

Friday, February 7

2:00 - 5:00pm	
Diversity and Inclusion	**Friday, 2:00-5:00, Concourse E**
Workshop on Artificial Intelligence – Diversity, Belonging, Equity, and Inclusion (AIDBEI): Mentoring Students from Underserved Populations	William Hsu

Saturday, February 8

9:00 - 2:15pm		
	Diversity and Inclusion	**Saturday, 9-2:15, Nassau East**
	AI – Its Purpose & Power. Humans – Our Purpose & Power	Tara Chklovski
8:55 - 9:05am		
	EAAI	**Saturday, 8:55-9:05, Bryant**
	EAAI-20 Welcome	Nate Derbinsky and Lisa Torrey
9:05 - 9:55am		
	EAAI-20 Outstanding Educator Award Lecture	**Saturday, 9:05-9:55, Bryant**
	#AIForAll: A 64-year Perspective on AI, Computing, Inclusion, and Diversity	Marie desJardins, Simmons University
9:55 - 10:30am		
	EAAI-20 Blue Sky Ideas	**Saturday, 9:55 - 10:30, Bryant**
	Blue Sky Idea Talks (5 minutes each)	Ryan Blake Jackson, Jiacheng Liu, Rajiv Ratn Shah, Adam Smith, Paul Taele, Qian Yang, Lisa Zhang
10:50am - 11:30am		
	EAAI-20 Main Track	**Saturday, 10:50-11:30, Bryant**
	EAAI39: Teaching Undergraduate Artificial Intelligence Classes: An Experiment with an Attendance Requirement	Sven Koenig, Tansel Uras, Liron Cohen
	EAAI20: Teaching Constraint Programming Using Fable-Based Learning	Mavis Chan, Cecilia Chun, Holly Fung, Jimmy H.M. Lee, Peter J. Stuckey
11:30am - 12:30pm		
	EAAI-20 AI for Education Track	**Saturday, 11:30-12:30, Bryant**
	EAAI14: Geospatial Clustering for Balanced and Proximal Schools	Subhodip Biswas, Fanglan Chen, Andreea Sistrunk, Sathappan Muthiah, Zhiqian Chen, Nathan Self, Chang-Tien Lu, Naren Ramakrishnan
	EAAI25: Multiple Data Augmentation Strategies for Improving Performance on Automatic Short Answer Scoring	Jiaqi Lun, Jia Zhu, Yong Tang, Min Yang
	EAAI23: Using AI Techniques in a Serious Game for Socio-Moral Reasoning Development	Ange Tato, Roger Nkambou, Aude Dufresne
2:00 - 3:00pm		
	EAAI-20 Main Track	**Saturday, 2:00-3:00, Bryant**
	EAAI7: An Experimental Ethics Approach to Robot Ethics Education	Tom Williams, Qin Zhu, Daniel Grollman
	EAAI17: Making High-Performance Robots Safe and Easy to Use for an Introduction to Computing	Joseph Spitzer, Joydeep Biswas, Arjun Guha
	EAAI3: Teaching Game AI as an Undergraduate Course in Computational Media	Adam M. Smith, Daniel Shapiro
3:00 - 3:30pm		
	EAAI-20 Model AI Assignmnts	**Saturday, 3:00-3:30, Bryant**
MAIA	Exploring Unfairness and Bias in Data	*Jonathan Chen, Tom Larsen, Marion Neumann*
MAIA	A Module for Introducing Ethics in AI: Detecting Bias in Language Models	*Ameet Soni, Krista Thomason*
3:50 - 4:35pm		
	EAAI-20 Model AI Assignmnts	**Saturday, 3:50-4:35, Bryant**
MAIA	Predicting and Preventing Deaths in the ICU: Designing and Analyzing an AI System	Stephen Keeley, Michael Guerzhoy
MAIA	Gesture Recognition using Convolutional Neural Networks	Lisa Zhang, Bibin Sebastian
MAIA	Wasserstein GAN - Depth First Learning	Cinjon Resnick, Avital Oliver, Surya Bhupatiraju, Kumar Agrawal, James Allingham
6:00 - 7:30pm		
	AAAI	**Saturday, 6:00-7:30, Grand Ballroom**
	AAAI-20 Opening Reception	

8:00 - 8:30am		
	AAAI	**Sunday, 8:00-8:30, Grand Ballroom**
	Welcome and Opening Remarks, AAAI Organizational Awards/Honors	
8:30 - 9:20am		
	AAAI	**Sunday, 8:30-9:20, Grand Ballroom**
	AAAI Presidential Address	**Yolanda Gil, USC Information Sciences Institute**
9:30-10:45am		
	Tech Session 1: NLP: Entity Recognition and Linking	**Sunday, 9:30-10:45, Trianon**
Oral	1075: Knowledge-Graph Augmented Word Representations for Named Entity Recognition	Qizhen He, Liang Wu, Yida Yin, Heming Cai
Oral	1834: Leveraging Multi-Token Entities in Document-Level Named Entity Recognition	Anwen Hu, Zhicheng Dou, Jian-Yun Nie, Ji-Rong Wen
Oral	7979: End-to-End Bootstrapping Neural Network for Entity Set Expansion	Lingyong Yan, Xianpei Han, Ben He, Le Sun
Poster	2531: Fine-Grained Named Entity Typing over Distantly Supervised Data Based on Refined Representations	Muhammad Asif Ali, Yifang Sun, Bing Li, Wei Wang
Poster	3325: Boundary Enhanced Neural Span Classification for Nested Named Entity Recognition	Chuanqi Tan, Wei Qiu, Mosha Chen, Rui Wang, Fei Huang
Poster	4420: LATTE: Latent Type Modeling for Biomedical Entity Linking	Ming Zhu, Busra Celikkaya, Parminder Bhatia, Chandan K. Reddy
Poster	5015: Enhanced Meta-Learning for Cross-Lingual Named Entity Recognition with Minimal Resources	Qianhui Wu, Zijia Lin, Guoxin Wang, Hui Chen, Börje F. Karlsson, Biqing Huang, Chin-Yew Lin
Poster	5535: A Recurrent Model for Collective Entity Linking with Adaptive Features	Xiaoling Zhou, Yukai Miao, Wei Wang, Jianbin Qin
Poster	6792: Why Attention? Analyze BiLSTM Deficiency and Its Remedies in the Case of NER	Peng-Hsuan Li, Tsu-Jui Fu, Wei-Yun Ma
Poster	9947: Recursively Binary Modification Model for Nested Named Entity Recognition	Bing Li, Shifeng Liu, Yifang Sun, Wei Wang, Xiang Zhao
	Tech Session 2: Application: Document Analysis and Understanding	**Sunday, 9:30-10:45, Beekman**
Oral	578: Real-Time Scene Text Detection with Differentiable Binarization	Minghui Liao, Zhaoyi Wan, Cong Yao, Kai Chen, Xiang Bai
Oral	893: Text Perceptron: Towards End-to-End Arbitrary-Shaped Text Spotting	Liang Qiao, Sanli Tang, Zhanzhan Cheng, Yunlu Xu, Yi Niu, Shiliang Pu, Fei Wu
Poster	1130: TextScanner: Reading Characters in Order for Robust Scene Text Recognition	Zhaoyi Wan, Minghang He, Haoran Chen, Xiang Bai, Cong Yao
Poster	1178: Channel Interaction Networks for Fine-Grained Image Categorization	Yu Gao, Xintong Han, Xun Wang, Weilin Huang, Matthew R. Scott
Poster	1385: Pixel-Aware Deep Function-Mixture Network for Spectral Super-Resolution	Lei Zhang, Zhiqiang Lang, Peng Wang, Wei Wei, Shengcai Liao, Ling Shao, Yanning Zhang
Poster	7838: GTC: Guided Training of CTC Towards Efficient and Accurate Scene Text Recognition	Wenyang Hu, Xiaocong Cai, Jun Hou, Shuai Yi, Zhiping Lin
Poster	7932: SynSig2Vec: Learning Representations from Synthetic Dynamic Signatures for Real-World Verification	Songxuan Lai, Lianwen Jin, Luojun Lin, Yecheng Zhu, Huiyun Mao
Poster	8057: GAN-Based Unpaired Chinese Character Image Translation via Skeleton Transformation and Stroke Rendering	Yiming Gao, Jiangqin Wu
Poster	10159: All You Need Is Boundary: Toward Arbitrary-Shaped Text Spotting	Hao Wang, Pu Lu, Hui Zhang, Mingkun Yang, Xiang Bai, Yongchao Xu, Mengchao He, Yongpan Wang, Wenyu Liu
	Tech Session 3: NLP: Machine Translation	**Sunday, 9:30-10:45, Sutton North**
Oral	4613: Explicit Sentence Compression for Neural Machine Translation	Zuchao Li, Rui Wang, Kehai Chen, Masao Utiyama, Eiichiro Sumita, Zhuosheng Zhang, Hai Zhao
Oral	7453: Generating Diverse Translation by Manipulating Multi-Head Attention	Zewei Sun, Shujian Huang, Hao-Ran Wei, Xin-yu Dai, Jiajun Chen
Poster	1603: An Iterative Polishing Framework Based on Quality Aware Masked Language Model for Chinese Poetry Generation	Liming Deng, Jie Wang, Hangming Liang, Hui Chen, Zhiqiang Xie, Bojin Zhuang, Shaojun Wang, Jing Xiao
Poster	1623: Neural Machine Translation with Byte-Level Subwords	Changhan Wang, Kyunghyun Cho, Jiatao Gu
Poster	2087: Parsing as Pretraining	David Vilares, Michalina Strzyz, Anders Søgaard, Carlos Gómez-Rodríguez
Poster	2096: Weakly-Supervised Opinion Summarization by Leveraging External Information	Chao Zhao, Snigdha Chaturvedi
Poster	3632: IntroVNMT: An Introspective Model for Variational Neural Machine Translation	Xin Sheng, Linli Xu, Junliang Guo, Jingchang Liu, Ruoyu Zhao, Yinlong Xu
Poster	3736: Fact-Aware Sentence Split and Rephrase with Permutation Invariant Training	Yinuo Guo, Tao Ge, Furu Wei
Poster	3770: Latent-Variable Non-Autoregressive Neural Machine Translation with Deterministic Inference Using a Delta Posterior	Raphael Shu, Jason Lee, Hideki Nakayama, Kyunghyun Cho
Poster	4304: Improving Context-Aware Neural Machine Translation Using Self-Attentive Sentence Embedding	Hyeongu Yun, Yongkeun Hwang, Kyomin Jung
Poster	4350: Controlling Neural Machine Translation Formality with Synthetic Supervision	Xing Niu, Marine Carpuat

Poster	6280: Q-BERT: Hessian Based Ultra Low Precision Quantization of BERT	Sheng Shen, Zhen Dong, Jiayu Ye, Linjian Ma, Zhewei Yao, Amir Gholami, Michael W. Mahoney, Kurt Keutzer
Poster	6564: Automatic Generation of Headlines for Online Math Questions	Ke Yuan, Dafang He, Zhuoren Jiang, Liangcai Gao, Zhi Tang, C. Lee Giles
Poster	7419: Syntactically Look-Ahead Attention Network for Sentence Compression	Hidetaka Kamigaito, Manabu Okumura
Poster	7695: Towards Making the Most of BERT in Neural Machine Translation	Jiacheng Yang, Mingxuan Wang, Hao Zhou, Chengqi Zhao, Weinan Zhang, Yong Yu, Lei Li
Poster	7898: Two-Level Transformer and Auxiliary Coherence Modeling for Improved Text Segmentation	Goran Glavaš, Swapna Somasundaran
Poster	8664: A Comparison of Architectures and Pretraining Methods for Contextualized Multilingual Word Embeddings	Niels van der Heijden, Samira Abnar, Ekaterina Shutova
Poster	9360: Sequence Generation with Optimal-Transport-Enhanced Reinforcement Learning	Liqun Chen, Ke Bai, Chenyang Tao, Yizhe Zhang, Guoyin Wang, Wenlin Wang, Ricardo Henao, Lawrence Carin
Poster	9702: Monolingual Transfer Learning via Bilingual Translators for Style-Sensitive Paraphrase Generation	Tomoyuki Kajiwara, Biwa Miura, Yuki Arase
IAAI-20: AI in Health		**Sunday, 9:30-10:45, Sutton Center**
	IAAI148: Multi-Task Learning for Diabetic Retinopathy Grading and Lesion Segmentation	Alex Foo, Wynne Hsu, Mong Li Lee, Gilbert Lim, Tien Yin Wong
	IAAI151: A Natural Language Processing System for Extracting Evidence of Drug Repurposing from Scientific Publications	Shivashankar Subramanian, Ioana Baldini, Sushma Ravichandran, Dmitriy A. Katz-Rogozhnikov, Karthikeyan Natesan Ramamurthy, Prasanna Sattigeri, Kush R. Varshney, Annmarie Wang, Pradeep Mangalath, Laura B. Kleiman
	IAAI189: Improving ECG Classification Using Generative Adversarial Networks	Tomer Golany, Gal Lavee, Shai Tejman Yarden, Kira Radinsky
	IAAI191: Machine-Learning-Based Functional Microcirculation Analysis	Ossama Mahmoud, GH Janssen, Mahmoud R. El-Sakka
	IAAI135: Combining Real-Time Segmentation and Classification of Rehabilitation Exercises with LSTM Networks and Pointwise Boosting	Antonio Bevilacqua, Giovanni Ciampi, Rob Argent, Brian Caulfield, Tahar Kechadi
AI for Social Impact Special Track: Invited Talks 1		**Sunday, 9:30-10:45, Sutton South**
	Contextualizing AI for Social Good	Ernest Mwebaze (Makerere University, Uganda)
	Bridging Silos: An Example of Global Health and Machine Learning in Sub-Saharan Africa	Sekou Remy (IBM, USA)
2020 Classic Paper Award Talk		
	QUICKXPLAIN: Preferred Explanations and Relaxations for Over-Constrained Problems	Ulrich Junker
Tech Session 4: Vision: 3D		**Sunday, 9:30-10:45, Gramercy**
Oral	345: TANet: Robust 3D Object Detection from Point Clouds with Triple Attention	Zhe Liu, Xin Zhao, Tengteng Huang, Ruolan Hu, Yu Zhou, Xiang Bai
Oral	4733: Task-Aware Monocular Depth Estimation for 3D Object Detection	Xinlong Wang, Wei Yin, Tao Kong, Yuning Jiang, Lei Li, Chunhua Shen
Poster	171: 3D Crowd Counting via Multi-View Fusion with 3D Gaussian Kernels	Qi Zhang, Antoni B. Chan
Poster	206: PsyNet: Self-Supervised Approach to Object Localization using Point Symmetric Transformation	Kyungjune Baek, Minhyun Lee, Hyunjung Shim
Poster	434: RDSNet: A New Deep Architecture for Reciprocal Object Detection and Instance Segmentation	Shaoru Wang, Yongchao Gong, Junliang Xing, Lichao Huang, Chang Huang, Weiming Hu
Poster	825: FDN: Feature Decoupling Network for Head Pose Estimation	Hao Zhang, Mengmeng Wang, Yong Liu, Yi Yuan
Poster	1551: Learning End-To-End Scene Flow by Distilling Single Tasks Knowledge	Filippo Aleotti, Matteo Poggi, Fabio Tosi, Stefano Mattoccia
Poster	1710: Adaptive Two-Dimensional Embedded Image Clustering	Zhihui Li, Lina Yao, Sen Wang, Salil Kanhere, Xue Li, Huaxiang Zhang
Poster	2537: Spherical Criteria for Fast and Accurate 360° Object Detection	Pengyu Zhao, Ansheng You, Yuanxing Zhang, Jiaying Liu, Kaigui Bian, Yunhai Tong
Poster	2559: EEMEFN: Low-Light Image Enhancement via Edge-Enhanced Multi-Exposure Fusion Network	Minfeng Zhu, Pingbo Pan, Wei Chen, Yi Yang
Poster	3324: PI-RCNN: An Efficient Multi-Sensor 3D Object Detector with Point-Based Attentive Cont-Conv Fusion Module	Liang Xie, Chao Xiang, Zhengxu Yu, Guodong Xu, Zheng Yang, Deng Cai, Xiaofei He
Poster	4022: DGCN: Dynamic Graph Convolutional Network for Efficient Multi-Person Pose Estimation	Zhongwei Qiu, Kai Qiu, Jianlong Fu, Dongmei Fu
Poster	4484: CSPN++: Learning Context and Resource Aware Convolutional Spatial Propagation Networks for Depth Completion	Xinjing Cheng, Peng Wang, Chenye Guan, Ruigang Yang
Poster	4601: Pyramid Constrained Self-Attention Network for Fast Video Salient Object Detection	Yuchao Gu, Lijuan Wang, Ziqin Wang, Yun Liu, Ming-Ming Cheng, Shao-Ping Lu
Poster	4941: Synthetic Depth Transfer for Monocular 3D Object Pose Estimation in the Wild	Yueying Kao, Weiming Li, Qiang Wang, Zhouchen Lin, Wooshik Kim, Sunghoon Hong
Poster	7883: Monocular 3D Object Detection with Decoupled Structured Polygon Estimation and Height-Guided Depth Estimation	Yingjie Cai, Buyu Li, Zeyu Jiao, Hongsheng Li, Xingyu Zeng, Xiaogang Wang
Poster	10137: Discriminative and Robust Online Learning for Siamese Visual Tracking	Jinghao Zhou, Peng Wang, Haoyang Sun
Poster	10336: Multimodal Interaction-Aware Trajectory Prediction in Crowded Space	Xiaodan Shi, Xiaowei Shao, Zipei Fan, Renhe Jiang, Haoran Zhang, Zhiling Guo, Guangming Wu, Wei Yuan, Ryosuke Shibasaki

	Tech Session 5: ML: Online Learning	**Sunday, 9:30-10:45, Murray Hill**
Oral	3167: Online Metric Learning for Multi-Label Classification	Xiuwen Gong, Dong Yuan, Wei Bao
Oral	3433: Online Active Learning of Reject Option Classifiers	Kulin Shah, Naresh Manwani
Oral	5564: AUC Optimization with a Reject Option	Song-Qing Shen, Bin-Bin Yang, Wei Gao
Poster	1309: Revisiting Online Quantum State Learning	Feidiao Yang, Jiaqing Jiang, Jialin Zhang, Xiaoming Sun
Poster	1687: Stochastic Online Learning with Probabilistic Graph Feedback	Shuai Li, Wei Chen, Zheng Wen, Kwong-Sak Leung
Poster	2016: Projective Quadratic Regression for Online Learning	Wenye Ma
Poster	4398: Adaptive Double-Exploration Tradeoff for Outlier Detection	Xiaojin Zhang, Honglei Zhuang, Shengyu Zhang, Yuan Zhou
Poster	5771: On Adaptivity in Information-Constrained Online Learning	Siddharth Mitra, Aditya Gopalan
Poster	9152: Trading-Off Static and Dynamic Regret in Online Least-Squares and Beyond	Jianjun Yuan, Andrew Lamperski
Poster	9876: Contextual-Bandit Based Personalized Recommendation with Time-Varying User Interests	Xiao Xu, Fang Dong, Yanghua Li, Shaojian He, Xin Li
	Tech Session 6: Vision: Vision + Language	**Sunday, 9:30-10:45, Nassau**
Oral	131: Reinforcing an Image Caption Generator Using Off-Line Human Feedback	Paul Hongsuck Seo, Piyush Sharma, Tomer Levinboim, Bohyung Han, Radu Soricut
Oral	2736: Rethinking the Bottom-Up Framework for Query-Based Video Localization	Long Chen, Chujie Lu, Siliang Tang, Jun Xiao, Dong Zhang, Chilie Tan, Xiaolin Li
Oral	7561: An Efficient Framework for Dense Video Captioning	Maitreya Suin, A.N. Rajagopalan
Poster	682: Tree-Structured Policy Based Progressive Reinforcement Learning for Temporally Language Grounding in Video	Jie Wu, Guanbin Li, Si Liu, Liang Lin
Poster	1402: MemCap: Memorizing Style Knowledge for Image Captioning	Wentian Zhao, Xinxiao Wu, Xiaoxun Zhang
Poster	1511: Joint Commonsense and Relation Reasoning for Image and Video Captioning	Jingyi Hou, Xinxiao Wu, Xiaoxun Zhang, Yayun Qi, Yunde Jia, Jiebo Luo
Poster	2085: Weakly-Supervised Video Moment Retrieval via Semantic Completion Network	Zhijie Lin, Zhou Zhao, Zhu Zhang, Qi Wang, Huasheng Liu
Poster	2541: HAL: Improved Text-Image Matching by Mitigating Visual Semantic Hubs	Fangyu Liu, Rongtian Ye, Xun Wang, Shuaipeng Li
Poster	2697: Hide-and-Tell: Learning to Bridge Photo Streams for Visual Storytelling	Yunjae Jung, Dahun Kim, Sanghyun Woo, Kyungsu Kim, Sungjin Kim, In So Kweon
Poster	3148: Show, Recall, and Tell: Image Captioning with Recall Mechanism	Li Wang, Zechen Bai, Yonghua Zhang, Hongtao Lu
	Tech Session 7: ML: Interpretability	**Sunday, 9:30-10:45, Concourse A**
Oral	4997: A Constraint-Based Approach to Learning and Explanation	Gabriele Ciravegna, Francesco Giannini, Stefano Melacci, Marco Maggini, Marco Gori
Oral	5518: Explainable Reinforcement Learning Through a Causal Lens	Prashan Madumal, Tim Miller, Liz Sonenberg, Frank Vetere
Oral	8171: Explainable Data Decompositions	Sebastian Dalleiger, Jilles Vreeken
Poster	1830: Systematically Exploring Associations among Multivariate Data	Lifeng Zhang
Poster	2158: Towards Interpretation of Pairwise Learning	Mengdi Huai, Di Wang, Chenglin Miao, Aidong Zhang
Poster	4029: Visualizing Deep Networks by Optimizing with Integrated Gradients	Zhongang Qi, Saeed Khorram, Li Fuxin
Poster	6094: Efficient Algorithms for Generating Provably Near-Optimal Cluster Descriptors for Explainability	Prathyush Sambaturu, Aparna Gupta, Ian Davidson, S. S. Ravi, Anil Vullikanti, Andrew Warren
Poster	7101: Iteratively Questioning and Answering for Interpretable Legal Judgment Prediction	Haoxi Zhong, Yuzhong Wang, Cunchao Tu, Tianyang Zhang, Zhiyuan Liu, Maosong Sun
Poster	8794: Sanity Checks for Saliency Metrics	Richard Tomsett, Dan Harborne, Supriyo Chakraborty, Prudhvi Gurram, Alun Preece
Poster	9085: Justification-Based Reliability in Machine Learning	Nurali Virani, Naresh Iyer, Zhaoyuan Yang
	Tech Session 8: Planning and Scheduling	**Sunday, 9:30-10:45, Gibson**
Oral	647: Information Shaping for Enhanced Goal Recognition of Partially-Informed Agents	Sarah Keren, Haifeng Xu, Kofi Kwapong, David Parkes, Barbara Grosz
Oral	1030: Computing Superior Counter-Examples for Conformant Planning	Xiaodi Zhang, Alban Grastien, Enrico Scala
Oral	5844: Optimizing Reachability Sets in Temporal Graphs by Delaying	Argyrios Deligkas, Igor Potapov
Poster	2111: POP ≡ POCL, right? Complexity Results for Partial Order (Causal Link) Makespan Minimization	Pascal Bercher, Conny Olz
Poster	4262: On the Problem of Covering a 3-D Terrain	Eduard Eiben, Isuru S. Godage, Iyad Kanj, Ge Xia
	Tech Session 9: Constraint Satisfaction and Optimization	**Sunday, 9:30-10:45, Clinton**
Oral	690: A MaxSAT-Based Framework for Group Testing	Lorenzo Ciampiconi, Bishwamittra Ghosh, Jonathan Scarlett, Kuldeep S Meel
Oral	3769: Modelling and Solving Online Optimisation Problems	Alexander Ek, Maria Garcia de la Banda, Andreas Schutt, Peter J. Stuckey, Guido Tack
Oral	8517: Probabilistic Inference for Predicate Constraint Satisfaction	Yuki Satake, Hiroshi Unno, Hinata Yanagi
Poster	1758: Learning to Optimize Computational Resources: Frugal Training with Generalization Guarantees	Maria-Florina Balcan, Tuomas Sandholm, Ellen Vitercik
Poster	7478: Parallel AND/OR Search for Marginal MAP	Radu Marinescu, Akihiro Kishimoto, Adi Botea
	Tech Session 10: Logic and KR: Inference and Reasoning	**Sunday, 9:30-10:45, Madison**
Oral	572: Temporal Logics Over Finite Traces with Uncertainty	Fabrizio M. Maggi, Marco Montali, Rafael Peñaloza
Oral	5571: ElGolog: A High-Level Programming Language with Memory of the Execution History	Giuseppe De Giacomo, Yves Lespérance, Eugenia Ternovska

Poster	5539: Model Checking Temporal Epistemic Logic under Bounded Recall	Francesco Belardinelli, Alessio Lomuscio, Emily Yu
Poster	9228: Probabilistic Reasoning across the Causal Hierarchy	Duligur Ibeling, Thomas Icard
	Tech Session 11: Social Choice and Voting	**Sunday, 9:30-10:45, Morgan**
Oral	159: Comparing Election Methods Where Each Voter Ranks Only Few Candidates	Matthias Bentert, Piotr Skowron
Oral	4253: Election Control in Social Networks via Edge Addition or Removal	Matteo Castiglioni, Diodato Ferraioli, Nicola Gatti
Oral	5306: Designing Committees for Mitigating Biases	Michal Feldman, Yishay Mansour, Noam Nisan, Sigal Oren, Moshe Tennenholtz
Poster	1140: Iterative Delegations in Liquid Democracy with Restricted Preferences	Bruno Escoffier, Hugo Gilbert, Adèle Pass-Lanneau
Poster	3445: Persuading Voters: It's Easy to Whisper, It's Hard to Speak Loud	Matteo Castiglioni, Andrea Celli, Nicola Gatti
Poster	8279: Manipulating Districts to Win Elections: Fine-Grained Complexity	Eduard Eiben, Fedor V. Fomin, Fahad Paholan, Kirill Simonov
	EAAI-20 Welcome, Invited Talk, and Poster Previews	**Sunday, 9:30-10:45, Bryant**
	Welcome	Nate Debinsky and Lisa Torry
	EAAI-20 Invited Talk: On Contemporaneous Computin Education: ML for K-12	Ben Shapiro and Abigail Zimmerman-Niefield
	Poster Previews *(10:30-10:45)*	
	EAAI62: Using Cloud Tools for Literate Programming to Redesign an AI Course for Non-Traditional College Students	Maria Hwang, Calvin Williamson
	EAAI13: Coding in the Liberal Arts through Natural Language Processing and Machine Learning.	Ursula Wolz, Jennifer Wilson
	EAAI42: Minecraft as a Platform for Project-Based Learning in AI	Sameer Singh

11:15 - 12:30am

	Tech Session 1: NLP: Dialogue	**Sunday, 11:15 - 12:30, Trianon**
Oral	8918: Hierarchical Reinforcement Learning for Open-Domain Dialog	Abdelrhman Saleh, Natasha Jaques, Asma Ghandeharioun, Judy Hanwen Shen, Rosalind Picard
Oral	10030: Schema-Guided Multi-Domain Dialogue State Tracking with Graph Attention Neural Networks	Lu Chen, Boer Lv, Chi Wang, Su Zhu, Bowen Tan, Kai Yu
Oral	10052: Towards Scalable Multi-Domain Conversational Agents:The Schema-Guided Dialogue Dataset	Abhinav Rastogi, Xiaoxue Zang, Srinivas Sunkara, Raghav Gupta, Pranav Khaitan
Poster	3209: Dynamic Reward-Based Dueling Deep Dyna-Q: Robust Policy Learning in Noisy Environments	Yangyang Zhao, Zhenyu Wang, Kai Yin, Rui Zhang, Zhenhua Huang, Pei Wang
Poster	3369: MTSS: Learn from Multiple Domain Teachers and Become a Multi-Domain Dialogue Expert	Shuke Peng, Feng Ji, Zehao Lin, Shaobo Cui, Haiqing Chen, Yin Zhang
Poster	6894: Entrainment2Vec: Embedding Entrainment for Multi-Party Dialogues	Zahra Rahimi, Diane Litman
Poster	7143: Filling Conversation Ellipsis for Better Social Dialog Understanding	Xiyuan Zhang, Chengxi Li, Dian Yu, Samuel Davidson, Zhou Yu
Poster	7626: Task-Oriented Dialog Systems That Consider Multiple Appropriate Responses under the Same Context	Yichi Zhang, Zhijian Ou, Zhou Yu
Poster	8911: MA-DST: Multi-Attention-Based Scalable Dialog State Tracking	Adarsh Kumar, Peter Ku, Anuj Kumar Goyal, Angeliki Metallinou, Dilek Hakkani-tur
Poster	10152: MALA: Cross-Domain Dialogue Generation with Action Learning	Xinting Huang, Jianzhong Qi, Yu Sun, Rui Zhang
	Tech Session 2: Application: Web Search, Ranking and Recommendation	**Sunday, 11:15 - 12:30, Beekman**
Oral	1933: Intention Nets: Psychology-Inspired User Choice Behavior Modeling for Next-Basket Prediction	Shoujin Wang, Liang Hu, Yan Wang, Quan Z. Sheng, Mehmet Orgun, Longbing Cao
Oral	5099: Deep Match to Rank Model for Personalized Click-Through Rate Prediction	Ze Lyu, Yu Dong, Chengfu Huo, Weijun Ren
Oral	10287: Stochastically Robust Personalized Ranking for LSH Recommendation Retrieval	Dung D. Le, Hady W. Lauw
Poster	1650: Adaptive Factorization Network: Learning Adaptive-Order Feature Interactions	Weiyu Cheng, Yanyan Shen, Linpeng Huang
Poster	2119: Where to Go Next: Modeling Long- and Short-Term User Preferences for Point-of-Interest Recommendation	Ke Sun, Tieyun Qian, Tong Chen, Yile Liang, Quoc Viet Hung Nguyen, Hongzhi Yin
Poster	3241: An Attentional Recurrent Neural Network for Personalized Next Location Recommendation	Qing Guo, Zhu Sun, Jie Zhang, Yin-Leng Theng
Poster	3426: Memory Augmented Graph Neural Networks for Sequential Recommendation	Chen Ma, Liheng Ma, Yingxue Zhang, Jianing Sun, Xue Liu, Mark Coates
Poster	3528: Leveraging Title-Abstract Attentive Semantics for Paper Recommendation	Guibing Guo, Bowei Chen, Xiaoyan Zhang, Zhirong Liu, Zhenhua Dong, Xiuqiang He
Poster	4434: Diversified Interactive Recommendation with Implicit Feedback	Yong Liu, Yingtai Xiao, Qiong Wu, Chunyan Miao, Juyong Zhang, Binqiang Zhao, Haihong Tang
Poster	5094: Sequential Recommendation with Relation-Aware Kernelized Self-Attention	Mingi Ji, Weonyoung Joo, Kyungwoo Song, Yoon-Yeong Kim, Il-Chul Moon
	Tech Session 3: NLP: Learning for NLP	**Sunday, 11:15 - 12:30, Sutton North**

Oral	3353: Learning Sparse Sharing Architectures for Multiple Tasks	Tianxiang Sun, Yunfan Shao, Xiaonan Li, Pengfei Liu, Hang Yan, Xipeng Qiu, Xuanjing Huang
Oral	4128: Dynamic Embedding on Textual Networks via a Gaussian Process	Pengyu Cheng, Yitong Li, Xinyuan Zhang, Liqun Chen, David Carlson, Lawrence Carin
Oral	7014: Is BERT Really Robust? A Strong Baseline for Natural Language Attack on Text Classification and Entailment	Di Jin, Zhijing Jin, Joey Tianyi Zhou, Pete Szolovits
Poster	3919: Learning Multi-Level Dependencies for Robust Word Recognition	Zhiwei Wang, Hui Liu, Jiliang Tang, Songfan Yang, Gale Yan Huang, Zitao Liu
Poster	4020: ParamE: Regarding Neural Network Parameters as Relation Embeddings for Knowledge Graph Completion	Feihu Che, Dawei Zhang, Jianhua Tao, Mingyue Niu, Bocheng Zhao
Poster	5587: Working Memory-Driven Neural Networks with a Novel Knowledge Enhancement Paradigm for Implicit Discourse Relation Recognition	Fengyu Guo, Ruifang He, Jianwu Dang, Jian Wang
Poster	6253: Weakly Supervised POS Taggers Perform Poorly on *Truly* Low-Resource Languages	Katharina Kann, Ophélie Lacroix, Anders Søgaard
Poster	7400: Two Birds with One Stone: Investigating Invertible Neural Networks for Inverse Problems in Morphology	Gözde Gül Şahin, Iryna Gurevych
Poster	8219: Knowledge Distillation from Internal Representations	Gustavo Aguilar, Yuan Ling, Yu Zhang, Benjamin Yao, Xing Fan, Chenlei Guo
Poster	8406: Semi-Supervised Learning on Meta Structure: Multi-Task Tagging and Parsing in Low-Resource Scenarios	KyungTae Lim, Jay Yoon Lee, Jaime Carbonell, Thierry Poibeau
	IAAI-20: AI in Customer Support and Marketing	**Sunday, 11:15 - 12:30, Sutton Center**
	IAAI113: How Machine Learning Is Improving U.S. Navy Customer Support (Deployed)	Michael Powell, Jamison A. Rotz, Kevin D. O'Malley
	IAAI70: Question Quality Improvement: Deep Question Understanding for Incident Management in Technical Support Domain (Deployed)	Anupama Ray, Csaba Hadhazi, Pooja Aggarwal, Gargi Dasgupta, Amit Paradkar
	IAAI198: Feedback-Based Self-Learning in Large-Scale Conversational AI Agents (Deployed)	Pragaash Ponnusamy, Alireza Roshan Ghias, Chenlei Guo, Ruhi Sarikaya
	IAAI21: Online Evaluation of Audiences for Targeted Advertising via Bandit Experiments	Tong Geng, Xiliang Lin, Harikesh S. Nair
	AI for Social Impact Special Track 1	**Sunday, 11:15 - 12:35, Sutton South**
	AISI248: The Unreasonable Effectiveness of Inverse Reinforcement Learning in Advancing Cancer Research	John Kalantari, Heidi Nelson, Nicholas Chia
	AISI124: The Stanford Acuity Test: A Precise Vision Test Using Bayesian Techniques and a Discovery in Human Visual Response	Chris Piech, Ali Malik, Laura M. Scott, Robert T. Chang, Charles Lin
	AISI166: Guided Weak Supervision for Action Recognition with Scarce Data to Assess Skills of Children with Autism	Prashant Pandey, Prathosh AP, Manu Kohli, Josh Pritchard
	AISI155: Discriminating Cognitive Disequilibrium and Flow in Problem Solving: A Semi-Supervised Approach Using Involuntary Dynamic Behavioral Signals	Mononito Goswami, Lujie Chen, Artur Dubrawski
	AAAI-20 Senior Member Track Session 1	**Sunday, 11:15 - 12:30, Regent**
Summary	SMT373: Generalized Arc Consistency Algorithms for Table Constraints: A Summary of Algorithmic Ideas	Roland H. C. Yap, Wei Xia, Ruiwei Wang
Blue Sky	SMT347: Open-World Learning for Radically Autonomous Agents	Pat Langley
Blue Sky	SMT269 AI for Explaining Decisions in Multi-Agent Environments *(Blue Sky Winner)*	Sarit Kraus, Amos Azaria, Jelena Fiosina, Maike Greve, Noam Hazon, Lutz Kolbe, Tim-Benjamin Lembcke, Jorg P. Muller, Soren Schleibaum, Mark Vollrath
	Tech Session 4: Vision: Synthesis and Generation	**Sunday, 11:15 - 12:30, Gramercy**
Oral	5668: Motion-Based Generator Model: Unsupervised Disentanglement of Appearance, Trackable and Intrackable Motions in Dynamic Patterns	Jianwen Xie, Ruiqi Gao, Zilong Zheng, Song-Chun Zhu, Ying Nian Wu
Oral	6963: Age Progression and Regression with Spatial Attention Modules	Qi Li, Yunfan Liu, Zhenan Sun
Poster	296: Cascading Convolutional Color Constancy	Huanglin Yu, Ke Chen, Kaiqi Wang, Yanlin Qian, Zhaoxiang Zhang, Kui Jia
Poster	525: Leveraging Multi-View Image Sets for Unsupervised Intrinsic Image Decomposition and Highlight Separation	Renjiao Yi, Ping Tan, Stephen Lin
Poster	552: Learning to Deblur Face Images via Sketch Synthesis	Songnan Lin, Jiawei Zhang, Jinshan Pan, Yicun Liu, Yongtian Wang, Jing Chen, Jimmy Ren
Poster	797: Complementary-View Multiple Human Tracking	Ruize Han, Wei Feng, Jiewen Zhao, Zicheng Niu, Yujun Zhang, Liang Wan, Song Wang
Poster	1373: Scale-Wise Convolution for Image Restoration	Yuchen Fan, Jiahui Yu, Ding Liu, Thomas S. Huang
Poster	1515: Coarse-to-Fine Hyper-Prior Modeling for Learned Image Compression	Yueyu Hu, Wenhan Yang, Jiaying Liu
Poster	2271: Video Frame Interpolation via Deformable Separable Convolution	Xianhang Cheng, Zhenzhong Chen
Poster	2362: SSAH: Semi-Supervised Adversarial Deep Hashing with Self-Paced Hard Sample Generation	Sheng Jin, Shangchen Zhou, Yao Liu, Chao Chen, Xiaoshuai Sun, Hongxun Yao, Xian-Sheng Hua
Poster	3008: FusionDN: A Unified Densely Connected Network for Image Fusion	Han Xu, Jiayi Ma, Zhuliang Le, Junjun Jiang, Xiaojie Guo

Poster	4073: Consistent Video Style Transfer via Compound Regularization	Wenjing Wang, Jizheng Xu, Li Zhang, Yue Wang, Jiaying Liu
Poster	4545: RIS-GAN: Explore Residual and Illumination with Generative Adversarial Networks for Shadow Removal	Ling Zhang, Chengjiang Long, Xiaolong Zhang, Chunxia Xiao
Poster	4773: Channel Attention Is All You Need for Video Frame Interpolation	Myungsub Choi, Heewon Kim, Bohyung Han, Ning Xu, Kyoung Mu Lee
Poster	5221: JSI-GAN: GAN-Based Joint Super-Resolution and Inverse Tone-Mapping with Pixel-Wise Task-Specific Filters for UHD HDR Video	Soo Ye Kim, Jihyong Oh, Munchurl Kim
Poster	5847: CAG: A Real-Time Low-Cost Enhanced-Robustness High-Transferabilitiy Content-Aware Adversarial Attack Generator	Huy Phan, Yi Xie, Siyu Liao, Jie Chen, Bo Yuan
Poster	6371: MarioNETte: Few-Shot Face Reenactment Preserving Identity of Unseen Targets	Sungjoo Ha, Martin Kersner, Beomsu Kim, Seokjun Seo, Dongyoung Kim
Poster	10089: Image Formation Model Guided Deep Image Super-Resolution	Jinshan Pan, Yang Liu, Deqing Sun, Jimmy Ren, Ming-Ming Cheng, Jian Yang, Jinhui Tang
Poster	10341: Towards Scale-Free Rain Streak Removal via Self-Supervised Fractal Band Learning	Wenhan Yang, Shiqi Wang, Dejia Xu, Xiaodong Wang, Jiaying Liu
	Tech Session 5: ML: Neural Nets Theory, Models and Algorithms	**Sunday, 11:15 - 12:30, Murray Hill**
Oral	8084: Network as Regularization for Training Deep Neural Networks: Framework, Model and Performance	Kai Tian, Yi Xu, Jihong Guan, Shuigeng Zhou
Oral	8198: DNNs as Layers of Cooperating Classifiers	Marelie H. Davel, Marthinus W. Theunissen, Arnold M. Pretorius, Etienne Barnard
Poster	904: Layerwise Sparse Coding for Pruned Deep Neural Networks with Extreme Compression Ratio	Xiao Liu, Wenbin Li, Jing Huo, Lili Yao, Yang Gao
Poster	1964: Training Decision Trees as Replacement for Convolution Layers	Wolfgang Fuhl, Gjergji Kasneci, Wolfgang Rosenstiel, Enkeljda Kasneci
Poster	2379: OOGAN: Disentangling GAN with One-Hot Sampling and Orthogonal Regularization	Bingchen Liu, Yizhe Zhu, Zuohui Fu, Gerard de Melo, Ahmed Elgammal
Poster	2494: Fractional Skipping: Toward Finer-Grained Dynamic CNN Inference	Jianghao Shen, Yue Wang, Pengfei Xu, Yonggan Fu, Zhangyang Wang, Yingyan Lin
Poster	2627: Instance Enhancement Batch Normalization: An Adaptive Regulator of Batch Noise	Senwei Liang, Zhongzhan Huang, Mingfu Liang, Haizhao Yang
Poster	2914: Plug-In, Trainable Gate for Streamlining Arbitrary Neural Networks	Jaedeok Kim, Chiyoun Park, Hyun-Joo Jung, Yoonsuck Choe
Poster	2932: Towards Certificated Model Robustness Against Weight Perturbations	Tsui-Wei Weng, Pu Zhao, Sijia Liu, Pin-Yu Chen, Xue Lin, Luca Daniel
Poster	3278: Aggregated Learning: A Vector-Quantization Approach to Learning Neural Network Classifiers	Masoumeh Soflaei, Hongyu Guo, Ali Al-Bashabsheh, Yongyi Mao, Richong Zhang
Poster	3914: Model Watermarking for Image Processing Networks	Jie Zhang, Dongdong Chen, Jing Liao, Han Fang, Weiming Zhang, Wenbo Zhou, Hao Cui, Nenghai Yu
Poster	4374: Self-Supervised Learning for Generalizable Out-of-Distribution Detection	Sina Mohseni, Mandar Pitale, JBS Yadawa, Zhangyang Wang
Poster	4445: Bivariate Beta-LSTM	Kyungwoo Song, JoonHo Jang, Seung jae Shin, Il-Chul Moon
Poster	5629: Fast and Deep Graph Neural Networks	Claudio Gallicchio, Alessio Micheli
Poster	5873: Temporal Pyramid Recurrent Neural Network	Qianli Ma, Zhenxi Lin, Enhuan Chen, Garrison W. Cottrell
Poster	6087: Local Regularizer Improves Generalization	Yikai Zhang, Hui Qu, Dimitris Metaxas, Chao Chen
Poster	7983: HLHLp: Quantized Neural Networks Training for Reaching Flat Minima in Loss Surface	Sungho Shin, Jinhwan Park, Yoonho Boo, Wonyong Sung
Poster	8336: ASAP: Adaptive Structure Aware Pooling for Learning Hierarchical Graph Representations	Ekagra Ranjan, Soumya Sanyal, Partha Talukdar
Poster	8715: AutoCompress: An Automatic DNN Structured Pruning Framework for Ultra-High Compression Rates	Ning Liu, Xiaolong Ma, Zhiyuan Xu, Yanzhi Wang, Jian Tang, Jieping Ye
	Tech Session 6: Vision: 3D	**Sunday, 11:15 - 12:30, Nassau**
Oral	2920: LCD: Learned Cross-Domain Descriptors for 2D-3D Matching	Quang-Hieu Pham, Mikaela Angelina Uy, Binh-Son Hua, Duc Thanh Nguyen, Gemma Roig, Sai-Kit Yeung
Oral	5021: Point2Node: Correlation Learning of Dynamic-Node for Point Cloud Feature Modeling	Wenkai Han, Chenglu Wen, Cheng Wang, Xin Li, Qing Li
Poster	199: Chained Representation Cycling: Learning to Estimate 3D Human Pose and Shape by Cycling Between Representations	Nadine Rüegg, Christoph Lassner, Michael Black, Konrad Schindler
Poster	1340: SubSpace Capsule Network	Marzieh Edraki, Nazanin Rahnavard, Mubarak Shah
Poster	1404: Revisiting Bilinear Pooling: A Coding Perspective	Zhi Gao, Yuwei Wu, Xiaoxun Zhang, Jindou Dai, Yunde Jia, Mehrtash Harandi
Poster	2066: Morphing and Sampling Network for Dense Point Cloud Completion	Minghua Liu, Lu Sheng, Sheng Yang, Jing Shao, Shi-Min Hu
Poster	2126: Learning from Positive and Unlabeled Data without Explicit Estimation of Class Prior	Chenguang Zhang, Yuexian Hou, Yan Zhang
Poster	2165: RoadTagger: Robust Road Attribute Inference with Graph Neural Networks	Songtao He, Favyen Bastani, Satvat Jagwani, Edward Park, Sofiane Abbar, Mohammad Alizadeh, Hari Balakrishnan, Sanjay Chawla, Samuel Madden, Mohammad Amin Sadeghi
Poster	2639: Unpaired Image Enhancement Featuring Reinforcement-Learning-Controlled Image Editing Software	Satoshi Kosugi, Toshihiko Yamasaki
Poster	2796: A Variational Autoencoder with Deep Embedding Model for Generalized Zero-Shot Learning	Peirong Ma, Xiao Hu

Poster	2987: Simple Pose: Rethinking and Improving a Bottom-Up Approach for Multi-Person Pose Estimation	Jia Li, Wen Su, Zengfu Wang
Poster	3196: JSNet: Joint Instance and Semantic Segmentation of 3D Point Clouds	Lin Zhao, Wenbing Tao
Poster	3731: Learning to Incorporate Structure Knowledge for Image Inpainting	Jie Yang, Zhiquan Qi, Yong Shi
Poster	3750: 3D Human Pose Estimation via Explicit Compositional Depth Maps	Haiping Wu, Bin Xiao
Poster	3845: TEINet: Towards an Efficient Architecture for Video Recognition	Zhaoyang Liu, Donghao Luo, Yabiao Wang, Limin Wang, Ying Tai, Chengjie Wang, Jilin Li, Feiyue Huang, Tong Lu
Poster	4059: AWR: Adaptive Weighting Regression for 3D Hand Pose Estimation	Weiting Huang, Pengfei Ren, Jingyu Wang, Qi Qi, Haifeng Sun
Poster	5011: Gated Convolutional Networks with Hybrid Connectivity for Image Classification	Chuanguang Yang, Zhulin An, Hui Zhu, Xiaolong Hu, Kun Zhang, Kaiqiang Xu, Chao Li, Yongjun Xu
Poster	8737: Joint Super-Resolution and Alignment of Tiny Faces	Yu Yin, Joseph P. Robinson, Yulun Zhang, Yun Fu
	Tech Session 7: ML: Supervised Learning	**Sunday, 11:15 - 12:30, Concourse A**
Oral	3784: Active Learning with Query Generation for Cost-Effective Text Classification	Yi-Fan Yan, Sheng-Jun Huang, Shaoyi Chen, Meng Liao, Jin Xu
Oral	9650: Active Ordinal Querying for Tuplewise Similarity Learning	Gregory Canal, Stefano Fenu, Christopher Rozell
Poster	504: Coupled-View Deep Classifier Learning from Multiple Noisy Annotators	Shikun Li, Shiming Ge, Yingying Hua, Chunhui Zhang, Hao Wen, Tengfei Liu, Weiqiang Wang
Poster	2005: Less Is Better: Unweighted Data Subsampling via Influence Function	Zifeng Wang, Hong Zhu, Zhenhua Dong, Xiuqiang He, Shao-Lun Huang
Poster	3430: Improved PAC-Bayesian Bounds for Linear Regression	Vera Shalaeva, Alireza Fakhrizadeh Esfahani, Pascal Germain, Mihaly Petreczky
Poster	3492: A Unified Framework for Knowledge Intensive Gradient Boosting: Leveraging Human Experts for Noisy Sparse Domains	Harsha Kokel, Phillip Odom, Shuo Yang, Sriraam Natarajan
Poster	3544: The HSIC Bottleneck: Deep Learning without Back-Propagation	Wan-Duo Kurt Ma, J.P. Lewis, W. Bastiaan Kleijn
Poster	3834: Automated Spectral Kernel Learning	Jian Li, Yong Liu, Weiping Wang
Poster	4292: Ensembles of Locally Independent Prediction Models	Andrew Slavin Ross, Weiwei Pan, Leo Anthony Celi, Finale Doshi-Velez
Poster	4327: Asking the Right Questions to the Right Users: Active Learning with Imperfect Oracles	Shayok Chakraborty
Poster	4372: Active Learning in the Geometric Block Model	Eli Chien, Antonia Maria Tulino, Jaime Llorca
Poster	5250: Sequential Mode Estimation with Oracle Queries	Dhruti Shah, Tuhinangshu Choudhury, Nikhil Karamchandani, Aditya Gopalan
Poster	5293: Weakly Supervised Learning Meets Ride-Sharing User Experience Enhancement	Lan-Zhe Guo, Feng Kuang, Zhang-Xun Liu, Yu-Feng Li, Nan Ma, Xiao-Hu Qie
Poster	5659: Federated Patient Hashing	Jie Xu, Zhenxing Xu, Peter Walker, Fei Wang
Poster	6337: Relation Inference among Sensor Time Series in Smart Buildings with Metric Learning	Shuheng Li, Dezhi Hong, Hongning Wang
Poster	6985: Revisiting Probability Distribution Assumptions for Information Theoretic Feature Selection	Yuan Sun, Wei Wang, Michael Kirley, Xiaodong Li, Jeffrey Chan
Poster	7950: Robust Federated Learning via Collaborative Machine Teaching	Yufei Han, Xiangliang Zhang
Poster	9992: Uncertainty Aware Graph Gaussian Process for Semi-Supervised Learning	Zhao-Yang Liu, Shao-Yuan Li, Songcan Chen, Yao Hu, Sheng-Jun Huang
Poster	10447: Meta-Learning PAC-Bayes Priors in Model Averaging	Yimin Huang, Weiran Huang, Liang Li, Zhenguo Li
	Tech Session 8: Planning	**Sunday, 11:15 - 12:30, Gibson**
Oral	898: Automated Synthesis of Social Laws in STRIPS	Ronen Nir, Alexander Shleyfman, Erez Karpas
Oral	1581: Lifted Fact-Alternating Mutex Groups and Pruned Grounding of Classical Planning Problems	Daniel Fišer
Oral	1770: On Succinct Groundings of HTN Planning Problems	Gregor Behnke, Daniel Höller, Alexander Schmid, Pascal Bercher, Susanne Biundo
Poster	551: Multi-Objective Multi-Agent Planning for Jointly Discovering and Tracking Mobile Objects	Hoa Van Nguyen, Hamid Rezatofighi, Ba-Ngu Vo, Damith C. Ranasinghe
Poster	4335: HDDL: An Extension to PDDL for Expressing Hierarchical Planning Problems	Daniel Höller, Gregor Behnke, Pascal Bercher, Susanne Biundo, Humbert Fiorino, Damien Pellier, Ron Alford
Poster	9125: Semantic Attachments for HTN Planning	Maurício Cecílio Magnaguagno, Felipe Meneguzzi
	Tech Session 9: Constraint Satisfaction and Optimization	**Sunday, 11:15 - 12:30, Clinton**
Oral	2787: Accelerating Column Generation via Flexible Dual Optimal Inequalities with Application to Entity Resolution	Vishnu Suresh Lokhande, Shaofei Wang, Maneesh Singh, Julian Yarkony
Oral	6164: Optimization of Chance-Constrained Submodular Functions	Benjamin Doerr, Carola Doerr, Aneta Neumann, Frank Neumann, Andrew M. Sutton
Oral	6740: A Learning Based Branch and Bound for Maximum Common Subgraph Related Problems	Yanli Liu, Chu-Min Li, Hua Jiang, Kun He
Poster	1126: Do Subsampled Newton Methods Work for High-Dimensional Data?	Xiang Li, Shusen Wang, Zhihua Zhang
Poster	3084: Exact and Efficient Inference for Collective Flow Diffusion Model via Minimum Convex Cost Flow Algorithm	Yasunori Akagi, Takuya Nishimura, Yusuke Tanaka, Takeshi Kurashima, Hiroyuki Toda

Poster	3888: Empirical Bounds on Linear Regions of Deep Rectifier Networks	Thiago Serra, Srikumar Ramalingam
Poster	4351: Optimizing Discrete Spaces via Expensive Evaluations: A Learning to Search Framework	Aryan Deshwal, Syrine Belakaria, Janardhan Rao Doppa, Alan Fern
Poster	4763: Trading Convergence Rate with Computational Budget in High Dimensional Bayesian Optimization	Hung Tran-The, Sunil Gupta, Santu Rana, Svetha Venkatesh
Poster	6051: Deep Neural Network Approximated Dynamic Programming for Combinatorial Optimization	Shenghe Xu, Shivendra S. Panwar, Murali Kodialam, T.V. Lakshman
Poster	8833: Efficient Projection-Free Online Methods with Stochastic Recursive Gradient	Jiahao Xie, Zebang Shen, Chao Zhang, Boyu Wang, Hui Qian
	Tech Session 10: Knowledge Representation and Reasoning	**Sunday, 11:15 - 12:30, Madison**
Oral	3333: Hypothetical Answers to Continuous Queries over Data Streams	Luís Cruz-Filipe, Graça Gaspar, Isabel Nunes
Oral	3880: Resilient Logic Programs: Answer Set Programs Challenged by Ontologies	Sanja Lukumbuzya, Magdalena Ortiz, Mantas Šimkus
Oral	5480: Complexity and Expressive Power of Disjunction and Negation in Limit Datalog	Mark Kaminski, Bernardo Cuenca Grau, Egor V. Kostylev, Ian Horrocks
Poster	280: Ranking-Based Semantics for Sets of Attacking Arguments	Bruno Yun, Srdjan Vesic, Madalina Croitoru
Poster	1148: Query Answering with Guarded Existential Rules under Stable Model Semantics	Hai Wan, Guohui Xiao, Chenglin Wang, Xianqiao Liu, Junhong Chen, Zhe Wang
Poster	5594: K-BERT: Enabling Language Representation with Knowledge Graph	Weijie Liu, Peng Zhou, Zhe Zhao, Zhiruo Wang, Qi Ju, Haotang Deng, Ping Wang
Poster	9502: Commonsense Knowledge Base Completion with Structural and Semantic Context	Chaitanya Malaviya, Chandra Bhagavatula, Antoine Bosselut, Yejin Choi
Poster	9802: Solving Sum-of-Costs Multi-Agent Pathfinding with Answer-Set Programming	Rodrigo N. Gómez, Carlos Hernández, Jorge A. Baier
	Tech Session 11: Fair Allocation	**Sunday, 11:15 - 12:30, Morgan**
Oral	1179: Fair Division of Mixed Divisible and Indivisible Goods	Xiaohui Bei, Zihao Li, Jinyan Liu, Shengxin Liu, Xinhang Lu
Oral	3488: Contiguous Cake Cutting: Hardness Results and Approximation Algorithms	Paul W. Goldberg, Alexandros Hollender, Warut Suksompong
Oral	4005: Algorithms for Manipulating Sequential Allocation	Mingyu Xiao, Jiaxing Ling
Poster	2006: Price of Fairness in Budget Division and Probabilistic Social Choice	Marcin Michorzewski, Dominik Peters, Piotr Skowron
Poster	5545: Parameterized Algorithms for Finding a Collective Set of Items	Robert Bredereck, Piotr Faliszewski, Andrzej Kaczmarczyk, Dušan Knop, Rolf Niedermeier
Poster	8806: Analysis of One-to-One Matching Mechansims via SAT Solving: Impossibilities for Universal Axioms	Ulle Endriss
	EAAI-20: AI for Education Track and Model AI Assignments	**Sunday, 11:00 - 12:10, Bryant**
	EAAI28: Semi-Supervised Learning to Perceive Children's Affective States in a Tablet Tutor	Mansi Agarwal, Jack Mostow
	EAAI4: AISpace2: An Interactive Visualization Tool for Learning and Teaching Artificial Intelligence	Chenliang Zhou, Dominic Kuang, Jingru Liu, Hanbo Yang, Zijia Zhang, Alan Mackworth, David Poole
	Model AI Assignments *(11:40 - 12:10)*	
MAIA	Playing Against Adversary and Stochastic Agents in Connect Four Game	Narges Norouzi, Ryan Hausen
MAIA	Graphical Networked Checkers Bots Assignment	Matthew Evett
2:00 - 3:15pm		
	Tech Session 1: NLP: Relational Learning	**Sunday, 2:00 - 3:15, Trianon**
Oral	133: Are Noisy Sentences Useless for Distant Supervised Relation Extraction?	Yu-Ming Shang, He-yan Huang, Xian-Ling Mao, Xin Sun, Wei Wei
Oral	1322: Improving Entity Linking by Modeling Latent Entity Type Information	Shuang Chen, Jinpeng Wang, Feng Jiang, Chin-Yew Lin
Oral	3868: Improving Neural Relation Extraction with Positive and Unlabeled Learning	Zhengqiu He, Wenliang Chen, Yuyi Wang, Wei Zhang, Guanchun Wang, Min Zhang
Poster	4412: CopyMTL: Copy Mechanism for Joint Extraction of Entities and Relations with Multi-Task Learning	Daojian Zeng, Haoran Zhang, Qianying Liu
Poster	5916: Robust Named Entity Recognition with Truecasing Pretraining	Stephen Mayhew, Nitish Gupta, Dan Roth
Poster	6346: HAMNER: Headword Amplified Multi-Span Distantly Supervised Method for Domain Specific Named Entity Recognition	Shifeng Liu, Yifang Sun, Bing Li, Wei Wang, Xiang Zhao
Poster	7327: Hierarchical Contextualized Representation for Named Entity Recognition	Ying Luo, Fengshun Xiao, Hai Zhao
Poster	8632: Zero-Shot Text-to-SQL Learning with Auxiliary Task	Shuaichen Chang, Pengfei Liu, Yun Tang, Jing Huang, Xiaodong He, Bowen Zhou
Poster	9347: Fine-Grained Entity Typing for Domain Independent Entity Linking	Yasumasa Onoe, Greg Durrett
Poster	10036: Effective Modeling of Encoder-Decoder Architecture for Joint Entity and Relation Extraction	Tapas Nayak, Hwee Tou Ng
	Tech Session 2: Application: Science	**Sunday, 2:00 - 3:15, Beekman**
Oral	5915: A Graph Auto-Encoder for Haplotype Assembly and Viral Quasispecies Reconstruction	Ziqi Ke, Haris Vikalo

Oral	8599: CORE: Automatic Molecule Optimization Using Copy & Refine Strategy	Tianfan Fu, Cao Xiao, Jimeng Sun
Oral	8925: Learning Multi-Modal Biomarker Representations via Globally Aligned Longitudinal Enrichments	Lyujian Lu, Saad Elbeleidy, Lauren Zoe Baker, Hua Wang
Poster	2023: Object-Guided Instance Segmentation for Biological Images	Jingru Yi, Hui Tang, Pengxiang Wu, Bo Liu, Daniel J. Hoeppner, Dimitris N. Metaxas, Lianyi Han, Wei Fan
Poster	4719: Modeling Electrical Motor Dynamics using Encoder-Decoder with Recurrent Skip Connection	Sagar Verma, Nicolas Henwood, Marc Castella, Francois Malrait, Jean-Christophe Pesquet
Poster	5490: A New Burrows Wheeler Transform Markov Distance	Edward Raff, Charles Nicholas, Mark McLean
Poster	5592: CASTER: Predicting Drug Interactions with Chemical Substructure Representation	Kexin Huang, Cao Xiao, Trong Nghia Hoang, Lucas M. Glass, Jimeng Sun
Poster	8224: Chemically Interpretable Graph Interaction Network for Prediction of Pharmacokinetic Properties of Drug-Like Molecules	Yashaswi Pathak, Siddhartha Laghuvarapu, Sarvesh Mehta, U Deva Priyakumar
Poster	9733: DeepVar: An End-to-End Deep Learning Approach for Genomic Variant Recognition in Biomedical Literature	Chaoran Cheng, Fei Tan, Zhi Wei
	Tech Session 3: NLP: Speech, Syntax and Semantics	**Sunday, 2:00 - 3:15, Sutton North**
Oral	4824: FPETS : Fully Parallel End-to-End Text-to-Speech System	Dabiao Ma, Zhiba Su, Wenxuan Wang, Yuhao Lu
Oral	5669: Synchronous Speech Recognition and Speech-to-Text Translation with Interactive Decoding	Yuchen Liu, Jiajun Zhang, Hao Xiong, Long Zhou, Zhongjun He, Hua Wu, Haifeng Wang, Chengqing Zong
Oral	9382: Towards Zero-Shot Learning for Automatic Phonemic Transcription	Xinjian Li, Siddharth Dalmia, David R. Mortensen, Juncheng Li, Alan W Black, Florian Metze
Poster	3057: PHASEN: A Phase-and-Harmonics-Aware Speech Enhancement Network	Dacheng Yin, Chong Luo, Zhiwei Xiong, Wenjun Zeng
Poster	5017: Global Greedy Dependency Parsing	Zuchao Li, Hai Zhao, Kevin Parnow
Poster	5343: RobuTrans: a Robust Transformer-Based Text-to-Speech Model	Naihan Li, Yanqing Liu, Yu Wu, Shujie Liu, Sheng Zhao, Ming Liu
Poster	6844: Deep Residual-Dense Lattice Network for Speech Enhancement	Mohammad Nikzad, Aaron Nicolson, Yongsheng Gao, Jun Zhou, Kuldip K. Paliwal, Fanhua Shang
Poster	7706: Can Embeddings Adequately Represent Medical Terminology? New Large-Scale Medical Term Similarity Datasets Have the Answer!	Claudia Schulz, Damir Juric
Poster	9366: Learning Efficient Representations for Fake Speech Detection	Nishant Subramani, Delip Rao
Poster	10477: MaskGEC: Improving Neural Grammatical Error Correction via Dynamic Masking	Zewei Zhao, Houfeng Wang
	IAAI-20: AI in Visual Inspection and Detection	**Sunday, 2:00 - 3:10, Sutton Center**
	IAAI100: FedVision: An Online Visual Object Detection Platform Powered by Federated Learning (Deployed)	Yang Liu, Anbu Huang, Yun Luo, He Huang, Youzhi Liu, Yuanyuan Chen, Lican Feng, Tianjian Chen, Han Yu, Qiang Yang
	IAAI169: Embedding Convolution Neural Network-Based Defect Finder for Deployed Vision Inspector in Manufacturing Company Frontec (Deployed)	Kyoung Jun Lee, Jun Woo Kwon, Soohong Min, Jungho Yoon
	IAAI184: Probabilistic Super Resolution for Mineral Spectroscopy	Alberto Candela, David R. Thompson, David Wettergreen, Kerry Cawse-Nicholson, Sven Geier, Michael L. Eastwood, Robert O. Green
	IAAI133: Calorie Estimation in a Real-World Recipe Service	Jun Harashima, Makoto Hiramatsu, Satoshi Sanjo
	AI for Social Impact Special Track 2	**Sunday, 2:00 - 3:20, Sutton South**
	AISI131: Lightweight and Robust Representation of Economic Scales from Satellite Imagery	Sungwon Han, Donghyun Ahn, Hyunji Cha, Jeasurk Yang, Sungwon Park, Meeyoung Cha
	AISI191: Inferring Nighttime Satellite Imagery from Human Mobility	Brian Dickinson, Gourab Ghoshal, Xerxes Dotiwalla, Adam Sadilek, Henry Kautz
	AISI8: Detecting and Tracking Communal Bird Roosts in Weather Radar Data	Zezhou Cheng, Saadia Gabriel, Pankaj Bhambhani, Daniel Sheldon, Subhransu Maji, Andrew Laughlin, David Winkler
	AISI118: A Distributed Multi-Sensor Machine Learning Approach to Earthquake Early Warning	Kevin Fauvel, Daniel Balouek-Thomert, Diego Melgar, Pedro Silva, Anthony Simonet, Gabriel Antoniu, Alexandru Costan, Véronique Masson, Manish Parashar, Ivan Rodero, Alexandre Termier
	AAAI-20 Senior Member Track Session 2	**Sunday, 2:00 - 3:15, Regent**
Summary	SMT285 Software Testing for Machine Learning	Dusica Marijan, Arnaud Gotlieb
Blue Sky	SMT344 Learning on the Job: Online Lifelong and Continual Learning	Bing Liu
Summary	SMT374 On the Robustness of Face Recognition Algorithms Against Attacks and Bias	Richa Singh, Akshay Agarwal, Maneet Singh, Shruti Nagpal, Mayank Vatsa
Blue Sky	SMT295 AI for Software Quality Assurance Blue Sky Ideas Talk	Meir Kalech, Roni Stern
	Tech Session 4: Vision: Object Detection	**Sunday, 2:00 - 3:15, Gramercy**
Oral	2618: Tell Me What They're Holding: Weakly-Supervised Object Detection with Transferable Knowledge from Human-Object Interaction	Daesik Kim, Gyujeong Lee, Jisoo Jeong, Nojun Kwak
Oral	3277: Global Context-Aware Progressive Aggregation Network for Salient Object Detection	Zuyao Chen, Qianqian Xu, Runmin Cong, Qingming Huang
Poster	561: Uncertainty-Aware Multi-Shot Knowledge Distillation for Image-based Object Re-identification	Xin Jin, Cuiling Lan, Wenjun Zeng, Zhibo Chen
Poster	1173: CIAN: Cross-Image Affinity Net for Weakly Supervised Semantic Segmentation	Junsong Fan, Zhaoxiang Zhang, Tieniu Tan, Chunfeng Song, Jun Xiao

Poster	1752: Temporal Context Enhanced Feature Aggregation for Video Object Detection	Fei He, Naiyu Gao, Qiaozhe Li, Senyao Du, Xin Zhao, Kaiqi Huang
Poster	1771: Detecting Human-Object Interactions via Functional Generalization	Ankan Bansal, Sai Saketh Rambhatla, Abhinav Shrivastava, Rama Chellappa
Poster	1857: Towards Ghost-Free Shadow Removal via Dual Hierarchical Aggregation Network and Shadow Matting GAN	Xiaodong Cun, Chi-Man Pun, Cheng Shi
Poster	1950: AutoRemover: Automatic Object Removal for Autonomous Driving Videos	Rong Zhang, Wei Li, Peng Wang, Chenye Guan, Jin Fang, Yuhang Song, Jinhui Yu, Baoquan Chen, Weiwei Xu, Ruigang Yang
Poster	2254: Find Objects and Focus on Highlights: Mining Object Semantics for Video Highlight Detection via Graph Neural Networks	Yingying Zhang, Junyu Gao, Xiaoshan Yang, Chang Liu, Yan Li, Changsheng Xu
Poster	2586: End-To-End Learning of Object Motion Estimation from Retinal Events for Event-Based Object Tracking	Haosheng Chen, David Suter, Qiangqiang Wu, Hanzi Wang
Poster	3688: Fast Learning of Temporal Action Proposal via Dense Boundary Generator	Chuming Lin, Jian Li, Yabiao Wang, Ying Tai, Donghao Luo, Zhipeng Cui, Chengjie Wang, Jilin Li, Feiyue Huang, Rongrong Ji
Poster	4084: EHSOD: CAM-Guided End-to-End Hybrid-Supervised Object Detection with Cascade Refinement	Linpu Fang, Hang Xu, Zhili Liu, Sarah Parisot, Zhenguo Li
Poster	4905: iFAN: Image-Instance Full Alignment Networks for Adaptive Object Detection	Chenfan Zhuang, Xintong Han, Weilin Huang, Matthew R. Scott
Poster	5104: SiamFC++: Towards Robust and Accurate Visual Tracking with Target Estimation Guidelines	Yinda Xu, Zeyu Wang, Zuoxin Li, Ye Yuan, Gang Yu
Poster	5208: Temporal Interlacing Network	Hao Shao, Shengju Qian, Yu Liu
Poster	5316: Multi-Spectral Salient Object Detection by Adversarial Domain Adaptation	Shaoyue Song, Hongkai Yu, Zhenjiang Miao, Jianwu Fang, Kang Zheng, Cong Ma, Song Wang
Poster	5994: Shallow Feature Based Dense Attention Network for Crowd Counting	Yunqi Miao, Zijia Lin, Guiguang Ding, Jungong Han
Poster	6201: Detecting Semantic Anomalies	Faruk Ahmed, Aaron Courville
Poster	7415: Filtration and Distillation: Enhancing Region Attention for Fine-Grained Visual Categorization	Chuanbin Liu, Hongtao Xie, Zheng-Jun Zha, Lingfeng Ma, Lingyun Yu, Yongdong Zhang
	Tech Session 5: ML: Casual Learning and Bayes Nets	**Sunday, 2:00 - 3:15, Murray Hill**
Oral	3429: Distributionally Robust Counterfactual Risk Minimization	Louis Faury, Ugo Tanielian, Elvis Dohmatob, Elena Smirnova, Flavian Vasile
Oral	6321: Rank Aggregation via Heterogeneous Thurstone Preference Models	Tao Jin, Pan Xu, Quanquan Gu, Farzad Farnoud
Oral	8893: Low-Variance Black-Box Gradient Estimates for the Plackett-Luce Distribution	Artyom Gadetsky, Kirill Struminsky, Christopher Robinson, Novi Quadrianto, Dmitry Vetrov
Poster	4296: Learning Counterfactual Representations for Estimating Individual Dose-Response Curves	Patrick Schwab, Lorenz Linhardt, Stefan Bauer, Joachim M. Buhmann, Walter Karlen
Poster	4500: EC-GAN: Inferring Brain Effective Connectivity via Generative Adversarial Networks	Jinduo Liu, Junzhong Ji, Guangxu Xun, Liuyi Yao, Mengdi Huai, Aidong Zhang
Poster	5855: Integrating Overlapping Datasets Using Bivariate Causal Discovery	Anish Dhir, Ciarán M. Lee
Poster	5918: An Efficient Algorithm for Counting Markov Equivalent DAGs	Robert Ganian, Thekla Hamm, Topi Talvitie
Poster	6025: A New Framework for Online Testing of Heterogeneous Treatment Effect	Miao Yu, Wenbin Lu, Rui Song
	Tech Session 6: Vision: Vision + Language	**Sunday, 2:00 - 3:15, Nassau**
Oral	398: MULE: Multimodal Universal Language Embedding	Donghyun Kim, Kuniaki Saito, Kate Saenko, Stan Sclaroff, Bryan A. Plummer
Oral	1648: Spatial-Temporal Multi-Cue Network for Continuous Sign Language Recognition	Hao Zhou, Wengang Zhou, Yun Zhou, Houqiang Li
Oral	5596: Multi-Question Learning for Visual Question Answering	Chenyi Lei, Lei Wu, Dong Liu, Zhao Li, Guoxin Wang, Haihong Tang, Houqiang Li
Poster	126: Deep Generative Probabilistic Graph Neural Networks for Scene Graph Generation	Mahmoud Khademi, Oliver Schulte
Poster	300: V-PROM: A Benchmark for Visual Reasoning Using Visual Progressive Matrices	Damien Teney, Peng Wang, Jiewei Cao, Lingqiao Liu, Chunhua Shen, Anton van den Hengel
Poster	362: Unified Vision-Language Pre-Training for Image Captioning and VQA	Luowei Zhou, Hamid Palangi, Lei Zhang, Houdong Hu, Jason J. Corso, Jianfeng Gao
Poster	1305: Overcoming Language Priors in VQA via Decomposed Linguistic Representations	Chenchen Jing, Yuwei Wu, Xiaoxun Zhang, Yunde Jia, Qi Wu
Poster	1591: Learning Cross-Modal Context Graph Networks for Visual Grounding	Yongfei Liu, Bo Wan, Xiaodan Zhu, Xuming He
Poster	7061: Reasoning with Heterogeneous Graph Alignment for Video Question Answering	Pin Jiang, Yahong Han
Poster	10253: Storytelling from an Image Stream Using Scene Graphs	Ruize Wang, Zhongyu Wei, Piji Li, Qi Zhang, Xuanjing Huang
	Tech Session 7: ML: Unsupervised and Semi-supervised Learning, Clustering	**Sunday, 2:00 - 3:15, Concourse A**
Oral	3229: Norm-Explicit Quantization: Improving Vector Quantization for Maximum Inner Product Search	Xinyan Dai, Xiao Yan, Kelvin K. W. Ng, Jie Liu, James Cheng
Oral	3588: Semi-Supervised Multi-Modal Learning with Balanced Spectral Decomposition	Peng Hu, Hongyuan Zhu, Xi Peng, Jie Lin

Oral	5802: Hypergraph Label Propagation Network	Yubo Zhang, Nan Wang, Yufeng Chen, Changqing Zou, Hai Wan, Xinbin Zhao, Yue Gao
Poster	2377: Interactive Rare-Category-of-Interest Mining from Large Datasets	Zhenguang Liu, Sihao Hu, Yifang Yin, Jianhai Chen, Kevin Chiew, Luming Zhang, Zetian Wu
Poster	2437: Cross-Modal Subspace Clustering via Deep Canonical Correlation Analysis	Quanxue Gao, Huanhuan Lian, Qianqian Wang, Gan Sun
Poster	3224: Understanding and Improving Proximity Graph Based Maximum Inner Product Search	Jie Liu, Xiao Yan, Xinyan Dai, Zhirong Li, James Cheng, Ming-Chang Yang
Poster	3576: Repetitive Reprediction Deep Decipher for Semi-Supervised Learning	Guo-Hua Wang, Jianxin Wu
Poster	5810: On the Parameterized Complexity of Clustering Incomplete Data into Subspaces of Small Rank	Robert Ganian, Iyad Kanj, Sebastian Ordyniak, Stefan Szeider
Poster	6040: Nonlinear Mixup: Out-Of-Manifold Data Augmentation for Text Classification	Hongyu Guo
Poster	6640: Multi-View Partial Multi-Label Learning with Graph-Based Disambiguation	Ze-Sen Chen, Xuan Wu, Qing-Guo Chen, Yao Hu, Min-Ling Zhang
	Tech Session 8: Combinatorial Optimization	**Sunday, 2:00 - 3:15, Gibson**
Oral	1164: Local Search with Dynamic-Threshold Configuration Checking and Incremental Neighborhood Updating for Maximum K-Plex Problem	Peilin Chen, Hai Wan, Shaowei Cai, Jia Li, Haicheng Chen
Oral	2813: Learning to Optimize Variational Quantum Circuits to Solve Combinatorial Problems	Sami Khairy, Ruslan Shaydulin, Lukasz Cincio, Yuri Alexeev, Prasanna Balaprakash
Oral	7957: An Interactive Regret-Based Genetic Algorithm for Solving Multi-Objective Combinatorial Optimization Problems	Nawal Benabbou, Cassandre Leroy, Thibaut Lust
Poster	208: Reduction and Local Search for Weighted Graph Coloring Problem	Yiyuan Wang, Shaowei Cai, Shiwei Pan, Ximing Li, Minghao Yin
Poster	4430: Subset Selection by Pareto Optimization with Recombination	Chao Qian, Chao Bian, Chao Feng
	Tech Session 9: Satisfiability	**Sunday, 2:00 - 3:15, Clinton**
Oral	1344: Guiding CDCL SAT Search via Random Exploration Amid Conflict Depression	Md Solimul Chowdhury, Martin Müller, Jia-Huai You
Oral	1625: Constructing Minimal Perfect Hash Functions Using SAT Technology	Sean A. Weaver, Marijn J.H. Heule
Oral	6013: FourierSAT: A Fourier Expansion-Based Algebraic Framework for Solving Hybrid Boolean Constraints	Anastasios Kyrillidis, Anshumali Shrivastava, Moshe Y. Vardi, Zhiwei Zhang
Poster	2997: Solving Set Cover and Dominating Set via Maximum Satisfiability	Zhendong Lei, Shaowei Cai
Poster	6056: A Cardinal Improvement to Pseudo-Boolean Solving	Jan Elffers, Jakob Nordström
Poster	9674: Predicting Propositional Satisfiability via End-to-End Learning	Chris Cameron, Rex Chen, Jason Hartford, Kevin Leyton-Brown
	Tech Session 10: Knowledge Representation and Reasoning	**Sunday, 2:00 - 3:15, Madison**
Oral	4791: Least General Generalizations in Description Logic: Verification and Existence	Jean Christoph Jung, Carsten Lutz, Frank Wolter
Oral	6048: Deciding the Loosely Guarded Fragment and Querying Its Horn Fragment Using Resolution	Sen Zheng, Renate A. Schmidt
Oral	8774: Explanations for Inconsistency-Tolerant Query Answering under Existential Rules	Thomas Lukasiewicz, Enrico Malizia, Cristian Molinaro
Poster	270: A Practical Approach to Forgetting in Description Logics with Nominals	Yizheng Zhao, Renate A. Schmidt, Yuejie Wang, Xuanming Zhang, Hao Feng
Poster	3174: LTLf Synthesis with Fairness and Stability Assumptions	Shufang Zhu, Giuseppe De Giacomo, Geguang Pu, Moshe Y. Vardi
Poster	8202: Automatic Verification of Liveness Properties in the Situation Calculus	Jian Li, Yongmei Liu
	Tech Session 11: Social Choice and Voting	**Sunday, 2:00 - 3:15, Morgan**
Oral	1788: Beyond Pairwise Comparisons in Social Choice: A Setwise Kemeny Aggregation Problem	Hugo Gilbert, Tom Portoleau, Olivier Spanjaard
Oral	2762: Lifting Preferences over Alternatives to Preferences over Sets of Alternatives: the Complexity of Recognizing Desirable Families of Sets	Jan Maly
Oral	9401: On Swap Convexity of Voting Rules	Svetlana Obraztsova, Edith Elkind, Piotr Faliszewski,
Poster	3409: Refining Tournament Solutions via Margin of Victory	Markus Brill, Ulrike Schmidt-Kraepelin, Warut Suksompong
Poster	7933: Favorite-Candidate Voting for Eliminating the Least Popular Candidate in a Metric Space	Xujin Chen, Minming Li, Chenhao Wang
	EAAI-20: Main Track and Panel	**Sunday, 1:45 - 3:15, Bryant**
	EAAI27: Zhorai: Designing a Conversational Agent for Children to Explore Machine Learning Concepts	Phoebe Lin, Jessica Van Brummelen, Galit Lukin, Randi Williams, Cynthia Breazeal
	EAAI31: Lessons Learned from Teaching Machine Learning and Natural Language Processing to High School Students	Narges Norouzi, Snigdha Chaturvedi, Matthew Rutledge

EAAI-20 Panel *(2:25-3:15)*

	K-12 AI Education in 2020	*Panelists:* Dave Touretsky, Christina Gardner-McCune

3:45 - 5:15pm

	Tech Session 1: NLP: Semantics and Summarization	**Sunday, 3:45 - 5:15, Trianon**

Oral	5515: Modelling Semantic Categories Using Conceptual Neighborhood	Zied Bouraoui, Jose Camacho-Collados, Luis Espinosa-Anke, Steven Schockaert
Oral	9256: Modelling Form-Meaning Systematicity with Linguistic and Visual Features	Arie Soeteman, Dario Gutierrez, Elia Bruni, Ekaterina Shutova
Oral	9757: Probing Natural Language Inference Models through Semantic Fragments	Kyle Richardson, Hai Hu, Lawrence S. Moss, Ashish Sabharwal
Poster	902: Aspect-Aware Multimodal Summarization for Chinese E-Commerce Products	Haoran Li, Peng Yuan, Song Xu, Youzheng Wu, Xiaodong He, Bowen Zhou
Poster	4249: Privacy Enhanced Multimodal Neural Representations for Emotion Recognition	Mimansa Jaiswal, Emily Mower Provost
Poster	4347: Embedding Compression with Isotropic Iterative Quantization	Siyu Liao, Jie Chen, Yanzhi Wang, Qinru Qiu, Bo Yuan
Poster	4888: Image Enhanced Event Detection in News Articles	Meihan Tong, Shuai Wang, Yixin Cao, Bin Xu, Juaizi Li, Lei Hou, Tat-Seng Chua
Poster	5511: The Value of Paraphrase for Knowledge Base Predicates	Bingcong Xue, Sen Hu, Lei Zou, Jiashu Cheng
Poster	5598: TRENDNERT: A Benchmark for Trend and Downtrend Detection in a Scientific Domain	Alena Moiseeva, Hinrich Schütze
Poster	7000: Adapting Language Models for Non-Parallel Author-Stylized Rewriting	Bakhtiyar Syed, Gaurav Verma, Balaji Vasan Srinivasan, Anandhavelu Natarajan, Vasudeva Varma
Poster	7053: Understanding the Semantic Content of Sparse Word Embeddings Using a Commonsense Knowledge Base	Vanda Balogh, Gábor Berend, Dimitrios I. Diochnos, György Turán
Poster	7285: Back to the Future – Sequential Alignment of Text Representations	Johannes Bjerva, Wouter M. Kouw, Isabelle Augenstein
Poster	7473: Learning to Map Frequent Phrases to Sub-Structures of Meaning Representation for Neural Semantic Parsing	Bo Chen, Xianpei Han, Ben He, Le Sun
Poster	7849: Deep Attentive Ranking Networks for Learning to Order Sentences	Pawan Kumar, Dhanajit Brahma, Harish Karnick, Piyush Rai
Poster	7916: Rethinking Generalization of Neural Models: A Named Entity Recognition Case Study	Jinlan Fu, Pengfei Liu, Qi Zhang
Poster	9267: Automatic Fact-Guided Sentence Modification	Darsh J Shah, Tal Schuster, Regina Barzilay
Poster	9286: Emu: Enhancing Multilingual Sentence Embeddings with Semantic Specialization	Wataru Hirota, Yoshihiko Suhara, Behzad Golshan, Wang-Chiew Tan
Poster	9812: Hierarchical Attention Network with Pairwise Loss for Chinese Zero Pronoun Resolution	Peiqin Lin, Meng Yang
	Tech Session 2: Application: Financial/Econ, Medical Imaging and Health	**Sunday, 3:45 - 5:15, Beekman**
Oral	947: Estimating Early Fundraising Performance of Innovations via Graph-Based Market Environment Model	Likang Wu, Zhi Li, Hongke Zhao, Zhen Pan, Qi Liu, Enhong Chen
Oral	3940: Index Tracking with Cardinality Constraints: A Stochastic Neural Networks Approach	Yu Zheng, Bowei Chen, Timothy M. Hospedales, Yongxin Yang
Oral	8415: Shoreline: Data-Driven Threshold Estimation of the Online Reserves of Cryptocurrency Trading Platforms	Xitong Zhang, He Zhu, Jiayu Zhou
Poster	1043: End-to-End Unpaired Image Denoising with Conditional Adversarial Networks	Zhiwei Hong, Xiaochen Fan, Tao Jiang, Jianxing Feng
Poster	1258: Neural Cognitive Diagnosis for Intelligent Education Systems	Fei Wang, Qi Liu, Enhong Chen, Zhenya Huang, Yuying Chen, Yu Yin, Zai Huang, Shijin Wang
Poster	1341: An Annotation Sparsification Strategy for 3D Medical Image Segmentation via Representative Selection and Self-Training	Hao Zheng, Yizhe Zhang, Lin Yang, Chaoli Wang, Danny Z. Chen
Poster	2247: Adaptive Quantitative Trading: an Imitative Deep Reinforcement Learning Approach	Yang Liu, Qi Liu, Hongke Zhao, Zhen Pan, Chuanren Liu
Poster	2261: Towards Cross-Modality Medical Image Segmentation with Online Mutual Knowledge Distillation	Kang Li, Lequan Yu, Shujun Wang, Pheng-Ann Heng
Poster	2690: Segmenting Medical MRI via Recurrent Decoding Cell	Ying Wen, Kai Xie, Lianghua He
Poster	3537: Graph-Driven Generative Models for Heterogeneous Multi-Task Learning	Wenlin Wang, Hongteng Xu, Zhe Gan, Bai Li, Guoyin Wang, Liqun Chen, Qian Yang, Wenqi Wang, Lawrence Carin
Poster	3936: Incorporating Expert-Based Investment Opinion Signals in Stock Prediction: A Deep Learning Framework	Heyuan Wang, Tengjiao Wang, Yi Li
Poster	4042: Pyramid Attention Aggregation Network for Semantic Segmentation of Surgical Instruments	Zhen-Liang Ni, Gui-Bin Bian, Guan-An Wang, Xiao-Hu Zhou, Zeng-Guang Hou, Hua-Bin Chen, Xiao-Liang Xie
Poster	4483: Reinforcement-Learning Based Portfolio Management with Augmented Asset Movement Prediction States	Yunan Ye, Hengzhi Pei, Boxin Wang, Pin-Yu Chen, Yada Zhu, Jun Xiao, Bo Li
Poster	5484: MRI Reconstruction with Interpretable Pixel-Wise Operations Using Reinforcement Learning	Wentian Li, Xidong Feng, Haotian An, Xiang Yao Ng, Yu-Jin Zhang
Poster	5933: Non-Local U-Nets for Biomedical Image Segmentation	Zhengyang Wang, Na Zou, Dinggang Shen, Shuiwang Ji
Poster	6125: Doctor2Vec: Dynamic Doctor Representation Learning for Clinical Trial Recruitment	Siddharth Biswal, Cao Xiao, Lucas M. Glass, Elizabeth Milkovits, Jimeng Sun
Poster	6697: Generating Realistic Stock Market Order Streams	Junyi Li, Xintong Wang, Yaoyang Lin, Arunesh Sinha, Michael P. Wellman
Poster	9690: Compact Autoregressive Network	Di Wang, Feiqing Huang, Jingyu Zhao, Guodong Li, Guangjian Tian
	Tech Session 3: NLP: Machine Comprehension and Q&A	**Sunday, 3:45 - 5:15, Sutton North**
Oral	3330: Graph-Based Reasoning over Heterogeneous External Knowledge for Commonsense Question Answering	Shangwen Lv, Daya Guo, Jingjing Xu, Duyu Tang, Nan Duan, Ming Gong, Linjun Shou, Daxin Jiang, Guihong Cao, Songlin Hu

Oral	8941: PIQA: Reasoning about Physical Commonsense in Natural Language		Yonatan Bisk, Rowan Zellers, Ronan Le Bras, Jianfeng Gao, Yejin Choi
Oral	9842: WINOGRANDE: An Adversarial Winograd Schema Challenge at Scale		Keisuke Sakaguchi, Ronan Le Bras, Chandra Bhagavatula, Yejin Choi
Poster	1894: Multi-Point Semantic Representation for Intent Classification		Jinghan Zhang, Yuxiao Ye, Yue Zhang, Likun Qiu, Bin Fu, Yang Li, Zhenglu Yang, Jian Sun
Poster	2217: Hashing Based Answer Selection		Dong Xu, Wu-Jun Li
Poster	2547: ReCO: A Large Scale Chinese Reading Comprehension Dataset on Opinion		Bingning Wang, Ting Yao, Qi Zhang, Jingfang Xu, Xiaochuan Wang
Poster	2888: On the Generation of Medical Question-Answer Pairs		Sheng Shen, Yaliang Li, Nan Du, Xian Wu, Yusheng Xie, Shen Ge, Tao Yang, Kai Wang, Xingzheng Liang, Wei Fan
Poster	3296: Capturing Sentence Relations for Answer Sentence Selection with Multi-Perspective Graph Encoding		Zhixing Tian, Yuanzhe Zhang, Xinwei Feng, Wenbin Jiang, Yajuan Lyu, Kang Liu, Jun Zhao
Poster	3574: Replicate, Walk, and Stop on Syntax: an Effective Neural Network Model for Aspect-Level Sentiment Classification		Yaowei Zheng, Richong Zhang, Samuel Mensah, Yongyi Mao
Poster	3657: Segment-then-Rank: Non-Factoid Question Answering on Instructional Videos		Kyungjae Lee, Nan Duan, Lei Ji, Jason Li, Seung-won Hwang
Poster	5584: A Large-Scale Dataset for Argument Quality Ranking: Construction and Analysis		Shai Gretz, Roni Friedman, Edo Cohen-Karlik, Assaf Toledo, Dan Lahav, Ranit Aharonov, Noam Slonim
Poster	5727: JEC-QA: A Legal-Domain Question Answering Dataset		Haoxi Zhong, Chaojun Xiao, Cunchao Tu, Tianyang Zhang, Zhiyuan Liu, Maosong Sun
Poster	6053: Just Add Functions: A Neural-Symbolic Language Model		David Demeter, Doug Downey
Poster	6672: Neural Semantic Parsing in Low-Resource Settings with Back-Translation and Meta-Learning		Yibo Sun, Duyu Tang, Nan Duan, Yeyun Gong, Xiaocheng Feng, Bing Qin, Daxin Jiang
Poster	6878: Knowledge-Enriched Visual Storytelling		Chao-Chun Hsu, Zi-Yuan Chen, Chi-Yang Hsu, Chih-Chia Li , Tzu-Yuan Lin, Ting-Hao (Kenneth) Huang, Lun-Wei Ku
Poster	7819: Integrating Relation Constraints with Neural Relation Extractors		Yuan Ye, Yansong Feng, Bingfeng Luo, Yuxuan Lai, Dongyan Zhao
Poster	8408: DMRM: A Dual-Channel Multi-Hop Reasoning Model for Visual Dialog		Feilong Chen, Fandong Meng, Jiaming Xu, Peng Li, Bo Xu, Jie Zhou
Poster	8623: Distributed Representations for Arithmetic Word Problems		Sowmya S Sundaram, Deepak P, Savitha Sam Abraham
	IAAI-20: AI in Trade and Finance	**Sunday, 3:45 - 5:05, Sutton Center**	
	IAAI172: Discovery News: A Generic Framework for Financial News Recommendation		Chong Wang, Lisa Kim, Grace Bang, Himani Singh, Russell Kociuba, Steven Pomerville, Xiaomo Liu
	IAAI77: Improving Lives of Indebted Farmers Using Deep Learning: Predicting Agricultural Produce Prices Using Convolutional Neural Networks		Hangzhi Guo, Alexander Woodruff, Amulya Yadav
	IAAI190: Using Small Business Banking Data for Explainable Credit Risk Scoring		Wei Wang, Christopher Lesner, Alexander Ran, Marko Rukonic, Jason Xue, Eric Shiu
	IAAI170: Detecting Suspicious Timber Trades		Debanjan Datta, M. Raihanul Islam, Nathan Self, Amelia Meadows, John Simeone, Willow Outhwaite, Chen Hin Keong, Amy Smith, Linda Walker, Naren Ramakrishnan
	IAAI157: Clarity: Data-Driven Automatic Assessment of Product Competitiveness (Deployed)		Sheema Usmani, Mariana Bernagozzi, Yufeng Huang, Michelle Morales, Amir Sabet Sarvestani, Biplav Srivastava
	AI for Social Impact Special Track 3	**Sunday, 3:45 - 5:25, Sutton South**	
	AISI196: Crisis-DIAS: Towards Multimodal Damage Analysis - Deployment, Challenges and Assessment		Mansi Agarwal, Maitree Leekha, Ramit Sawhney, Rajiv Ratn Shah
	AISI222: On Identifying Hashtags in Disaster Twitter Data		Jishnu Ray Chowdhury, Cornelia Caragea, Doina Caragea
	AISI30: Tracking Disaster Footprints with Social Streaming Data		Lu Cheng, Jundong Li, K. Selcuk Candan, Huan Liu
	AISI146: Weakly-Supervised Fine-Grained Event Recognition on Social Media Texts for Disaster Management		Wenlin Yao, Cheng Zhang, Shiva Saravanan, Ruihong Huang, Ali Mostafavi
	AISI145: Unsupervised Detection of Sub-Events in Large Scale Disasters		Chidubem Arachie, Manas Gaur, Sam Anzaroot, William Groves, Ke Zhang, Alejandro Jaimes
	Tech Session 4: Vision: Video	**Sunday, 3:45 - 5:15, Regent**	
Oral	2375: Ultrafast Video Attention Prediction with Coupled Knowledge Distillation		Kui Fu, Peipei Shi, Yafei Song, Shiming Ge, Xiangju Lu, Jia Li
Oral	2527: Video Cloze Procedure for Self-Supervised Spatio-Temporal Learning		Dezhao Luo, Chang Liu, Yu Zhou, Dongbao Yang, Can Ma, Qixiang Ye, Weiping Wang
Oral	8329: Spatio-Temporal Deformable Convolution for Compressed Video Quality Enhancement		Jianing Deng, Li Wang, Shiliang Pu, Cheng Zhuo
Poster	481: A Spherical Convolution Approach for Learning Long Term Viewport Prediction in 360 Immersive Video		Chenglei Wu, Rui-Xiao Zhang, Zhi Wang, Lifeng Sun
Poster	589: FASTER Recurrent Networks for Efficient Video Classification		Linchao Zhu, Du Tran, Laura Sevilla-Lara, Yi Yang, Matt Feiszli, Heng Wang
Poster	1234: SOGNet: Scene Overlap Graph Network for Panoptic Segmentation		Yibo Yang, Hongyang Li, Xia Li, Qijie Zhao, Jianlong Wu, Zhouchen Lin
Poster	1317: Every Frame Counts: Joint Learning of Video Segmentation and Optical Flow		Mingyu Ding, Zhe Wang, Bolei Zhou, Jianping Shi, Zhiwu Lu, Ping Luo
Poster	1378: Accurate Temporal Action Proposal Generation with Relation-Aware Pyramid Network		Jialin Gao, Zhixiang Shi, Guanshuo Wang, Jiani Li, Yufeng Yuan, Shiming Ge, Xi Zhou
Poster	1509: Knowledge Integration Networks for Action Recognition		Shiwen Zhang, Sheng Guo, Limin Wang, Weilin Huang, Matthew R. Scott

Poster	1685: Dynamic Sampling Network for Semantic Segmentation	Bin Fu, Junjun He, Zhengfu Zhang, Yu Qiao
Poster	2441: EFANet: Exchangeable Feature Alignment Network for Arbitrary Style Transfer	Zhijie Wu, Chunjin Song, Yang Zhou, Minglun Gong, Hui Huang
Poster	2940: Appearance and Motion Enhancement for Video-Based Person Re-Identification	Shuzhao Li, Huimin Yu, Haoji Hu
Poster	3195: Learned Video Compression via Joint Spatial-Temporal Correlation Exploration	Haojie Liu, Han Shen, Lichao Huang, Ming Lu, Tong Chen, Zhan Ma
Poster	3924: Tracklet Self-Supervised Learning for Unsupervised Person Re-Identification	Guile Wu, Xiatian Zhu, Shaogang Gong
Poster	4548: Auto-GAN: Self-Supervised Collaborative Learning for Medical Image Synthesis	Bing Cao, Han Zhang, Nannan Wang, Xinbo Gao, Dinggang Shen
Poster	4633: Visual Relationship Detection with Low Rank Non-Negative Tensor Decomposition	Mohammed Haroon Dupty, Zhen Zhang, Wee Sun Lee
Poster	4711: FISR: Deep Joint Frame Interpolation and Super-Resolution with a Multi-Scale Temporal Loss	Soo Ye Kim, Jihyong Oh, Munchurl Kim
Poster	10343: Convolutional Hierarchical Attention Network for Query-Focused Video Summarization	Shuwen Xiao, Zhou Zhao, Zijian Zhang, Xiaohui Yan, Min Yang
	Tech Session 5: Vision: Face Recognition, Modeling	**Sunday, 3:45 - 5:15, Gramercy**
Oral	378: Mis-Classified Vector Guided Softmax Loss for Face Recognition	Xiaobo Wang, Shifeng Zhang, Shuo Wang, Tianyu Fu, Hailin Shi, Tao Mei
Oral	5003: Softmax Dissection: Towards Understanding Intra- and Inter-Class Objective for Embedding Learning	Lanqing He, Zhongdao Wang, Yali Li, Shengjin Wang
Oral	5315: Distraction-Aware Feature Learning for Human Attribute Recognition via Coarse-to-Fine Attention Mechanism	Mingda Wu, Di Huang, Yuanfang Guo, Yunhong Wang
Poster	419: Learning Meta Model for Zero- and Few-shot Face Anti-spoofing	Yunxiao Qin, Chenxu Zhao, Xiangyu Zhu, Zezheng Wang, Zitong Yu, Tianyu Fu, Feng Zhou, Jingping Shi, Zhen Lei
Poster	1441: FAN-Face: a Simple Orthogonal Improvement to Deep Face Recognition	Jing Yang, Adrian Bulat, Georgios Tzimiropoulos
Poster	2452: A Coarse-to-Fine Adaptive Network for Appearance-Based Gaze Estimation	Yihua Cheng, Shiyao Huang, Fei Wang, Chen Qian, Feng Lu
Poster	2658: Towards Omni-Supervised Face Alignment for Large Scale Unlabeled Videos	Congcong Zhu, Hao Liu, Zhenhua Yu, Xuehong Sun
Poster	3685: Regularized Fine-Grained Meta Face Anti-Spoofing	Rui Shao, Xiangyuan Lan, Pong C. Yuen
Poster	4193: CG-GAN: An Interactive Evolutionary GAN-Based Approach for Facial Composite Generation	Nicola Zaltron, Luisa Zurlo, Sebastian Risi
Poster	4800: GDFace: Gated Deformation for Multi-View Face Image Synthesis	Xuemiao Xu, Keke Li, Cheng Xu, Shengfeng He
Poster	5606: MIMAMO Net: Integrating Micro- and Macro-Motion for Video Emotion Recognition	Didan Deng, Zhaokang Chen, Yuqian Zhou, Bertram Shi
Poster	6557: A New Dataset and Boundary-Attention Semantic Segmentation for Face Parsing	Yinglu Liu, Hailin Shi, Hao Shen, Yue Si, Xiaobo Wang, Tao Mei
Poster	6644: Video Face Super-Resolution with Motion-Adaptive Feedback Cell	Jingwei Xin, Nannan Wang, Jie Li, Xinbo Gao, Zhifeng Li
Poster	6654: Facial Attribute Capsules for Noise Face Super Resolution	Jingwei Xin, Nannan Wang, Xinrui Jiang, Jie Li, Xinbo Gao, Zhifeng Li
Poster	6827: Facial Action Unit Intensity Estimation via Semantic Correspondence Learning with Dynamic Graph Convolution	Yingruo Fan, Jacqueline C.K. Lam, Victor O.K. Li
Poster	7653: Frame-Guided Region-Aligned Representation for Video Person Re-Identification	Zengqun Chen, Zhiheng Zhou, Junchu Huang, Pengyu Zhang, Bo Li
Poster	7742: Efficient Facial Feature Learning with Wide Ensemble-Based Convolutional Neural Networks	Henrique Siqueira, Sven Magg, Stefan Wermter
	Tech Session 6: ML: Fairness and Privacy, Learning Theory	**Sunday, 3:45 - 5:15, Murray Hill**
Oral	5319: Making Existing Clusterings Fairer: Algorithms, Complexity Results and Insights	Ian Davidson, S. S. Ravi
Oral	8786: A Knowledge Transfer Framework for Differentially Private Sparse Learning	Lingxiao Wang, Quanquan Gu
Oral	9451: An Information-Theoretic Quantification of Discrimination with Exempt Features	Sanghamitra Dutta, Praveen Venkatesh, Piotr Mardziel, Anupam Datta, Pulkit Grover
Poster	66: Privacy-Preserving Gradient Boosting Decision Trees	Qinbin Li, Zhaomin Wu, Zeyi Wen, Bingsheng He
Poster	1465: Pairwise Learning with Differential Privacy Guarantees	Mengdi Huai, Di Wang, Chenglin Miao, Jinhui Xu, Aidong Zhang
Poster	1768: Privacy-Preserving Gaussian Process Regression – A Modular Approach to the Application of Homomorphic Encryption	Peter Fenner, Edward O. Pyzer-Knapp
Poster	3435: Interpretable and Differentially Private Predictions	Frederik Harder, Matthias Bauer, Mijung Park
Poster	3543: Pairwise Fairness for Ranking and Regression	Harikrishna Narasimhan, Andrew Cotter, Maya Gupta, Serena Wang
Poster	4492: Learning Fair Naive Bayes Classifiers by Discovering and Eliminating Discrimination Patterns	YooJung Choi, Golnoosh Farnadi, Behrouz Babaki, Guy Van den Broeck
Poster	5880: Generalization Error Bounds of Gradient Descent for Learning Over-Parameterized Deep ReLU Networks	Yuan Cao, Quanquan Gu
Poster	6001: A General Approach to Fairness with Optimal Transport	Silvia Chiappa, Ray Jiang, Tom Stepleton, Aldo Pacchiano, Heinrich Jiang, John Aslanides
Poster	6057: Differentially Private and Fair Classification via Calibrated Functional Mechanism	Jiahao Ding, Xinyue Zhang, Xiaohuan Li, Junyi Wang, Rong Yu, Miao Pan

Poster	6126: More Accurate Learning of k-DNF Reference Classes	Brendan Juba, Hengxuan Li
Poster	6315: Information-Theoretic Understanding of Population Risk Improvement with Model Compression	Yuheng Bu, Weihao Gao, Shaofeng Zou, Venugopal V. Veeravalli
Poster	6872: New Interpretations of Normalization Methods in Deep Learning	Jiacheng Sun, Xiangyong Cao, Hanwen Liang, Weiran Huang, Zewei Chen, Zhenguo Li
Poster	9361: Fairness in Network Representation by Latent Structural Heterogeneity in Observational Data	Xin Du, Yulong Pei, Wouter Duivesteijn, Mykola Pechenizkiy
Poster	9381: Morphism-Based Learning for Structured Data	Kilho Shin, David Lawrence Shepard
Poster	9491: Differentially Private Learning with Small Public Data	Jun Wang, Zhi-Hua Zhou
Tech Session 7: Vision: Weak Supervision, Adaptation, Transfer Learning		**Sunday, 3:45 - 5:15, Nassau**
Oral	4037: Diversity Transfer Network for Few-Shot Learning	Mengting Chen, Yuxin Fang, Xinggang Wang, Heng Luo, Yifeng Geng, Xinyu Zhang, Chang Huang, Wenyu Liu, Bo Wang
Oral	5161: Knowledge Graph Transfer Network for Few-Shot Recognition	Riquan Chen, Tianshui Chen, Xiaolu Hui, Hefeng Wu, Guanbin Li, Liang Lin
Oral	6713: Constructing Multiple Tasks for Augmentation: Improving Neural Image Classification With K-Means Features	Tao Gui, Lizhi Qing, Qi Zhang, Jiacheng Ye, Hang Yan, Zichu Fei, Xuanjing Huang
Poster	523: Learning to Transfer: Unsupervised Domain Translation via Meta-Learning	Jianxin Lin, Yijun Wang, Zhibo Chen, Tianyu He
Poster	1175: Web-Supervised Network with Softly Update-Drop Training for Fine-Grained Visual Classification	Chuanyi Zhang, Yazhou Yao, Huafeng Liu, Guo-Sen Xie, Xiangbo Shu, Tianfei Zhou, Zheng Zhang, Fumin Shen, Zhenmin Tang
Poster	1325: Improved Visual-Semantic Alignment for Zero-Shot Object Detection	Shafin Rahman, Salman Khan, Nick Barnes
Poster	1333: Context-Aware Zero-Shot Recognition	Ruotian Luo, Ning Zhang, Bohyung Han, Linjie Yang
Poster	1545: Learning Saliency-Free Model with Generic Features for Weakly-supervised Semantic Segmentation	Wenfeng Luo, Meng Yang
Poster	3176: Relation-Aware Pedestrian Attribute Recognition with Graph Convolutional Networks	Zichang Tan, Yang Yang, Jun Wan, Guodong Guo, Stan Z. Li
Poster	4646: Graph-Propagation Based Correlation Learning for Weakly Supervised Fine-Grained Image Classification	Zhihui Wang, Shijie Wang, Haojie Li, Zhi Dou, Jianjun Li
Poster	4706: Zero-Shot Ingredient Recognition by Multi-Relational Graph Convolutional Network	Jingjing Chen, Liangming Pan, Zhipeng Wei, Xiang Wang, Chong-Wah Ngo, Tat-Seng Chua
Poster	5333: Asymetric Co-Teaching for Unsupervised Cross Domain Person Re-Identification	Fengxiang Yang, Ke Li, Zhun Zhong, Zhiming Luo, Xing Sun, Hao Cheng, Xiaowei Guo, Feiyue Huang, Rongrong Ji, Shaozi Li
Poster	6350: One-Shot Image Classification by Learning to Restore Prototypes	Wanqi Xue, Wei Wang
Poster	6490: One-Shot Learning for Long-Tail Visual Relation Detection	Weitao Wang, Meng Wang, Sen Wang, Guodong Long, Lina Yao, Guilin Qi, Yang Chen
Poster	7147: Fine-Grained Recognition: Accounting for Subtle Differences between Similar Classes	Guolei Sun, Hisham Cholakkal, Salman Khan, Fahad Shahbaz Khan, Ling Shao
Poster	8480: Benign Examples: Imperceptible Changes Can Enhance Image Translation Performance	Vignesh Srinivasan, Klaus-Robert Müller, Wojciech Samek, Shinichi Nakajima
Poster	10366: Group-Wise Dynamic Dropout Based on Latent Semantic Variations	Zhiwei Ke, Zhiwei Wen, Weicheng Xie, Yi Wang, Linlin Shen
Poster	10390: Region-Based Global Reasoning Networks	Chuanming Wang, Huiyuan Fu, Charles X. Ling, Peilun Du, Huadong Ma
Tech Session 8: ML: Probabilistic Logic and Probabilistic Methods		**Sunday, 3:45 - 5:15, Concourse A**
Oral	23: BOWL: Bayesian Optimization for Weight Learning in Probabilistic Soft Logic	Sriram Srinivasan, Golnoosh Farnadi, Lise Getoor
Oral	1334: Forgetting to Learn Logic Programs	Andrew Cropper
Oral	9321: Tandem Inference: An Out-of-Core Streaming Algorithm For Very Large-Scale Relational Inference	Sriram Srinivasan, Eriq Augustine, Lise Getoor
Poster	175: Characterizing Membership Privacy in Stochastic Gradient Langevin Dynamics	Bingzhe Wu, Chaochao Chen, Shiwan Zhao, Cen Chen, Yuan Yao, Guangyu Sun, Li Wang, Xiaolu Zhang, Jun Zhou
Poster	1222: Few-Shot Bayesian Imitation Learning with Logical Program Policies	Tom Silver, Kelsey R. Allen, Alex K. Lew, Leslie Kaelbling, Josh Tenenbaum
Poster	2307: Learning General Latent-Variable Graphical Models with Predictive Belief Propagation	Borui Wang, Geoffrey Gordon
Poster	4305: Event-Driven Continuous Time Bayesian Networks	Debarun Bhattacharjya, Karthikeyan Shanmugam, Tian Gao, Nicholas Mattei, Kush R. Varshney, Dharmashankar Subramanian
Poster	4332: Gromov-Wasserstein Factorization Models for Graph Clustering	Hongteng Xu
Poster	4346: Deep Message Passing on Sets	Yifeng Shi, Junier Oliva, Marc Niethammer
Poster	4519: Tweedie-Hawkes Processes: Interpreting the Phenomena of Outbreaks	Tianbo Li, Yiping Ke
Poster	5129: The Radial and Directional Posteriors for Bayesian Deep Learning	Changyong Oh, Kamil Adamczewski, Mijung Park
Poster	5443: Abstract Interpretation of Decision Tree Ensemble Classifiers	Francesco Ranzato, Marco Zanella
Poster	5716: Deep Mixed Effect Model Using Gaussian Processes: A Personalized and Reliable Prediction for Healthcare	Ingyo Chung, Saehoon Kim, Juho Lee, Kwang Joon Kim, Sung Ju Hwang, Eunho Yang
Poster	5737: Learning Weighted Model Integration Distributions	Paolo Morettin, Samuel Kolb, Stefano Teso, Andrea Passerini

Poster	6158: Specifying Weight Priors in Bayesian Deep Neural Networks with Empirical Bayes	Ranganath Krishnan, Mahesh Subedar, Omesh Tickoo
Poster	6537: On the Learning Property of Logistic and Softmax Losses for Deep Neural Networks	Xiangrui Li, Xin Li, Deng Pan, Dongxiao Zhu
Poster	10209: Scalable Variational Bayesian Kernel Selection for Sparse Gaussian Process Regression	Tong Teng, Jie Chen, Yehong Zhang, Bryan Kian Hsiang Low
	Tech Session 9: Heuristic Search and Optimization	**Sunday, 3:45 - 5:15, Gibson**
Oral	2565: A Unifying View on Individual Bounds and Heuristic Inaccuracies in Bidirectional Search	Vidal Alcázar, Pat Riddle, Michael Barley
Oral	2742: Beliefs We Can Believe In: Replacing Assumptions with Data in Real-Time Search	Maximilian Fickert, Tianyi Gu, Leonhard Staut, Wheeler Ruml, Jörg Hoffmann, Marek Petrik
Oral	5811: Cakewalk Sampling	Uri Patish, Shimon Ullman
Poster	1773: Envelope-Based Approaches to Real-Time Heuristic Search	Kevin C. Gall, Bence Cserna, Wheeler Ruml
Poster	3364: On Performance Estimation in Automatic Algorithm Configuration	Shengcai Liu, Ke Tang, Yunwen Lei, Xin Yao
Poster	9699: Enumerating Maximal k-Plexes with Worst-Case Time Guarantee	Yi Zhou, Jingwei Xu, Zhenyu Guo, Mingyu Xiao, Yan Jin
	Tech Session 10: Humans and AI	**Sunday, 3:45 - 5:15, Clinton**
Oral	1698: Towards Socially Responsible AI: Cognitive Bias-Aware Multi-Objective Learning	Procheta Sen, Debasis Ganguly
Oral	5768: Learning to Interactively Learn and Assist	Mark Woodward, Chelsea Finn, Karol Hausman
Oral	9448: What Is It You Really Want of Me? Generalized Reward Learning with Biased Beliefs about Domain Dynamics	Ze Gong, Yu Zhang
Poster	715: SalSAC: A Video Saliency Prediction Model with Shuffled Attentions and Correlation-Based ConvLSTM	Xinyi Wu, Zhenyao Wu, Jinglin Zhang, Lili Ju, Song Wang
Poster	1056: Conditional Generative Neural Decoding with Structured CNN Feature Prediction	Changde Du, Changying Du, Lijie Huang, Huiguang He
Poster	2299: Towards Awareness of Human Relational Strategies in Virtual Agents	Ian Beaver, Cynthia Freeman, Abdullah Mueen
Poster	4471: Asymptotically Unambitious Artificial General Intelligence	Michael K. Cohen, Badri Vellambi, Marcus Hutter
Poster	6072: FLNet: Landmark Driven Fetching and Learning Network for Faithful Talking Facial Animation Synthesis	Kuangxiao Gu, Yuqian Zhou, Thomas Huang
Poster	6857: Just Ask: An Interactive Learning Framework for Vision and Language Navigation	Ta-Chung Chi, Mihail Eric, Seokhwan Kim, Minmin Shen, Dilek Hakkani-tur
Poster	7632: Actionable Ethics through Neural Learning	Daniele Rossini, Danilo Croce, Sara Mancini, Massimo Pellegrino, Roberto Basili
	Tech Session 11: Robotics and Planning	**Sunday, 3:45 - 5:15, Madison**
Oral	5505: Learning and Reasoning for Robot Sequential Decision Making under Uncertainty	Saeid Amiri, Mohammad Shokrolah Shirazi, Shiqi Zhang
Oral	8257: A Novel Learning Framework for Sampling-Based Motion Planning in Autonomous Driving	Yifan Zhang, Jinghuai Zhang, Jindi Zhang, Jianping Wang, Kejie Lu, Jeff Hong
Oral	8926: Learning from Interventions Using Hierarchical Policies for Safe Learning	Jing Bi, Vikas Dhiman, Tianyou Xiao, Chenliang Xu
Poster	596: Visual-Tactile Fusion Object Clustering	Tao Zhang, Yang Cong, Gan Sun, Qianqian Wang, Zhengming Ding
Poster	2276: NeoNav: Improving the Generalization of Visual Navigation via Generating Next Expected Observations	Qiaoyun Wu, Dinesh Manocha, Jun Wang, Kai Xu
Poster	3862: Adversarial Fence Patrolling: Non-Uniform Policies for Asymmetric Environments	Yaniv Oshrat, Noa Agmon, Sarit Kraus
Poster	4370: Dempster-Shafer Theoretic Learning of Indirect Speech Act Comprehension Norms	Ruchen Wen, Mohammed Aun Siddiqui, Tom Williams
Poster	4477: RoboCoDraw: Robotic Avatar Drawing with GAN-Based Style Transfer and Time-Efficient Path Optimization	Tianying Wang, Wei Qi Toh, Hao Zhang, Xiuchao Sui, Shaohua Li, Yong Liu, Wei Jing
Poster	6907: Long-Term Loop Closure Detection through Visual-Spatial Information Preserving Multi-Order Graph Matching	Peng Gao, Hao Zhang
Poster	8781: Modular Robot Design Synthesis with Deep Reinforcement Learning	Julian Whitman, Raunaq Bhirangi, Matthew Travers, Howie Choset
Poster	9192: That and There: Judging the Intent of Pointing Actions with Robotic Arms	Malihe Alikhani, Baber Khalid, Rahul Shome, Chaitanya Mitash, Kostas Bekris, Matthew Stone
	Tech Session 12: Game Theory	**Sunday, 3:45 - 5:15, Morgan**
Oral	2871: Structure Learning for Approximate Solution of Many-Player Games	Zun Li, Michael P. Wellman
Oral	3450: Private Bayesian Persuasion with Sequential Games	Andrea Celli, Stefano Coniglio, Nicola Gatti
Oral	7574: Distance-Based Equilibria in Normal-Form Games	Erman Acar, Reshef Meir
Poster	2149: Double-Oracle Sampling Method for Stackelberg Equilibrium Approximation in General-Sum Extensive-Form Games	Jan Karwowski, Jacek Mańdziuk
Poster	3096: Computing Team-Maxmin Equilibria in Zero-Sum Multiplayer Extensive-Form Games	Youzhi Zhang, Bo An
Poster	3118: Model and Reinforcement Learning for Markov Games with Risk Preferences	Wenjie Huang, Pham Viet Hai, William B. Haskell
Poster	3329: Coarse Correlation in Extensive-Form Games	Gabriele Farina, Tommaso Bianchi, Tuomas Sandholm

Poster	7073: Practical Frank – Wolfe Method with Decision Diagrams for Computing Wardrop Equilibrium of Combinatorial Congestion Games	Kengo Nakamura, Shinsaku Sakaue, Norihito Yasuda
	EAAI-20: Model AI Assignments, Research Challenge Announcement, and EAAI Community Meeting	**Sunday, 3:30:4:45, Bryant**
MAIA	A Project on Multi-Agent Path Finding (MAPF)	*Wolfgang Hoenig, Jiaoyang Li, Sven Koenig*
MAIA	PyPlat: A Flexible Platform Game Project	*Sejong Yoon*
	Research Challenge Announcement *(4:00 - 4:15)*	Todd Neller
	EAAI Community Meeting *(4:15 - 4:45)*	Ling Pan, Qingpeng Cai, Zhixuan Fang, Pingzhong Tang, Longbo Huang
5:20 - 7:20pm		
	AAAI	**Sunday, 5:20-7:20, Grand Ballroom (Overflow: Trianon Ballroom)**
	AAAI-20 Turing Award Winner Event	Yoshua Bengio, Geoffrey E. Hinton, Yann LeCun
7:30 - 9:30pm		
	AAAI	**Sunday, 7:30-9:30, Americas Halls I/II**
	AAAI-20 Poster / Demo Session 1	
7:30 - 10:00pm		
	AAAI	**Sunday, 7:30-10:00, Herb N' Kitchen Runway and PDR2**
	AAAI Fellows Recognition Dinner	*(by invitation only)*

Monday, February 10		

7:30 - 8:45am		
	AAAI	**Monday, 7:30-8:45, Beekman**
	Women's Mentoring Breakfast	*(Preregistration required)*
8:30 - 9:20am		
	AAAI	**Monday, 8:30-9:20, Grand Ballroom**
	AAAI-20 Invited Talk: Combining Machine Learning and Control for Reactive Robots	Aude Billard, EPFL – Ecole Polytechnique Federale de Lausanne, Switzerland
9:00 - 5:00pm		
	Diversity and Inclusion	**Monday, 9:00-5:00, Concourse G**
	DivinAI Hackfest: How Diverse are Top Artificial Intelligence Conferences?	Ana Freire and Emilia Gómez
9:30-10:45am		
	Tech Session 1: NLP: Relational Learning	**Monday 9:30-10:45, Trianon Ballroom**
Oral	3019: Learning Hierarchy-Aware Knowledge Graph Embeddings for Link Prediction	Zhanqiu Zhang, Jianyu Cai, Yongdong Zhang, Jie Wang
Oral	4433: Neural Snowball for Few-Shot Relation Learning	Tianyu Gao, Xu Han, Ruobing Xie, Zhiyuan Liu, Fen Lin, Leyu Lin, Maosong Sun
Oral	5537: Inducing Relational Knowledge from BERT	Zied Bouraoui, Jose Camacho-Collados, Steven Schockaert
Poster	3162: Knowledge Graph Alignment Network with Gated Multi-Hop Neighborhood Aggregation	Zequn Sun, Chengming Wang, Wei Hu, Muhao Chen, Jian Dai, Wei Zhang, Yuzhong Qu
Poster	3203: Self-Attention Enhanced Selective Gate with Entity-Aware Embedding for Distantly Supervised Relation Extraction	Yang Li, Guodong Long, Tao Shen, Tianyi Zhou, Lina Yao, Huan Huo, Jing Jiang
Poster	5327: An Attention-Based Graph Neural Network for Heterogeneous Structural Learning	Huiting Hong, Hantao Guo, Yucheng Lin, Xiaoqing Yang, Zang Li, Jieping Ye
Poster	6447: Tensor Graph Convolutional Networks for Text Classification	Xien Liu, Xinxin You, Xiao Zhang, Ji Wu, Ping Lv
Poster	7248: Coordinated Reasoning for Cross-Lingual Knowledge Graph Alignment	Kun Xu, Linfeng Song, Yansong Feng, Yan Song, Dong Yu
Poster	7266: End-to-End Argumentation Knowledge Graph Construction	Khalid Al-Khatib, Yufang Hou, Henning Wachsmuth, Charles Jochim, Francesca Bonin, Benno Stein
Poster	7540: Joint Entity and Relation Extraction with a Hybrid Transformer and Reinforcement Learning Based Model	Ya Xiao, Chengxiang Tan, Zhijie Fan, Qian Xu, Wenye Zhu
	Tech Session 2: Application: Game, Music, Entertainment	**Monday, 9:30-10:45, Beekman**
Oral	1016: RL-Duet: Online Music Accompaniment Generation Using Deep Reinforcement Learning	Nan Jiang, Sheng Jin, Zhiyao Duan, Changshui Zhang
Oral	4254: Algorithmic Improvements for Deep Reinforcement Learning Applied to Interactive Fiction	Vishal Jain, William Fedus, Hugo Larochelle, Doina Precup, Marc G. Bellemare
Oral	7179: DefogGAN: Predicting Hidden Information in the StarCraft Fog of War with Generative Adversarial Nets	Yonghyun Jeong, Hyunjin Choi, Byoungjip Kim, Youngjune Gwon
Poster	3455: Deep Bayesian Nonparametric Learning of Rules and Plans from Demonstrations with a Learned Automaton Prior	Brandon Araki, Kiran Vodrahalli, Thomas Leech, Cristian-Ioan Vasile, Mark Donahue, Daniela Rus
Poster	4069: Learning Part Generation and Assembly for Structure-Aware Shape Synthesis	Jun Li, Chengjie Niu, Kai Xu
Poster	4996: Hierarchical Modes Exploring in Generative Adversarial Networks	Mengxiao Hu, Jinlong Li, Maolin Hu, Tao Hu
Poster	5180: LeDeepChef: Deep Reinforcement Learning Agent for Families of Text-Based Games	Leonard Adolphs, Thomas Hofmann
Poster	6104: Predictive Student Modeling in Educational Games with Multi-Task Learning	Michael Geden, Andrew Emerson, Jonathan Rowe, Roger Azevedo, James Lester
Poster	8283: Synthesizing Action Sequences for Modifying Model Decisions	Goutham Ramakrishnan, Yun Chan Lee, Aws Albarghouthi
Poster	8400: Improved Knowledge Distillation via Teacher Assistant	Seyed Iman Mirzadeh, Mehrdad Farajtabar, Ang Li, Nir Levine, Akihiro Matsukawa, Hassan Ghasemzadeh

	Tech Session 3: NLP: Generation	**Monday, 9:30-10:45, Sutton North**	
Oral	3709: Sentence Generation for Entity Description with Content-Plan Attention	Bayu Distiawan Trisedya, Jianzhong Qi, Rui Zhang	
Oral	6647: Story Realization: Expanding Plot Events into Sentences	Prithviraj Ammanabrolu, Ethan Tien, Wesley Cheung, Zhaochen Luo, William Ma, Lara J. Martin, Mark O. Riedl	
Oral	6824: A Dataset for Low-Resource Stylized Sequence-to-Sequence Generation	Yu Wu, Yunli Wang, Shujie Liu	
Poster	5249: CatGAN: Category-Aware Generative Adversarial Networks with Hierarchical Evolutionary Learning for Category Text Generation	Zhiyue Liu, Jiahai Wang, Zhiwei Liang	
Poster	6828: Complementary Auxiliary Classifiers for Label-Conditional Text Generation	Yuan Li, Chunyuan Li, Yizhe Zhang, Xiujun Li, Guoqing Zheng, Lawrence Carin, Jianfeng Gao	
Poster	7388: Co-Attention Hierarchical Network: Generating Coherent Long Distractors for Reading Comprehension	Xiaorui Zhou, Senlin Luo, Yunfang Wu	
Poster	7682: Cross-Lingual Natural Language Generation via Pre-Training	Zewen Chi, Li Dong, Furu Wei, Wenhui Wang, Xian-Ling Mao, Heyan Huang	
Poster	8347: Open Domain Event Text Generation	Zihao Fu, Lidong Bing, Wai Lam	
Poster	8678: Capturing Greater Context for Question Generation	Luu Anh Tuan, Darsh J Shah, Regina Barzilay	
Poster	8744: Meta-CoTGAN: A Meta Cooperative Training Paradigm for Improving Adversarial Text Generation	Haiyan Yin, Dingcheng Li, Xu Li, Ping Li	
	IAAI-20: AI in Emergency Readiness and Response	**Monday, 9:30-10:30, Sutton Center**	
	IAAI79: EMSContExt: EMS Protocol-Driven Concept Extraction for Cognitive Assistance in Emergency Response	Sarah Masud Preum, Sile Shu, Homa Alemzadeh, John A. Stankovic	
	IAAI144: Can Eruptions Be Predicted? Short-Term Prediction of Volcanic Eruptions via Attention-Based Long Short-Term Memory	Hiep V. Le, Tsuyoshi Murata, Masato Iguchi	
	IAAI129: Improving Efficiency of Volunteer-Based Food Rescue Operations	Zheyuan Ryan Shi, Yiwen Yuan, Kimberly Lo, Leah Lizarondo, Fei Fang	
	IAAI42: GRACE: Generating Summary Reports Automatically for Cognitive Assistance in Emergency Response	M Arif Rahman, Sarah M. Preum, Ronald Williams, Homa Alemzadeh, John A. Stankovic	
	AI for Social Impact Special Track 4	**Monday, 9:30 - 10:50, Sutton South**	
	AISI211: Automatically Neutralizing Subjective Bias in Text	Reid Pryzant, Richard Diehl Martinez, Nathan Dass, Sadao Kurohashi, Dan Jurafsky, Diyi Yang	
	AISI221: Faking Fairness via Stealthily Biased Sampling	Kazuto Fukuchi, Satoshi Hara, Takanori Maehara	
	AISI223: FairyTED: A Fair Rating Predictor for TED Talk Data	Rupam Acharyya, Shouman Das, Ankani Chattoraj, Md. Iftekhar Tanveer	
	AISI125: Protecting Geolocation Privacy of Photo Collections	Jinghan Yang, Ayan Chakrabarti, Yevgeniy Vorobeychik	
	Senior Member Track 3	**Monday, 9:30-10:45, Regent**	
Summary	SMT24: Developments in Multi-Agent Fair Allocation	Haris Aziz	
Summary	SMT307: Online Fair Division: A Survey	Martin Aleksandrov, Toby Walsh	
Blue Sky	SMT83: Collective Information	Ulle Endriss	
Blue Sky	SMT348: Assessing Ethical Thinking about AI	Judy Goldsmith, Emanuelle Burton, David M. Dueber, Beth Goldstein, Shannon Sampson, Michael D. Toland	
	Tech Session 4: Vision: Object Detection	**Monday, 9:30-10:45, Gramercy**	
Oral	1673: Deep Object Co-Segmentation via Spatial-Semantic Network Modulation	Kaihua Zhang, Jin Chen, Bo Liu, Qingshan Liu	
Oral	2445: F3Net: Fusion, Feedback and Focus for Salient Object Detection	Jun Wei, Shuhui Wang, Qingming Huang	
Poster	291: Exploit and Replace: An Asymmetrical Two-Stream Architecture for Versatile Light Field Saliency Detection	Yongri Piao, Zhengkun Rong, Miao Zhang, Huchuan Lu	
Poster	833: Region Normalization for Image Inpainting	Tao Yu, Zongyu Guo, Xin Jin, Shilin Wu, Zhibo Chen, Weiping Li, Zhizheng Zhang, Sen Liu	
Poster	870: Infrared-Visible Cross-Modal Person Re-Identification with an X Modality	Diangang Li, Xing Wei, Xiaopeng Hong, Yihong Gong	
Poster	951: Multi-Label Classification with Label Graph Superimposing	Ya Wang, Dongliang He, Fu Li, Xiang Long, Zhichao Zhou, Jinwen Ma, Shilei Wen	
Poster	1246: Reliability Does Matter: An End-to-End Weakly Supervised Semantic Segmentation Approach	Bingfeng Zhang, Jimin Xiao, Yunchao Wei, Mingjie Sun, Kaizhu Huang	
Poster	1288: POST: POlicy-Based Switch Tracking	Ning Wang, Wengang Zhou, Guojun Qi, Houqiang Li	
Poster	1435: Image Cropping with Composition and Saliency Aware Aesthetic Score Map	Yi Tu, Li Niu, Weijie Zhao, Dawei Cheng, Liqing Zhang	
Poster	1971: Importance-Aware Semantic Segmentation in Self-Driving with Discrete Wasserstein Training	Xiaofeng Liu, Yuzhuo Han, Song Bai, Yi Ge, Tianxing Wang, Xu Han, Site Li, Jane You, Jun Lu	
Poster	2063: Zero-Shot Sketch-Based Image Retrieval via Graph Convolution Network	Zhaolong Zhang, Yuejie Zhang, Rui Feng, Tao Zhang, Weiguo Fan	
Poster	2166: Hybrid Graph Neural Networks for Crowd Counting	Ao Luo, Fan Yang, Xin Li, Dong Nie, Zhicheng Jiao, Shangchen Zhou, Hong Cheng	
Poster	2580: Relation-Guided Spatial Attention and Temporal Refinement for Video-Based Person Re-Identification	Xingze Li, Wengang Zhou, Yun Zhou, Houqiang Li	
Poster	2925: Relation Network for Person Re-Identification	Hyunjong Park, Bumsub Ham	

Poster	3016: Rethinking the Image Fusion: A Fast Unified Image Fusion Network Based on Proportional Maintenance of Gradient and Intensity	Hao Zhang, Han Xu, Yang Xiao, Xiaojie Guo, Jiayi Ma
Poster	3320: Spatial-Temporal Gaussian Scale Mixture Modeling for Foreground Estimation	Qian Ning, Weisheng Dong, Fangfang Wu, Jinjian Wu, Jie Lin, Guangming Shi
Poster	5422: Finding Action Tubes with a Sparse-to-Dense Framework	Yuxi Li, Weiyao Lin, Tao Wang, John See, Rui Qian, Ning Xu, Limin Wang, Shugong Xu
Poster	6572: CircleNet for Hip Landmark Detection	Hai Wu, Hongtao Xie, Chuanbin Liu, Zheng-Jun Zha, Jun Sun, Yongdong Zhang
Poster	10261: Natural Image Matting via Guided Contextual Attention	Yaoyi Li, Hongtao Lu
	Tech Session 5: ML: Low-rank Factorization, Matrix Completion	**Monday, 9:30-10:45, Murray Hill**
Oral	5948: Polynomial Matrix Completion for Missing Data Imputation and Transductive Learning	Jicong Fan, Yuqian Zhang, Madeleine Udell
Oral	5986: Pursuit of Low-Rank Models of Time-Varying Matrices Robust to Sparse and Measurement Noise	Albert Akhriev, Jakub Marecek, Andrea Simonetto
Oral	8266: Robust Low-Rank Discovery of Data-Driven Partial Differential Equations	Jun Li, Gan Sun, Guoshuai Zhao, Li-wei H. Lehman
Poster	3143: Gradient Boosts the Approximate Vanishing Ideal	Hiroshi Kera, Yoshihiko Hasegawa
Poster	3183: Scalable Probabilistic Matrix Factorization with Graph-Based Priors	Jonathan Strahl, Jaakko Peltonen, Hiroshi Mamitsuka, Samuel Kaski
Poster	5577: Diversified Bayesian Nonnegative Matrix Factorization	Maoying Qiao, Jun Yu, Tongliang Liu, Xinchao Wang, Dacheng Tao
Poster	6096: An Implicit Form of Krasulina's k-PCA Update without the Orthonormality Constraint	Ehsan Amid, Manfred K. Warmuth
Poster	6549: Fast and Efficient Boolean Matrix Factorization by Geometric Segmentation	Changlin Wan, Wennan Chang, Tong Zhao, Mengya Li, Sha Cao, Chi Zhang
Poster	8186: LMLFM: Longitudinal Multi-Level Factorization Machine	Junjie Liang, Dongkuan Xu, Yiwei Sun, Vasant Honavar
Poster	9335: Robust Gradient-Based Markov Subsampling	Tieliang Gong, Quanhan Xi, Chen Xu
	Sister Conference Track 1	**Monday, 9:30-10:50, Nassau**
	SCT696: A Brief Sumary of the Lottery Ticket Hypothesis	Jonathan Frankle, Gintare Karolina Dziugaite, Daniel Roy, Michael Carbin
	SCT712: Energy and Policy Considerations for Modern Deep Learning Research	Emma Strubell, Ananya Ganesh, Andrew McCallum
	SCT705: Reasoning about Political Bias in Content Moderation	Shan Jiang, Ronald E. Robertson, Christo Wilson
	SCT697: Explaining Image Classifiers Generating Exemplars and Counter-Exemplars from Latent Representations	Riccardo Guidotti, Anna Monreale, Stan Matwin, Dino Pedreschi
	Tech Session 6: ML: Optimization, Neural Architecture Search, and Others	**Monday, 9:30-10:45, Concourse A**
Oral	3910: Robust Tensor Decomposition via Orientation Invariant Tubal Nuclear Norms	Andong Wang, Chao Li, Zhong Jin, Qibin Zhao
Oral	6497: Optimizing Nondecomposable Data Dependent Regularizers via Lagrangian Reparameterization Offers Significant Performance and Efficiency Gains	Sathya N. Ravi, Abhay Venkatesh, Glenn M. Fung, Vikas Singh
Poster	1980: An ADMM Based Framework for AutoML Pipeline Configuration	Sijia Liu, Parikshit Ram, Deepak Vijaykeerthy, Djallel Bouneffouf, Gregory Bramble, Horst Samulowitz, Dakuo Wang, Andrew Conn, Alexander Gray
Poster	2032: Associative Variational Auto-Encoder with Distributed Latent Spaces and Associators	Dae Ung Jo, ByeongJu Lee, Jongwon Choi, Haanju Yoo, Jin Young Choi
Poster	2041: Particle Filter Recurrent Neural Networks	Xiao Ma, Peter Karkus, David Hsu, Wee Sun Lee
Poster	2073: Light Multi-Segment Activation for Model Compression	Zhenhui Xu, Guolin Ke, Jia Zhang, Jiang Bian, Tie-Yan Liu
Poster	2295: Neural Graph Embedding for Neural Architecture Search	Wei Li, Shaogang Gong, Xiatian Zhu
Poster	2426: A Novel Model for Imbalanced Data Classification	Jian Yin, Chunjing Gan, Kaiqi Zhao, Xuan Lin, Zhe Quan, Zhi-Jie Wang
Poster	3274: Towards Accurate Low Bit-Width Quantization with Multiple Phase Adaptations	Zhaoyi Yan, Yemin Shi, Yaowei Wang, Mingkui Tan, Zheyang Li, Wenming Tan, Yonghong Tian
Poster	3787: RTN: Reparameterized Ternary Network	Yuhang Li, Xin Dong, Sai Qian Zhang, Haoli Bai, Yuanpeng Chen, Wei Wang
Poster	5069: Adapting to Smoothness: A More Universal Algorithm for Online Convex Optimization	Guanghui Wang, Shiyin Lu, Yao Hu, Lijun Zhang
Poster	6984: Learning Signed Network Embedding via Graph Attention	Yu Li, Yuan Tian, Jiawei Zhang, Yi Chang
Poster	7068: Dynamic Programming for Predict+Optimise	Emir Demirović, Peter J. Stuckey, James Bailey, Jeffrey Chan, Christopher Leckie, Kotagiri Ramamohanarao, Tias Guns
Poster	7092: Neural Inheritance Relation Guided One-Shot Layer Assignment Search	Rang Meng, Weijie Chen, Di Xie, Yuan Zhang, Shiliang Pu
Poster	7531: A Stochastic Derivative-Free Optimization Method with Importance Sampling: Theory and Learning to Control	Adel Bibi, El Houcine Bergou, Ozan Sener, Bernard Ghanem, Peter Richtárik
Poster	7665: Unsupervised Metric Learning with Synthetic Examples	Ujjal Kr Dutta, Mehrtash Harandi, C Chandra Sekhar
Poster	7866: Optimal Margin Distribution Learning in Dynamic Environments	Teng Zhang, Peng Zhao, Hai Jin
Poster	8011: Experimental Design for Optimization of Orthogonal Projection Pursuit Models	Mojmír Mutný, Johannes Kirschner, Andreas Krause
Poster	8615: Stochastic Approximate Gradient Descent via the Langevin Algorithm	Yixuan Qiu, Xiao Wang

		Tech Session 7: Planning	**Monday, 9:30-10:45, Gibson**
	Oral	7590: Planning and Acting with Non-Deterministic Events: Navigating between Safe States	Lukáš Chrpa, Jakub Gemrot, Martin Pilát
	Oral	7738: Generalized Planning with Positive and Negative Examples	Javier Segovia-Aguas, Sergio Jiménez, Anders Jonsson
	Oral	10305: Task and Motion Planning is PSPACE-Complete	William Vega-Brown, Nicholas Roy
	Poster	838: Refining HTN Methods via Task Insertion with Preferences	Zhanhao Xiao, Hai Wan, Hankui Hankz Zhuo, Andreas Herzig, Laurent Perrussel, Peilin Chen
	Poster	2140: Temporal Planning with Intermediate Conditions and Effects	Alessandro Valentini, Andrea Micheli, Alessandro Cimatti
	Poster	7719: Decidability and Complexity of Action-Based Temporal Planning over Dense Time	Nicola Gigante, Andrea Micheli, Angelo Montanari, Enrico Scala
		Tech Session 8: Humans and AI	**Monday, 9:30-10:45, Clinton**
	Oral	3901: Fine-Grained Machine Teaching with Attention Modeling	Jiacheng Liu, Xiaofeng Hou, Feilong Tang
	Oral	8773: Crowd-Assisted Disaster Scene Assessment with Human-AI Interactive Attention	Daniel (Yue) Zhang, Yifeng Huang, Yang Zhang, Dong Wang
	Oral	9127: Human-Machine Collaboration for Fast Land Cover Mapping	Caleb Robinson, Anthony Ortiz, Kolya Malkin, Blake Elias, Andi Peng, Dan Morris, Bistra Dilkina, Nebojsa Jojic
	Poster	1044: Graph-Based Decoding Model for Functional Alignment of Unaligned fMRI Data	Weida Li, Mingxia Liu, Fang Chen, Daoqiang Zhang
	Poster	1281: SADA: Semantic Adversarial Diagnostic Attacks for Autonomous Applications	Abdullah Hamdi, Matthias Müller, Bernard Ghanem
	Poster	3482: HirePeer: Impartial Peer-Assessed Hiring at Scale in Expert Crowdsourcing Markets	Yasmine Kotturi, Anson Kahng, Ariel D. Procaccia, Chinmay Kulkarni
	Poster	6132: Cost-Accuracy Aware Adaptive Labeling for Active Learning	Ruijiang Gao, Maytal Saar-Tsechansky
	Poster	6799: Learning with Unsure Responses	Kunihiro Takeoka, Yuyang Dong, Masafumi Oyamada
	Poster	8901: BAR - A Reinforcement Learning Agent for Bounding-Box Automated Refinement	Morgane Ayle, Jimmy Tekli, Julia Zini, Boulos El Asmar, Mariette Awad
		Tech Session 9: Games: Description Languages and NLP	**Monday, 9:30-10:45, Madison**
	Oral	4814: Deep Reinforcement Learning for General Game Playing	Adrian Goldwaser, Michael Thielscher
	Oral	6762: Narrative Planning Model Acquisition from Text Summaries and Descriptions	Thomas Hayton, Julie Porteous, João F. Ferreira, Alan Lindsay
	Oral	9405: Interactive Fiction Games: A Colossal Adventure	Matthew Hausknecht, Prithviraj Ammanabrolu, Marc-Alexandre Côté, Xingdi Yuan
	Poster	147: Fast and Robust Face-to-Parameter Translation for Game Character Auto-Creation	Tianyang Shi, Zhengxia Zou, Yi Yuan, Changjie Fan
	Poster	1123: Mastering Complex Control in MOBA Games with Deep Reinforcement Learning	Deheng Ye, Zhao Liu, Mingfei Sun, Bei Shi, Peilin Zhao, Hao Wu, Hongsheng Yu, Shaojie Yang, Xipeng Wu, Qingwei Guo, Qiaobo Chen, Yinyuting Yin, Hao Zhang, Tengfei Shi, Liang Wang, Qiang Fu, Wei Yang, Lanxiao Huang
	Poster	6731: A Character-Centric Neural Model for Automated Story Generation	Danyang Liu, Juntao Li , Meng-Hsuan Yu, Ziming Huang, Gongshen Liu, Dongyan Zhao, Rui Yan
	Poster	7370: Generating Interactive Worlds with Text	Angela Fan, Jack Urbanek, Pratik Ringshia, Emily Dinan, Emma Qian, Siddharth Karamcheti, Shrimai Prabhumoye, Douwe Kiela, Tim Rocktäschel, Arthur Szlam, Jason Weston
	Poster	8133: Draft and Edit: Automatic Storytelling Through Multi-Pass Hierarchical Conditional Variational Autoencoder	Meng-Hsuan Yu, Juntao Li, Danyang Liu, Bo Tang, Haisong Zhang, Dongyan Zhao, Rui Yan
		Tech Session 10: Social Choice and Voting	**Monday, 9:30-10:45, Morgan**
	Oral	1924: Peeking Behind the Ordinal Curtain: Improving Distortion via Cardinal Queries	Georgios Amanatidis, Georgios Birmpas, Aris Filos-Ratsikas, Alexandros A. Voudouris
	Oral	4456: Communication, Distortion, and Randomness in Metric Voting	David Kempe
	Oral	8425: The Impact of Selfishness in Hypergraph Hedonic Games	Alessandro Aloisio, Michele Flammini, Cosimo Vinci
	Poster	9217: An Analysis Framework for Metric Voting Based on LP Duality	David Kempe
		Student Abstracts	**Monday, 9:30-10:45, Bryant**
		Student Abstract Spotlights	

11:15am - 12:30pm

		Tech Session 1: NLP: Dialogue	**Monday, 11:15-12:30, Trianon**
	Oral	2108: RefNet: A Reference-Aware Network for Background Based Conversation	Chuan Meng, Pengjie Ren, Zhumin Chen, Christof Monz, Jun Ma, Maarten de Rijke
	Oral	4015: Thinking Globally, Acting Locally: Distantly Supervised Global-to-Local Knowledge Selection for Background Based Conversation	Pengjie Ren, Zhumin Chen, Christof Monz, Jun Ma, Maarten de Rijke
	Oral	8479: Mask & Focus: Conversation Modelling by Learning Concepts	Gaurav Pandey, Dinesh Raghu, Sachindra Joshi
	Poster	1681: Generating Persona Consistent Dialogues by Exploiting Natural Language Inference	Haoyu Song, Wei-Nan Zhang, Jingwen Hu, Ting Liu
	Poster	2694: Graph LSTM with Context-Gated Mechanism for Spoken Language Understanding	Linhao Zhang, Dehong Ma, Xiaodong Zhang, Xiaohui Yan, Houfeng Wang
	Poster	3644: An Annotated Corpus of Reference Resolution for Interpreting Common Grounding	Takuma Udagawa, Akiko Aizawa
	Poster	4018: Improving Knowledge-Aware Dialogue Generation via Knowledge Base Question Answering	Jian Wang, Junhao Liu, Wei Bi, Xiaojiang Liu, Kejing He, Ruifeng Xu, Min Yang
	Poster	6375: Dynamic Knowledge Routing Network for Target-Guided Open-Domain Conversation	Jinghui Qin, Zheng Ye, Jianheng Tang, Xiaodan Liang

Poster	6484: A Pre-Training Based Personalized Dialogue Generation Model with Persona-Sparse Data	Yinhe Zheng, Rongsheng Zhang, Xiaoxi Mao, Minlie Huang
Poster	9727: History-Adaption Knowledge Incorporation Mechanism for Multi-Turn Dialogue System	Yajing Sun, Yue Hu, Luxi Xing, Jing Yu, Yuqiang Xie
	Tech Session 2: Application: Human Modeling	**Monday, 11:15-12:30, Beekman**
Oral	2962: Variational Pathway Reasoning for EEG Emotion Recognition	Tong Zhang, Zhen Cui, Chunyan Xu, Wenming Zheng, Jian Yang
Oral	4411: M3ER: Multiplicative Multimodal Emotion Recognition Using Facial, Textual, and Speech Cues	Trisha Mittal, Uttaran Bhattacharya, Rohan Chandra, Aniket Bera, Dinesh Manocha
Oral	7155: An End-to-End Visual-Audio Attention Network for Emotion Recognition in User-Generated Videos	Sicheng Zhao, Yunsheng Ma, Yang Gu, Jufeng Yang, Tengfei Xing, Pengfei Xu, Runbo Hu, Hua Chai, Kurt Keutzer
Poster	2747: Instance-Adaptive Graph for EEG Emotion Recognition	Tengfei Song, Suyuan Liu, Wenming Zheng, Yuan Zong, Zhen Cui
Poster	2840: Learning Graph Convolutional Network for Skeleton-Based Human Action Recognition by Neural Searching	Wei Peng, Xiaopeng Hong, Haoyu Chen, Guoying Zhao
Poster	2895: STEP: Spatial Temporal Graph Convolutional Networks for Emotion Perception from Gaits	Uttaran Bhattacharya, Trisha Mittal, Rohan Chandra, Tanmay Randhavane, Aniket Bera, Dinesh Manocha
Poster	4055: Gait Recognition for Co-Existing Multiple People Using Millimeter Wave Sensing	Zhen Meng, Song Fu, Jie Yan, Hongyuan Liang, Anfu Zhou, Shilin Zhu, Huadong Ma, Jianhua Liu, Ning Yang
Poster	4234: Real-Time Emotion Recognition via Attention Gated Hierarchical Memory Network	Wenxiang Jiao, Michael R. Lyu, Irwin King
Poster	5897: End-to-End Game-Focused Learning of Adversary Behavior in Security Games	Andrew Perrault, Bryan Wilder, Eric Ewing, Aditya Mate, Bistra Dilkina, Milind Tambe
Poster	7952: Instance-Wise Dynamic Sensor Selection for Human Activity Recognition	Xiaodong Yang, Yiqiang Chen, Hanchao Yu, Yingwei Zhang, Wang Lu, Ruizhe Sun
	Tech Session 3: NLP: Machine Translation	**Monday, 11:15-12:30, Sutton North**
Oral	5874: Go from the General to the Particular: Multi-Domain Translation with Domain Transformation Networks	Yong Wang, Longyue Wang, Shuming Shi, Victor O.K. Li, Zhaopeng Tu
Oral	7185: Cross-Lingual Pre-Training Based Transfer for Zero-Shot Neural Machine Translation	Baijun Ji, Zhirui Zhang, Xiangyu Duan, Min Zhang, Boxing Chen, Weihua Luo
Poster	1194: Minimizing the Bag-of-Ngrams Difference for Non-Autoregressive Neural Machine Translation	Chenze Shao, Jinchao Zhang, Yang Feng, Fandong Meng, Jie Zhou
Poster	1249: GRET: Global Representation Enhanced Transformer	Rongxiang Weng, Haoran Wei, Shujian Huang, Heng Yu, Lidong Bing, Weihua Luo, Jiajun Chen
Poster	3254: Unsupervised Neural Dialect Translation with Commonality and Diversity Modeling	Yu Wan, Baosong Yang, Derek F. Wong, Lidia S. Chao, Haihua Du, Ben C.H. Ao
Poster	3822: Span-Based Neural Buffer: Towards Efficient and Effective Utilization of Long-Distance Context for Neural Sequence Models	Yangming Li, Kaisheng Yao, Libo Qin, Shuang Peng, Yijia Liu, Xiaolong Li
Poster	4363: MetaMT, a Meta Learning Method Leveraging Multiple Domain Data for Low Resource Machine Translation	Rumeng Li, Xun Wang, Hong Yu
Poster	4423: Evaluating the Cross-Lingual Effectiveness of Massively Multilingual Neural Machine Translation	Aditya Siddhant, Melvin Johnson, Henry Tsai, Naveen Ari, Jason Riesa, Ankur Bapna, Orhan Firat, Karthik Raman
Poster	4678: Revision in Continuous Space: Unsupervised Text Style Transfer without Adversarial Learning	Dayiheng Liu, Jie Fu, Yidan Zhang, Chris Pal, Jiancheng Lv
Poster	4774: Neuron Interaction Based Representation Composition for Neural Machine Translation	Jian LI, Xing Wang, Baosong Yang, Shuming Shi, Michael R. Lyu, Zhaopeng Tu
Poster	4794: Bridging the Gap between Pre-Training and Fine-Tuning for End-to-End Speech Translation	Chengyi Wang, Yu Wu, Shujie Liu, Zhenglu Yang, Ming Zhou
Poster	5499: Neural Simile Recognition with Cyclic Multitask Learning and Local Attention	Jiali Zeng, Linfeng Song, Jinsong Su, Jun Xie, Wei Song, Jiebo Luo
Poster	6422: Alignment-Enhanced Transformer for Constraining NMT with Pre-Specified Translations	Kai Song, Kun Wang, Heng Yu, Yue Zhang, Zhongqiang Huang, Weihua Luo, Xiangyu Duan, Min Zhang
Poster	7804: Modeling Fluency and Faithfulness for Diverse Neural Machine Translation	Yang Feng, Wanying Xie, Shuhao Gu, Chenze Shao, Wen Zhang, Zhengxin Yang, Dong Yu
Poster	7823: Acquiring Knowledge from Pre-Trained Model to Neural Machine Translation	Rongxiang Weng, Heng Yu, Shujian Huang, Shanbo Cheng, Weihua Luo
Poster	8033: Simplify-Then-Translate: Automatic Preprocessing for Black-Box Translation	Sneha Mehta, Bahareh Azarnoush, Boris Chen, Avneesh Saluja, Vinith Misra, Ballav Bihani, Ritwik Kumar
Poster	8617: Balancing Quality and Human Involvement: an Effective Approach to Interactive Neural Machine Translation	Tianxiang Zhao, Lemao Liu, Guoping Huang, Zhaopeng Tu, Huayang Li, Yingling Liu, Guiquan Liu, Shuming Shi
Poster	9262: One Homonym per Translation	Bradley Hauer, Grzegorz Kondrak
	IAAI-20 Invited Talk	**Monday, 11:15-12:15, Grand Ballroom**
Oral	**IAAI Invited Talk**	**David Cox, MIT-Watson AI Lab**
	AI for Social Impact Special Track 5	**Monday, 11:15-12:35, Sutton South**
	AISI130: Voice for the Voiceless: Active Sampling to Detect Comments Supporting the Rohingyas	Shriphani Palakodety, Ashiqur R. KhudaBukhsh, Jaime G. Carbonell
	AISI105: Capturing the Style of Fake News	Piotr Przybyła
	AISI213: Weak Supervision for Fake News Detection via Reinforcement Learning	Yaqing Wang, Weifeng Yang, Fenglong Ma, Jin Xu, Bin Zhong, Qiang Deng, Jing Gao
	AISI241: Hindi-English Hate Speech Detection: Author Profiling, Debiasing and Practical Perspectives	Shivang Chopra, Ramit Sawhney, Puneet Mathur, Rajiv Ratn Shah
	Senior Member Track 4	**Monday, 11:15-12:30, Regent**

Summ ary	SMT133: Let's Learn their Language? A Case for Planning with Automata-Network Languages from Model Checking	Jorg Hoffmann, Holger Hermanns, Michaela Klauck, Marcel Steinmetz, Erez Karpas, Daniele Magazzeni
Blue Sky	SMT255: Back to the Future for Dialogue Research *(Blue Sky Winner)*	Philip R. Cohen
Blue Sky	SMT369: Unveiling Hidden Intentions *(Blue Sky Winner)*	Gerardo Ocampo Diaz, Vincent Ng
	Tech Session 4: Vision: 3D	**Monday, 11:15-12:30, Gramercy**
Oral	558: ZoomNet: Part-Aware Adaptive Zooming Neural Network for 3D Object Detection	Zhenbo Xu, Wei Zhang, Xiaoqing Ye, Xiao Tan, Wei Yang, Shilei Wen, Errui Ding, Ajin Meng, Liusheng Huang
Oral	1339: 3D Shape Completion with Multi-View Consistent Inference	Tao Hu, Zhizhong Han, Matthias Zwicker
Poster	57: Adaptive Unimodal Cost Volume Filtering for Deep Stereo Matching	Youmin Zhang, Yimin Chen, Xiao Bai, Suihanjin Yu, Kun Yu, Zhiwei Li, Kuiyuan Yang
Poster	498: Attention-Based View Selection Networks for Light-Field Disparity Estimation	Yu-Ju Tsai, Yu-Lun Liu, Ming Ouhyoung, Yung-Yu Chuang
Poster	909: Geometry Sharing Network for 3D Point Cloud Classification and Segmentation	Mingye Xu, Zhipeng Zhou, Yu Qiao
Poster	1559: Deep Camouflage Images	Qing Zhang, Gelin Yin, Yongwei Nie, Wei-Shi Zheng
Poster	1576: Pointwise Rotation-Invariant Network with Adaptive Sampling and 3D Spherical Voxel Convolution	Yang You, Yujing Lou, Qi Liu, Yu-Wing Tai, Lizhuang Ma, Cewu Lu, Weiming Wang
Poster	1829: Cycle-CNN for Colorization Towards Real Monochrome-Color Camera Systems	Xuan Dong, Weixin Li, Xiaojie Wang, Yunhong Wang
Poster	2226: Patchy Image Structure Classification Using Multi-Orientation Region Transform	Xiaohan Yu, Yang Zhao, Yongsheng Gao, Shengwu Xiong, Xiaohui Yuan
Poster	2913: A Generalized Framework for Edge-Preserving and Structure-Preserving Image Smoothing	Wei Liu, Pingping Zhang, Yinjie Lei, Xiaolin Huang, Jie Yang, Ian Reid
Poster	3214: Planar Prior Assisted PatchMatch Multi-View Stereo	Qingshan Xu, Wenbing Tao
Poster	3217: Learning Inverse Depth Regression for Multi-View Stereo with Correlation Cost Volume	Qingshan Xu, Wenbing Tao
Poster	3934: FD-GAN: Generative Adversarial Networks with Fusion-Discriminator for Single Image Dehazing	Yu Dong, Yihao Liu, He Zhang, Shifeng Chen, Yu Qiao
Poster	4063: Human Synthesis and Scene Compositing	Mihai Zanfir, Elisabeta Oneata, Alin-Ionut Popa, Andrei Zanfir, Cristian Sminchisescu
Poster	4075: Shape-Oriented Convolution Neural Network for Point Cloud Analysis	Chaoyi Zhang, Yang Song, Lina Yao, Weidong Cai
Poster	5440: Realistic Face Reenactment via Self-Supervised Disentangling of Identity and Pose	Xianfang Zeng, Yusu Pan, Mengmeng Wang, Jiangning Zhang, Yong Liu
Poster	6416: High-Order Residual Network for Light Field Super-Resolution	Nan Meng, Xiaofei Wu, Jianzhuang Liu, Edmund Y. Lam
Poster	7703: Region-Adaptive Dense Network for Efficient Motion Deblurring	Kuldeep Purohit, A.N. Rajagopalan
Poster	10157: REST: Performance Improvement of a Black Box Model via RL-Based Spatial Transformation	Jae Myung Kim, Hyungjin Kim, Chanwoo Park, Jungwoo Lee
	Tech Session 5: ML: Neural Nets Theory, Models and Algorithms	**Monday, 11:15-12:30, Murray Hill**
Oral	2179: Towards Better Forecasting by Fusing Near and Distant Future Visions	Jiezhu Cheng, Kaizhu Huang, Zibin Zheng
Oral	9804: Differential Equation Units: Learning Functional Forms of Activation Functions from Data	MohamadAli Torkamani, Shiv Shankar, Amirmohammad Rooshenas, Phillip Wallis
Poster	509: Learning-Based Efficient Graph Similarity Computation via Multi-Scale Convolutional Set Matching	Yunsheng Bai, Hao Ding, Ken Gu, Yizhou Sun, Wei Wang
Poster	564: Channel Pruning Guided by Classification Loss and Feature Importance	Jinyang Guo, Wanli Ouyang, Dong Xu
Poster	831: Dynamical System Inspired Adaptive Time Stepping Controller for Residual Network Families	Yibo Yang, Jianlong Wu, Hongyang Li, Xia Li, Tiancheng Shen, Zhouchen Lin
Poster	1040: Uncertainty-Aware Deep Classifiers Using Generative Models	Murat Sensoy, Lance Kaplan, Federico Cerutti, Maryam Saleki
Poster	1907: Reinforcing Neural Network Stability with Attractor Dynamics	Hanming Deng, Yang Hua, Tao Song, Zhengui Xue, Ruhui Ma, Neil Robertson, Haibing Guan
Poster	2046: Joint Modeling of Local and Global Temporal Dynamics for Multivariate Time Series Forecasting with Missing Values	Xianfeng Tang, Huaxiu Yao, Yiwei Sun, Charu Aggarwal, Prasenjit Mitra, Suhang Wang
Poster	3463: Weighted Automata Extraction from Recurrent Neural Networks via Regression on State Spaces	Takamasa Okudono, Masaki Waga, Taro Sekiyama, Ichiro Hasuo
Poster	3933: Efficient Neural Architecture Search via Proximal Iterations	Quanming Yao, Ju Xu, Wei-Wei Tu, Zhanxing Zhu
Poster	4191: Representing Closed Transformation Paths in Encoded Network Latent Space	Marissa C. Connor, Christopher J. Rozell
Poster	5173: Towards Oracle Knowledge Distillation with Neural Architecture Search	Minsoo Kang, Jonghwan Mun, Bohyung Han
Poster	5667: Stable Learning via Sample Reweighting	Zheyan Shen, Peng Cui, Tong Zhang, Kun Kuang
Poster	5688: System Identification with Time-Aware Neural Sequence Models	Thomas Demeester
Poster	6879: Building Calibrated Deep Models via Uncertainty Matching with Auxiliary Interval Predictors	Jayaraman J. Thiagarajan, Bindya Venkatesh, Prasanna Sattigeri, Peer-Timo Bremer
Poster	7152: Variational Inference for Sparse Gaussian Process Modulated Hawkes Process	Rui Zhang, Christian Walder, Marian-Andrei Rizoiu

Poster	7207: A Skip-Connected Evolving Recurrent Neural Network for Data Stream Classification under Label Latency Scenario	Monidipa Das, Mahardhika Pratama, Jie Zhang, Yew Soon Ong
Poster	9184: InvNet: Encoding Geometric and Statistical Invariances in Deep Generative Models	Ameya Joshi, Minsu Cho, Viraj Shah, Balaji Pokuri, Soumik Sarkar, Baskar Ganapathysubramanian, Chinmay Hegde
Poster	10104: Adversarial Dynamic Shapelet Networks	Qianli Ma, Wanqing Zhuang, Sen Li, Desen Huang, Garrison W. Cottrell
	Sister Conference Track 2	**Monday, 11:15-12:35, Nassau**
	SCT699: A Commentary on the Unsupervised Learning of Disentangled Representations	Francesco Locatello, Stefan Bauer, Mario Lucic, Gunnar Rätsch, Sylvain Gelly, Bernhard Schölkopf, Olivier Bachem
	SCT701: Interactive Scene Generation via Scene Graphs with Attributes	Oron Ashual, Lior Wolf
	SCT700: Designing Evaluation Rules that are Robust to Strategic Behavior	Jon Kleinberg, Manish Raghavan
	SCT702: Ranking and Rating Rankings and Ratings	Jingyan Wang, Nihar B. Shah
	Tech Session 6: ML: Unsupervised and Semi-supervised Learning, Clustering	**Monday, 11:15-12:30, Concourse A**
Oral	5090: Multi-View Clustering in Latent Embedding Space	Man-Sheng Chen, Ling Huang, Chang-Dong Wang, Dong Huang
Oral	6689: Multi-View Multiple Clusterings Using Deep Matrix Factorization	Shaowei Wei, Jun Wang, Guoxian Yu, Carlotta Domeniconi, Xiangliang Zhang
Poster	476: Beyond Unfolding: Exact Recovery of Latent Convex Tensor Decomposition under Reshuffling	Chao Li, Mohammad Emtiyaz Khan, Zhun Sun, Gang Niu, Bo Han, Shengli Xie, Qibin Zhao
Poster	591: Learning from the Past: Continual Meta-Learning with Bayesian Graph Neural Networks	Yadan Luo, Zi Huang, Zheng Zhang, Ziwei Wang, Mahsa Baktashmotlagh, Yang Yang
Poster	1440: Sparsity-Inducing Binarized Neural Networks	Peisong Wang, Xiangyu He, Gang Li, Tianli Zhao, Jian Cheng
Poster	1491: Weakly Supervised Disentanglement by Pairwise Similarities	Junxiang Chen, Kayhan Batmanghelich
Poster	1602: Generative-Discriminative Complementary Learning	Yanwu Xu, Mingming Gong, Junxiang Chen, Tongliang Liu, Kun Zhang, Kayhan Batmanghelich
Poster	2012: Random Fourier Features via Fast Surrogate Leverage Weighted Sampling	Fanghui Liu, Xiaolin Huang, Yudong Chen, Jie Yang, Johan A.K. Suykens
Poster	2262: Tensor-SVD Based Graph Learning for Multi-View Subspace Clustering	Quanxue Gao, Wei Xia, Zhizhen Wan, Deyan Xie, Pu Zhang
Poster	3076: Going Deep: Graph Convolutional Ladder-Shape Networks	Ruiqi Hu, Shirui Pan, Guodong Long, Qinghua Lu, Liming Zhu, Jing Jiang
Poster	3089: Divide-and-Conquer Learning with Nyström: Optimal Rate and Algorithm	Rong Yin, Yong Liu, Lijing Lu, Weiping Wang, Dan Meng
Poster	3134: Label Enhancement with Sample Correlations via Low-Rank Representation	Haoyu Tang, Jihua Zhu, Qinghai Zheng, Jun Wang, Shanmin Pang, Zhongyu Li
Poster	3380: Maximum Likelihood Embedding of Logistic Random Dot Product Graphs	Luke O'Connor, Muriel Medard, Soheil Feizi
Poster	3751: Shared Generative Latent Representation Learning for Multi-View Clustering	Ming Yin, Weitian Huang, Junbin Gao
Poster	4001: Unified Graph and Low-Rank Tensor Learning for Multi-View Clustering	Jianlong Wu, Xingxu Xie, Liqiang Nie, Zhouchen Lin, Hongbin Zha
Poster	4588: Co-GCN for Multi-View Semi-Supervised Learning	Shu Li, Wen-Tao Li, Wei Wang
Poster	6002: Infinite ShapeOdds: Nonparametric Bayesian Models for Shape Representations	Wei Xing, Shireen Elhabian, Robert M. Kirby, Ross T. Whitaker, Shandian Zhe
Poster	7460: Heterogeneous Transfer Learning with Weighted Instance-Correspondence Data	Yuwei He, Xiaoming Jin, Guiguang Ding, Yuchen Guo, Jungong Han, Jiyong Zhang, Sicheng Zhao
Poster	8143: Capsule Routing via Variational Bayes	Fabio De Sousa Ribeiro, Georgios Leontidis, Stefanos Kollias
	Tech Session 7: Planning	**Monday, 11:15-12:30, Gibson**
Oral	5922: Reshaping Diverse Planning	Michael Katz, Shirin Sohrabi
Oral	5932: Top-Quality Planning: Finding Practically Useful Sets of Best Plans	Michael Katz, Shirin Sohrabi, Octavian Udrea
Oral	7425: A New Approach to Plan-Space Explanation: Analyzing Plan-Property Dependencies in Oversubscription Planning	Rebecca Eifler, Michael Cashmore, Jörg Hoffmann, Daniele Magazzeni, Marcel Steinmetz
Poster	3849: Time-Inconsistent Planning: Simple Motivation Is Hard to Find	Fedor V. Fomin, Torstein J. F. Strømme
Poster	4919: Symbolic Top-K Planning	David Speck, Robert Mattmüller, Bernhard Nebel
Poster	9719: Active Goal Recognition	Maayan Shvo, Sheila A. McIlraith
	Tech Session 8: Constraint Satisfaction and Optimization	**Monday, 11:15-12:30, Clinton**
Oral	4359: Grammar Filtering for Syntax-Guided Synthesis	Kairo Morton, William Hallahan, Elven Shum, Ruzica Piskac, Mark Santolucito
Oral	5807: Chain Length and CSPs Learnable with Few Queries	Christian Bessiere, Clément Carbonnel, George Katsirelos,
Oral	7649: Finding Most Compatible Phylogenetic Trees over Multi-State Characters	Tuukka Korhonen, Matti Järvisalo
Poster	3007: Fastened CROWN: Tightened Neural Network Robustness Certificates	Zhaoyang Lyu, Ching-Yun Ko, Zhifeng Kong, Ngai Wong, Dahua Lin, Luca Daniel
Poster	5483: An Effective Hard Thresholding Method Based on Stochastic Variance Reduction for Nonconvex Sparse Learning	Guannan Liang, Qianqian Tong, Chunjiang Zhu, Jinbo Bi
Poster	7428: D-SPIDER-SFO: A Decentralized Optimization Algorithm with Faster Convergence Rate for Nonconvex Problems	Taoxing Pan, Jun Liu, Jie Wang
	Tech Session 9: Logic and KR: Inference and Reasoning	**Monday, 11:15-12:30, Madison**

Oral	6200: Logics for Sizes with Union or Intersection	Caleb Kisby, Saúl A. Blanco, Alex Kruckman, Lawrence S. Moss
Oral	7458: Deciding Acceptance in Incomplete Argumentation Frameworks	Andreas Niskanen, Daniel Neugebauer, Matti Järvisalo, Jörg Rothe
Oral	10320: Parameterised Resource-Bounded ATL	Natasha Alechina, Stéphane Demri, Brian Logan
Poster	4321: Forgetting an Argument	Ringo Baumann, Dov Gabbay, Odinaldo Rodrigues
Poster	5123: Aggregation of Perspectives Using the Constellations Approach to Probabilistic Argumentation	Anthony Hunter, Kawsar Noor
Poster	5378: Revisiting the Foundations of Abstract Argumentation – Semantics Based on Weak Admissibility and Weak Defense	Ringo Baumann, Gerhard Brewka, Markus Ulbricht
	Tech Session 10: Fair Allocation	**Monday, 11:15-12:30, Morgan**
Oral	3250: Multi-Type Resource Allocation with Partial Preferences	Haibin Wang, Sujoy Sikdar, Xiaoxi Guo, Lirong Xia, Yongzhi Cao, Hanpin Wang
Oral	9110: The Complexity of Computing Maximin Share Allocations on Graphs	Gianluigi Greco, Francesco Scarcello
Poster	6344: Bounded Incentives in Manipulating the Probabilistic Serial Rule	Zihe Wang, Zhide Wei, Jie Zhang

2:00 - 3:15pm

	Tech Session 1: NLP: Dialogue	**Monday, 2-3:15, Trianon**
Oral	5400: DCR-Net: A Deep Co-Interactive Relation Network for Joint Dialog Act Recognition and Sentiment Classification	Libo Qin, Wanxiang Che, Yangming Li, Minheng Ni, Ting Liu
Oral	9168: ALOHA: Artificial Learning of Human Attributes for Dialogue Agents	Aaron W. Li, Veronica Jiang, Steven Y. Feng, Julia Sprague, Wei Zhou, Jesse Hoey
Oral	9649: End-to-End Trainable Non-Collaborative Dialog System	Yu Li, Kun Qian, Weiyan Shi, Zhou Yu
Poster	3925: Learning from Easy to Complex: Adaptive Multi-Curricula Learning for Neural Dialogue Generation	Hengyi Cai, Hongshen Chen, Cheng Zhang, Yonghao Song, Xiaofang Zhao, Yangxi Li, Dongsheng Duan, Dawei Yin
Poster	4746: MOSS: End-to-End Dialog System Framework with Modular Supervision	Weixin Liang, Youzhi Tian, Chengcai Cheng, Zhou Yu
Poster	6086: Who did They Respond to? Conversation Structure Modeling Using Masked Hierarchical Transformer	Henghui Zhu, Feng Nan, Zhiguo Wang, Ramesh Nallapati, Bing Xiang
Poster	6421: Predictive Engagement: An Efficient Metric for Automatic Evaluation of Open-Domain Dialogue Systems	Sarik Ghazarian, Ralph Weischedel, Aram Galstyan, Nanyun Peng
Poster	8277: Posterior-GAN: Towards Informative and Coherent Response Generation with Posterior Generative Adversarial Network	Shaoxiong Feng, Hongshen Chen, Kan Li, Dawei Yin
Poster	9069: AvgOut: A Simple Output-Probability Measure to Eliminate Dull Responses	Tong Niu, Mohit Bansal
Poster	9586: Detecting Asks in Social Engineering Attacks: Impact of Linguistic and Structural Knowledge	Bonnie J. Dorr, Archna Bhatia, Adam Dalton, Brodie Mather, Bryanna Hebenstreit, Sashank Santhanam, Zhuo Cheng, Samira Shaikh, Alan Zemel, Tomek Strzalkowski
	Tech Session 2: Application: Web Search, Ranking and Recommendation	**Monday, 2-3:15, Beekman**
Oral	4427: COBRA: Context-Aware Bernoulli Neural Networks for Reputation Assessment	Leonit Zeynalvand, Tie Luo, Jie Zhang
Oral	5595: Interpretable Rumor Detection in Microblogs by Attending to User Interactions	Ling Min Serena Khoo, Hai Leong Chieu, Zhong Qian, Jing Jiang
Oral	8471: Learning to Crawl	Utkarsh Upadhyay, Róbert Busa-Fekete, Wojciech Kotlowski, Dávid Pál, Balázs Szörényi
Poster	2107: Attention-Over-Attention Field-Aware Factorization Machine	Zhibo Wang, Jinxin Ma, Yongquan Zhang, Qian Wang, Ju Ren, Peng Sun
Poster	2511: A Knowledge-Aware Attentional Reasoning Network for Recommendation	Qiannan Zhu, Xiaofei Zhou, Jia Wu, Jianlong Tan, Li Guo
Poster	2863: Efficient Heterogeneous Collaborative Filtering without Negative Sampling for Recommendation	Chong Chen, Min Zhang, Yongfeng Zhang, Weizhi Ma, Yiqun Liu, Shaoping Ma
Poster	4688: Question-Driven Purchasing Propensity Analysis for Recommendation	Long Chen, Ziyu Guan, Qibin Xu, Qiong Zhang, Huan Sun, Guangyue Lu, Deng Cai
Poster	5202: Revisiting Graph Based Collaborative Filtering: A Linear Residual Graph Convolutional Network Approach	Lei Chen, Le Wu, Richang Hong, Kun Zhang, Meng Wang
Poster	7366: Multi-Feature Discrete Collaborative Filtering for Fast Cold-Start Recommendation	Yang Xu, Lei Zhu, Zhiyong Cheng, Jingjing Li, Jiande Sun
Poster	9007: Towards Comprehensive Recommender Systems: Time-Aware Unified Recommendations Based on Listwise Ranking of Implicit Cross-Network Data	Dilruk Perera, Roger Zimmermann
	Tech Session 3: NLP: Machine Translation / Vision: Language + Vision	**Monday, 2-3:15, Sutton North**
Oral	7124: Neural Machine Translation with Joint Representation	Yanyang Li, Qiang Wang, Tong Xiao, Tongran Liu, Jingbo Zhu
Oral	7640: Reinforced Curriculum Learning on Pre-Trained Neural Machine Translation Models	Mingjun Zhao, Haijiang Wu, Di Niu, Xiaoli Wang
Poster	2068: Person Tube Retrieval via Language Description	Hehe Fan, Yi Yang
Poster	2192: Learning Long- and Short-Term User Literal-Preference with Multimodal Hierarchical Transformer Network for Personalized Image Caption	Wei Zhang, Yue Ying, Pan Lu, Hongyuan Zha
Poster	2394: Multimodal Structure-Consistent Image-to-Image Translation	Che-Tsung Lin, Yen-Yi Wu, Po-Hao Hsu, Shang-Hong Lai

Poster	2595: Context Modulated Dynamic Networks for Actor and Action Video Segmentation with Language Queries	Hao Wang, Cheng Deng, Fan Ma, Yi Yang
Poster	2834: Harnessing GANs for Zero-Shot Learning of New Classes in Visual Speech Recognition	Yaman Kumar, Dhruva Sahrawat, Shubham Maheshwari, Debanjan Mahata, Amanda Stent, Yifang Yin, Rajiv Ratn Shah, Roger Zimmermann
Poster	4133: Unicoder-VL: A Universal Encoder for Vision and Language by Cross-Modal Pre-Training	Gen Li, Nan Duan, Yuejian Fang, Ming Gong, Daxin Jiang
Poster	4793: Multi-Speaker Video Dialog with Frame-Level Temporal Localization	Qiang Wang, Pin Jiang, Zhiyi Guo, Yahong Han, Zhou Zhao
Poster	6643: Learning Relationships between Text, Audio, and Video via Deep Canonical Correlation for Multimodal Language Analysis	Zhongkai Sun, Prathusha K. Sarma, William A Sethares, Yingyu Liang
Poster	7330: Multi-Source Domain Adaptation for Visual Sentiment Classification	Chuang Lin, Sicheng Zhao, Lei Meng, Tat-Seng Chua
Poster	7891: Hearing Lips: Improving Lip Reading by Distilling Speech Recognizers	Ya Zhao, Rui Xu, Xinchao Wang, Peng Hou, Haihong Tang, Mingli Song
Poster	8168: Modality-Balanced Models for Visual Dialogue	Hyounghun Kim, Hao Tan, Mohit Bansal
IAAI-20: AI for Recommendation Engines		**Monday, 2-3:10, Sutton Center**
	IAAI196: Accelerating Ranking in E-Commerce Search Engines through Contextual Factor Selection (Deployed)	Anxiang Zeng, Han Yu, Qing Da, Yusen Zan, Chunyan Miao
	IAAI161: Understanding Chat Messages for Sticker Recommendation in Messaging Apps (Deployed)	Abhishek Laddha, Mohamed Hanoosh, Debdoot Mukherjee, Parth Patwa, Ankur Narang
	IAAI139: Implicit Skills Extraction Using Document Embedding and Its Use in Job Recommendation	Akshay Gugnani, Hemant Misra
	IAAI21: Online Evaluation of Audiences for Targeted Advertising via Bandit Experiments	Tong Geng, Xiliang Lin, Harikesh S. Nair
AI for Social Impact Special Track 6		**Monday, 2-3:05, Sutton South**
	AISI121: Linguistic Fingerprints of Internet Censorship: The Case of Sina Weibo	Kei Yin Ng, Anna Feldman, Jing Peng
	AISI116: Interactive Learning with Proactive Cognition Enhancement for Crowd Workers	Jing Zhang, Huihui Wang, Shunmei Meng, Victor S. Sheng
	AISI232: Neural Approximate Dynamic Programming for On-Demand Ride-Pooling	Sanket Shah, Meghna Lowalekar, Pradeep Varakantham
	AISI87: Spatio-Temporal Attention-Based Neural Network for Credit Card Fraud Detection	Dawei Cheng, Sheng Xiang, Chencheng Shang, Yiyi Zhang, Fangzhou Yang, Liqing Zhang
Tech Session 4: ML: RL and Muliagent RL		**Monday, 2-3:15, Regent**
Oral	193: Google Research Football: A Novel Reinforcement Learning Environment	Karol Kurach, Anton Raichuk, Piotr Stańczyk, Michał Zając, Olivier Bachem, Lasse Espeholt, Carlos Riquelme, Damien Vincent, Marcin Michalski, Olivier Bousquet, Sylvain Gelly
Oral	9980: Parameterized Indexed Value Function for Efficient Exploration in Reinforcement Learning	Tian Tan, Zhihan Xiong, Vikranth R. Dwaracherla
Poster	1059: Count-Based Exploration with the Successor Representation	Marlos C. Machado, Marc G. Bellemare, Michael Bowling
Poster	1506: Mega-Reward: Achieving Human-Level Play without Extrinsic Rewards	Yuhang Song, Jianyi Wang, Thomas Lukasiewicz, Zhenghua Xu, Shangtong Zhang, Andrzej Wojcicki, Mai Xu
Poster	2312: Learning Agent Communication under Limited Bandwidth by Message Pruning	Hangyu Mao, Zhengchao Zhang, Zhen Xiao, Zhibo Gong, Yan Ni
Poster	2727: An Intrinsically-Motivated Approach for Learning Highly Exploring and Fast Mixing Policies	Mirco Mutti, Marcello Restelli
Poster	2879: Atari-HEAD: Atari Human Eye-Tracking and Demonstration Dataset	Ruohan Zhang, Calen Walshe, Zhuode Liu, Lin Guan, Karl S. Muller, Jake A. Whritner, Luxin Zhang, Mary M. Hayhoe, Dana H. Ballard
Poster	3573: Infinity Learning: Learning Markov Chains from Aggregate Steady-State Observations	Jianfei Gao, Mohamed A. Zahran, Amit Sheoran, Sonia Fahmy, Bruno Ribeiro
Poster	3684: Towards Fine-Grained Temporal Network Representation via Time-Reinforced Random Walk	Zhining Liu, Dawei Zhou, Yada Zhu, Jinjie Gu, Jingrui He
Poster	4058: Variational Adversarial Kernel Learned Imitation Learning	Fan Yang, Alina Vereshchaka, Yufan Zhou, Changyou Chen, Wen Dong
Poster	4139: Reinforcement Learning with Perturbed Rewards	Jingkang Wang, Yang Liu, Bo Li
Poster	4239: Exploratory Combinatorial Optimization with Reinforcement Learning	Thomas D. Barrett, William R. Clements, Jakob N. Foerster, A. I. Lvovsky
Poster	4289: Spatiotemporally Constrained Action Space Attacks on Deep Reinforcement Learning Agents	Xian Yeow Lee, Sambit Ghadai, Kai Liang Tan, Chinmay Hegde, Soumik Sarkar
Poster	4599: Object-Oriented Dynamics Learning through Multi-Level Abstraction	Guangxiang Zhu, Jianhao Wang, Zhizhou Ren, Zichuan Lin, Chongjie Zhang
Poster	5040: Stealthy and Efficient Adversarial Attacks against Deep Reinforcement Learning	Jianwen Sun, Tianwei Zhang, Xiaofei Xie, Lei Ma, Yan Zheng, Kangjie Chen, Yang Liu
Poster	6146: A Forest from the Trees: Generation through Neighborhoods	Yang Li, Tianxiang Gao, Junier B. Oliva
Poster	6195: Reinforcement Learning When All Actions Are Not Always Available	Yash Chandak, Georgios Theocharous, Blossom Metevier, Philip S. Thomas
Tech Session 5: Vision: Applications		**Monday, 2-3:15, Gramercy**
Oral	361: Learning to Generate Maps from Trajectories	Sijie Ruan, Cheng Long, Jie Bao, Chunyang Li, Zisheng Yu, Ruiyuan Li, Yuxuan Liang, Tianfu He, Yu Zheng

Oral	2347: KPNet: Towards Minimal Face Detector	Guanglu Song, Yu Liu, Yuhang Zang, Xiaogang Wang, Biao Leng, Qingsheng Yuan
Oral	3004: DeepDualMapper: A Gated Fusion Network for Automatic Map Extraction using Aerial Images and Trajectories	Hao Wu, Hanyuan Zhang, Xinyu Zhang, Weiwei Sun, Baihua Zheng, Yuning Jiang
Poster	46: Geometry-Constrained Car Recognition Using a 3D Perspective Network	Rui Zeng, Zongyuan Ge, Simon Denman, Sridha Sridharan, Clinton Fookes
Poster	311: Accurate Structured-Text Spotting for Arithmetical Exercise Correction	Yiqing Hu, Yan Zheng, Hao Liu, Deqiang Jiang, Yinsong Liu, Bo Ren
Poster	1050: Attention Based Data Hiding with Generative Adversarial Networks	Chong Yu
Poster	3550: Decoupled Attention Network for Text Recognition	Tianwei Wang, Yuanzhi Zhu, Lianwen Jin, Canjie Luo, Xiaoxue Chen, Yaqiang Wu, Qianying Wang, Mingxiang Cai
Poster	3861: Dynamic Graph Representation for Occlusion Handling in Biometrics	Min Ren, Yunlong Wang, Zhenan Sun, Tieniu Tan
Poster	5085: Fine-Grained Fashion Similarity Learning by Attribute-Specific Embedding Network	Zhe Ma, Jianfeng Dong, Zhongzi Long, Yao Zhang, Yuan He, Hui Xue, Shouling Ji
Poster	6479: Semi-Supervised Hierarchical Recurrent Graph Neural Network for City-Wide Parking Availability Prediction	Weijia Zhang, Hao Liu, Yanchi Liu, Jingbo Zhou, Hui Xiong
	Tech Session 6: Vision: Image Processing, Imaging and Segmentation	**Monday, 2-3:15, Murray Hill**
Oral	331: Gated Fully Fusion for Semantic Segmentation	Xiangtai Li, Houlong Zhao, Lei Han, Yunhai Tong, Shaohua Tan, Kuiyuan Yang
Oral	930: Separate In Latent Space: Unsupervised Single Image Layer Separation	Yunfei Liu, Feng Lu
Oral	1088: An Integrated Enhancement Solution for 24-Hour Colorful Imaging	Feifan Lv, Yinqiang Zheng, Yicheng Li, Feng Lu
Poster	134: R2MRF: Defocus Blur Detection via Recurrently Refining Multi-Scale Residual Features	Chang Tang, Xinwang Liu, Xinzhong Zhu, En Zhu, Kun Sun, Pichao Wang, Lizhe Wang, Albert Zomaya
Poster	1482: Shape-Aware Organ Segmentation by Predicting Signed Distance Maps	Yuan Xue, Hui Tang, Zhi Qiao, Guanzhong Gong, Yong Yin, Zhen Qian, Chao Huang, Wei Fan, Xiaolei Huang
Poster	3796: Patch Proposal Network for Fast Semantic Segmentation of High-Resolution Images	Tong Wu, Zhenzhen Lei, Bingqian Lin, Cuihua Li, Yanyun Qu, Yuan Xie
Poster	4016: Efficient Residual Dense Block Search for Image Super-Resolution	Dehua Song, Chang Xu, Xu Jia, Yiyi Chen, Chunjing Xu, Yunhe Wang
Poster	4299: When AWGN-Based Denoiser Meets Real Noises	Yuqian Zhou, Jianbo Jiao, Haibin Huang, Yang Wang, Jue Wang, Honghui Shi, Thomas Huang
Poster	5438: FFA-Net: Feature Fusion Attention Network for Single Image Dehazing	Xu Qin, Zhilin Wang, Yuanchao Bai, Xiaodong Xie, Huizhu Jia
Poster	6019: Tensor FISTA-Net for Real-Time Snapshot Compressive Imaging	Xiaochen Han, Bo Wu, Zheng Shou, Xiao-Yang Liu, Yimeng Zhang, Linghe Kong
	Sister Conference Track 3	**Monday, 2-3:20, Nassau**
	SCT703: Restraining Bolts for Reinforcement Learning Agents	Giuseppe De Giacomo, Luca Iocchi, Marco Favorito, Fabio Patrizi
	SCT704: Algorithm-in-the-Loop Decision Making	Ben Green, Yiling Chen
	SCT710: Identifiability from a Combination of Observations and Experiments	Sanghack Lee, Juan D. Correa, Elias Bareinboim
	SCT708: The St. Petersburg Paradox: A Fresh Algorithmic Perspective	Ardavan S. Nobandegani, Thomas R. Shultz
	Tech Session 7: ML: Unsupervised and Semi-supervised Learning, Clustering	**Monday, 2-3:15, Concourse A**
Oral	4849: Multi-View Spectral Clustering with Optimal Neighborhood Laplacian Matrix	Sihang Zhou, Xinwang Liu, Jiyuan Liu, Xifeng Guo, Yawei Zhao, En Zhu, Yongping Zhai, Jianping Yin, Wen Gao
Oral	7164: A Cluster-Weighted Kernel K-Means Method for Multi-View Clustering	Jing Liu, Fuyuan Cao, Xiao-Zhi Gao, Liqin Yu, Jiye Liang
Poster	1406: Deep Embedded Complementary and Interactive Information for Multi-View Classification	Jinglin Xu, Wenbin Li, Xinwang Liu, Dingwen Zhang, Ji Liu, Junwei Han
Poster	2320: Lifelong Spectral Clustering	Gan Sun, Yang Cong, Qianqian Wang, Jun Li, Yun Fu
Poster	2545: Large-Scale Multi-View Subspace Clustering in Linear Time	Zhao Kang, Wangtao Zhou, Zhitong Zhao, Junming Shao, Meng Han, Zenglin Xu
Poster	2803: Adversarial Localized Energy Network for Structured Prediction	Pingbo Pan, Ping Liu, Yan Yan, Tianbao Yang, Yi Yang
Poster	3093: Effective Data Augmentation with Multi-Domain Learning GANs	Shin'ya Yamaguchi, Sekitoshi Kanai, Takeharu Eda
Poster	3373: An Ordinal Data Clustering Algorithm with Automated Distance Learning	Yiqun Zhang, Yiu-ming Cheung
Poster	4216: Hierarchically Clustered Representation Learning	Su-Jin Shin, Kyungwoo Song, Il-Chul Moon
Poster	4495: Robust Self-Weighted Multi-View Projection Clustering	Beilei Wang, Yun Xiao, Zhihui Li, Xuanhong Wang, Xiaojiang Chen, Dingyi Fang
Poster	4514: CGD: Multi-View Clustering via Cross-View Graph Diffusion	Chang Tang, Xinwang Liu, Xinzhong Zhu, En Zhu, Zhigang Luo, Lizhe Wang, Wen Gao
Poster	6294: Inefficiency of K-FAC for Large Batch Size Training	Linjian Ma, Gabe Montague, Jiayu Ye, Zhewei Yao, Amir Gholami, Kurt Keutzer, Michael W. Mahoney
Poster	6424: Independence Promoted Graph Disentangled Networks	Yanbei Liu, Xiao Wang, Shu Wu, Zhitao Xiao

Poster	6618: DARB: A Density-Adaptive Regular-Block Pruning for Deep Neural Networks	Ao Ren, Tao Zhang, Yuhao Wang, Sheng Lin, Peiyan Dong, Yen-kuang Chen, Yuan Xie, Yanzhi Wang
Poster	6641: Outlier Detection Ensemble with Embedded Feature Selection	Li Cheng, Yijie Wang, Xinwang Liu, Bin Li
Poster	7182: Deep Embedded Non-Redundant Clustering	Lukas Miklautz, Dominik Mautz, Muzaffer Can Altinigneli, Christian Böhm, Claudia Plant
Poster	7734: Fairness for Robust Log Loss Classification	Ashkan Rezaei, Rizal Fathony, Omid Memarrast, Brian Ziebart
Poster	9315: IVFS: Simple and Efficient Feature Selection for High Dimensional Topology Preservation	Xiaoyun Li, Chengxi Wu, Ping Li
Poster	9616: Preserving Ordinal Consensus: Towards Feature Selection for Unlabeled Data	Jun Guo, Heng Chang, Wenwu Zhu
	Tech Session 8: Planning: Learning and Uncertainty	**Monday, 2-3:15, Gibson**
Oral	4419: The Choice Function Framework for Online Policy Improvement	Murugeswari Issakkimuthu, Alan Fern, Prasad Tadepalli
Oral	5664: Online Planner Selection with Graph Neural Networks and Adaptive Scheduling	Tengfei Ma, Patrick Ferber, Siyu Huo, Jie Chen, Michael Katz
Oral	8066: Reinforcement Learning of Risk-Constrained Policies in Markov Decision Processes	Tomáš Brázdil, Krishnendu Chatterjee, Petr Novotný, Jiří Vahala
Poster	2290: Regret Minimisation in Multi-Armed Bandits Using Bounded Arm Memory	Arghya Roy Chaudhuri, Shivaram Kalyanakrishnan
Poster	3531: A Near-Optimal Change-Detection Based Algorithm for Piecewise-Stationary Combinatorial Semi-Bandits	Huozhi Zhou, Lingda Wang, Lav R. Varshney, Ee-Peng Lim
Poster	3786: Monte-Carlo Tree Search in Continuous Action Spaces with Value Gradients	Jongmin Lee, Wonseok Jeon, Geon-Hyeong Kim, Kee-Eung Kim
Poster	4837: Fatigue-Aware Bandits for Dependent Click Models	Junyu Cao, Wei Sun, Zuo-Jun (Max) Shen, Markus Ettl
Poster	6812: Safe Linear Stochastic Bandits	Kia Khezeli, Eilyan Bitar
Poster	7141: Observe Before Play: Multi-Armed Bandit with Pre-Observations	Jinhang Zuo, Xiaoxi Zhang, Carlee Joe-Wong
Poster	9314: Point-Based Methods for Model Checking in Partially Observable Markov Decision Processes	Maxime Bouton, Jana Tumova, Mykel J. Kochenderfer
	Tech Session 9: Constraint Satisfaction and Optimization	**Monday, 2-3:15, Clinton**
Oral	3210: Explaining Propagators for String Edit Distance Constraints	Felix Winter, Nysret Musliu, Peter J. Stuckey
Oral	5868: Using Approximation within Constraint Programming to Solve the Parallel Machine Scheduling Problem with Additional Unit Resources	Arthur Godet, Xavier Lorca, Emmanuel Hebrard, Gilles Simonin
Oral	7439: Modelling Diversity of Solutions	Linnea Ingmar, Maria Garcia de la Banda, Peter J. Stuckey, Guido Tack
Poster	665: Clustering-Aware Multiple Graph Matching via Decayed Pairwise Matching Composition	Tianzhe Wang, Zetian Jiang, Junchi Yan
Poster	1117: Incremental Symmetry Breaking Constraints for Graph Search Problems	Avraham Itzhakov, Michael Codish
Poster	2306: Finding Good Subtrees for Constraint Optimization Problems Using Frequent Pattern Mining	Hongbo Li, Jimmy H.M. Lee, He Mi, Minghao Yin
Poster	3896: SPAN: A Stochastic Projected Approximate Newton Method	Xunpeng Huang, Xianfeng Liang, Zhengyang Liu, Lei Li, Yue Yu, Yitan Li
Poster	5838: A Particle Swarm Based Algorithm for Functional Distributed Constraint Optimization Problems	Moumita Choudhury, Saaduddin Mahmud, Md. Mosaddek Khan
Poster	7111: Representative Solutions for Bi-Objective Optimisation	Emir Demirović, Nicolas Schwind
	Tech Session 10: Knowledge Representation and Reasoning	**Monday, 2-3:15, Madison**
Oral	2150: Efficient Model-Based Diagnosis of Sequential Circuits	Alexander Feldman, Ingo Pill, Franz Wotawa, Ion Matei, Johan de Kleer
Oral	4154: Proportional Belief Merging	Adrian Haret, Martin Lackner, Andreas Pfandler, Johannes P. Wallner
Oral	8121: Model-Based Diagnosis with Uncertain Observations	Dean Cazes, Meir Kalech
Poster	1114: A Framework for Measuring Information Asymmetry	Yakoub Salhi
Poster	7426: Author Name Disambiguation on Heterogeneous Information Network with Adversarial Representation Learning	Haiwen Wang, Ruijie Wang, Chuan Wen, Shuhao Li, Yuting Jia, Weinan Zhang, Xinbing Wang
Poster	8986: InteractE: Improving Convolution-Based Knowledge Graph Embeddings by Increasing Feature Interactions	Shikhar Vashishth, Soumya Sanyal, Vikram Nitin, Nilesh Agrawal, Partha Talukdar
	Tech Session 11: Game Theory	**Monday, 2-3:15, Morgan**
Oral	3035: All-Pay Bidding Games on Graphs	Guy Avni, Rasmus Ibsen-Jensen, Josef Tkadlec
Oral	3271: Complexity of Computing the Shapley Value in Games with Externalities	Oskar Skibski
Oral	5441: ODSS: Efficient Hybridization for Optimal Coalition Structure Generation	Narayan Changder, Samir Aknine, Sarvapali Ramchurn, Animesh Dutta
Poster	3356: Defending with Shared Resources on a Network	Minming Li, Long Tran-Thanh, Xiaowei Wu
Poster	4068: Bidding in Smart Grid PDAs: Theory, Analysis and Strategy	Susobhan Ghosh, Sujit Gujar, Praveen Paruchuri, Easwar Subramanian, Sanjay P. Bhat
	Tech Session 12: Multiagent Systems	**Monday, 2-3:15, Bryant**
Oral	1598: Partner Selection for the Emergence of Cooperation in Multi-Agent Systems Using Reinforcement Learning	Nicolas Anastassacos, Steve Hailes, Mirco Musolesi
Oral	3951: An Operational Semantics for True Concurrency in BDI Agent Systems	Lavindra de Silva

Oral	4880: AATEAM: Achieving the Ad Hoc Teamwork by Employing the Attention Mechanism	Shuo Chen, Ewa Andrejczuk, Zhiguang Cao, Jie Zhang
Poster	1604: Modeling Probabilistic Commitments for Maintenance Is Inherently Harder Than for Achievement	Qi Zhang, Edmund H. Durfee, Satinder Singh
Poster	1798: Clouseau: Generating Communication Protocols from Commitments	Munindar P. Singh, Amit K. Chopra
Poster	2099: From Few to More: Large-Scale Dynamic Multiagent Curriculum Learning	Weixun Wang, Tianpei Yang, Yong Liu, Jianye Hao, Xiaotian Hao, Yujing Hu, Yingfeng Chen, Changjie Fan, Yang Gao
Poster	2801: Distributed Stochastic Gradient Descent with Event-Triggered Communication	Jemin George, Prudhvi Gurram
Poster	5506: Continuous Multiagent Control Using Collective Behavior Entropy for Large-Scale Home Energy Management	Jianwen Sun, Yan Zheng, Jianye Hao, Zhaopeng Meng, Yang Liu
Poster	5682: Learning to Communicate Implicitly by Actions	Zheng Tian, Shihao Zou, Ian Davies, Tim Warr, Lisheng Wu, Haitham Bou Ammar, Jun Wang
Poster	9165: EPOC: Efficient Perception via Optimal Communication	Masoumeh Heidari Kapourchali, Bonny Banerjee

3:45 - 5:15pm

	Tech Session 1: NLP: Text Classification	Monday, 3:45-5:15, Trianon
Oral	2311: Solving Sequential Text Classification as Board-Game Playing	Chen Qian, Fuli Feng, Lijie Wen, Zhenpeng Chen, Li Lin, Yanan Zheng, Tat-Seng Chua
Oral	5485: Multiple Positional Self-Attention Network For Text Classification	Biyun Dai, Jinlong Li, Ruoyi Xu
Oral	9032: Multi-Scale Self-Attention for Text Classification	Qipeng Guo, Xipeng Qiu, Pengfei Liu, Xiangyang Xue, Zheng Zhang
Poster	1150: Target-Aspect-Sentiment Joint Detection for Aspect-Based Sentiment Analysis	Hai Wan, Yufei Yang, Jianfeng Du, Yanan Liu, Kunxun Qi, Jeff Z. Pan
Poster	1753: Message Passing Attention Networks for Document Understanding	Giannis Nikolentzos, Antoine J.-P. Tixier, Michalis Vazirgiannis
Poster	1846: Improving Domain-Adapted Sentiment Classification by Deep Adversarial Mutual Learning	Qianming Xue, Wei Zhang, Hongyuan Zha
Poster	2014: Hyperbolic Interaction Model for Hierarchical Multi-Label Classification	Boli Chen, Xin Huang, Lin Xiao, Zixin Cai, Liping Jing
Poster	3194: CAWA: An Attention-Network for Credit Attribution	Saurav Manchanda, George Karypis
Poster	3953: Be Relevant, Non-Redundant, Timely: Deep Reinforcement Learning for Real-Time Event Summarization	Min Yang, Chengming Li, Fei Sun, Zhou Zhao, Ying Shen, Chenglin Wu
Poster	3955: Simultaneous Learning of Pivots and Representations for Cross-Domain Sentiment Classification	Liang Li, Weirui Ye, Mingsheng Long, Yateng Tang, Jin Xu, Jianmin Wang
Poster	4027: Do Not Have Enough Data? Deep Learning to the Rescue!	Ateret Anaby-Tavor, Boaz Carmeli, Esther Goldbraich, Amir Kantor, George Kour, Segev Shlomov, Naama Tepper, Naama Zwerdling
Poster	5573: Latent Emotion Memory for Multi-Label Emotion Classification	Hao Fei, Yue Zhang, Yafeng Ren, Donghong Ji
Poster	6349: Dialog State Tracking with Reinforced Data Augmentation	Yichun Yin, Lifeng Shang, Xin Jiang, Xiao Chen, Qun Liu
Poster	7162: Multi-Label Patent Categorization with Non-Local Attention-Based Graph Convolutional Network	Pingjie Tang, Meng Jiang, Bryan (Ning) Xia, Jed W. Pitera, Jeffrey Welser, Nitesh V. Chawla
Poster	7642: Knowing What, How and Why: A Near Complete Solution for Aspect-Based Sentiment Analysis	Haiyun Peng, Lu Xu, Lidong Bing, Fei Huang, Wei Lu, Luo Si
Poster	9388: Dual Adversarial Co-Learning for Multi-Domain Text Classification	Yuan Wu, Yuhong Guo
Poster	9423: Infusing Knowledge into the Textual Entailment Task Using Graph Convolutional Networks	Pavan Kapanipathi, Veronika Thost, Siva Sankalp Patel, Spencer Whitehead, Ibrahim Abdelaziz, Avinash Balakrishnan, Maria Chang, Kshitij Fadnis, Chulaka Gunasekara, Bassem Makni, Nicholas Mattei, Kartik Talamadupula, Achille Fokoue
Poster	9625: ICD Coding from Clinical Text Using Multi-Filter Residual Convolutional Neural Network	Fei Li, Hong Yu

	Tech Session 2: Application: Social and Information Networks	Monday, 3:45-5:15, Beekman
Oral	1888: Topic Enhanced Sentiment Spreading Model in Social Networks Considering User Interest	Xiaobao Wang, Di Jin, Katarzyna Musial, Jianwu Dang
Oral	4802: D2D-LSTM: LSTM-Based Path Prediction of Content Diffusion Tree in Device-to-Device Social Networks	Heng Zhang, Xiaofei Wang, Jiawen Chen, Chenyang Wang, Jianxin Li
Oral	5776: Reinforcement Learning Based Meta-Path Discovery in Large-Scale Heterogeneous Information Networks	Guojia Wan, Bo Du, Shirui Pan, Gholamreza Haffari
Poster	1307: PEIA: Personality and Emotion Integrated Attentive Model for Music Recommendation on Social Media Platforms	Tiancheng Shen, Jia Jia, Yan Li, Yihui Ma, Yaohua Bu, Hanjie Wang, Bo Chen, Tat-Seng Chua, Wendy Hall
Poster	2214: MetaLight: Value-Based Meta-Reinforcement Learning for Traffic Signal Control	Xinshi Zang, Huaxiu Yao, Guanjie Zheng, Nan Xu, Kai Xu, Zhenhui Li
Poster	4475: Mining Unfollow Behavior in Large-Scale Online Social Networks via Spatial-Temporal Interaction	Haozhe Wu, Zhiyuan Hu, Jia Jia, Yaohua Bu, Xiangnan He, Tat-Seng Chua
Poster	4723: MuMod: A Micro-Unit Connection Approach for Hybrid-Order Community Detection	Ling Huang, Hong-Yang Chao, Guangqiang Xie
Poster	4804: Graph Convolutional Networks with Markov Random Field Reasoning for Social Spammer Detection	Yongji Wu, Defu Lian, Yiheng Xu, Le Wu, Enhong Chen
Poster	5041: A Variational Point Process Approach for Social Event Sequences	Zhen Pan, Zhenya Huang, Defu Lian, Enhong Chen
Poster	6145: Exponential Family Graph Embeddings	Abdulkadir Çelikkanat, Fragkiskos D. Malliaros

Poster	6270: Scalable and Generalizable Social Bot Detection through Data Selection	Kai-Cheng Yang, Onur Varol, Pik-Mai Hui, Filippo Menczer
Poster	6392: Graduate Employment Prediction with Bias	Teng Guo, Feng Xia, Shihao Zhen, Xiaomei Bai, Dongyu Zhang, Zitao Liu, Jiliang Tang
Poster	8387: Rumor Detection on Social Media with Bi-Directional Graph Convolutional Networks	Tian Bian, Xi Xiao, Tingyang Xu, Peilin Zhao, Wenbing Huang, Yu Rong, Junzhou Huang
	Tech Session 3: NLP: Information Extraction, Retrieval and Text Mining	**Monday, 3:45-5:15, Sutton North**
Oral	6492: Simultaneously Linking Entities and Extracting Relations from Biomedical Text without Mention-Level Supervision	Trapit Bansal, Pat Verga, Neha Choudhary, Andrew McCallum
Oral	6937: Multi-View Consistency for Relation Extraction via Mutual Information and Structure Prediction	Amir Pouran Ben Veyseh, Franck Dernoncourt, My Thai, Dejing Dou, Thien Huu Nguyen
Oral	7566: Integrating Deep Learning with Logic Fusion for Information Extraction	Wenya Wang, Sinno Jialin Pan
Poster	1741: Corpus Wide Argument Mining – a Working Solution	Liat Ein-Dor, Eyal Shnarch, Lena Dankin, Alon Halfon, Benjamin Sznajder, Ariel Gera, Carlos Alzate, Martin Gleize, Leshem Choshen, Yufang Hou, Yonatan Bilu, Ranit Aharonov, Noam Slonim
Poster	4003: Relatedness and TBox-Driven Rule Learning in Large Knowledge Bases	Giuseppe Pirrò
Poster	5388: Span Model for Open Information Extraction on Accurate Corpus	Junlang Zhan, Hai Zhao
Poster	5816: Relation Extraction with Convolutional Network over Learnable Syntax-Transport Graph	Kai Sun, Richong Zhang, Yongyi Mao, Samuel Mensah, Xudong Liu
Poster	6356: Understanding Medical Conversations with Scattered Keyword Attention and Weak Supervision from Responses	Xiaoming Shi, Haifeng Hu, Wanxiang Che, Zhongqian Sun, Ting Liu, Junzhou Huang
Poster	6597: Asymmetrical Hierarchical Networks with Attentive Interactions for Interpretable Review-Based Recommendation	Xin Dong, Jingchao Ni, Wei Cheng, Zhengzhang Chen, Bo Zong, Dongjin Song, Yanchi Liu, Haifeng Chen, Gerard de Melo
Poster	6756: Relational Graph Neural Network with Hierarchical Attention for Knowledge Graph Completion	Zhao Zhang, Fuzhen Zhuang, Hengshu Zhu, Zhiping Shi, Hui Xiong, Qing He
Poster	7067: Table2Analysis: Modeling and Recommendation of Common Analysis Patterns for Multi-Dimensional Data	Mengyu Zhou, Tao Wang, Pengxin Ji, Shi Han, Dongmei Zhang
Poster	7166: A Joint Model for Definition Extraction with Syntactic Connection and Semantic Consistency	Amir Pouran Ben Veyseh, Franck Dernoncourt, Dejing Dou, Thien Huu Nguyen
Poster	7408: Distilling Knowledge from Well-Informed Soft Labels for Neural Relation Extraction	Zhenyu Zhang, Xiaobo Shu, Bowen Yu, Tingwen Liu, Jiapeng Zhao, Quangang Li, Li Guo
Poster	7441: Cross-Lingual Low-Resource Set-to-Description Retrieval for Global E-Commerce	Juntao Li , Chang Liu, Jian Wang, Lidong Bing, Hongsong Li, Xiaozhong Liu, Dongyan Zhao, Rui Yan
Poster	7577: Zero-Resource Cross-Lingual Named Entity Recognition	M Saiful Bari, Shafiq Joty, Prathyusha Jwalapuram
Poster	8857: Weakly Supervised Sequence Tagging from Noisy Rules	Esteban Safranchik, Shiying Luo, Stephen H. Bach
Poster	9160: Associating Natural Language Comment and Source Code Entities	Sheena Panthaplackel, Milos Gligoric, Raymond J. Mooney, Junyi Jessy Li
Poster	9399: CASIE: Extracting Cybersecurity Event Information from Text	Taneeya Satyapanich, Francis Ferraro, Tim Finin
	IAAI-20: AI in Utilities	**Monday, 3:45-5:05, Sutton Center**
	IAAI99: PIDS: An Intelligent Electric Power Management Platform (Deployed)	Yongqing Zheng, Han Yu, Yuliang Shi, Kun Zhang, Shuai Zhen, Lizhen Cui, Cyril Leung, Chunyan Miao
	IAAI149: Automatic Building and Labeling of HD Maps with Deep Learning	Mahdi Elhousni, Yecheng Lyu, Ziming Zhang, Xinming Huang
	IAAI166: A Machine Learning Approach to Identity Houses with High Lead Tap Water Concentrations	Seyedsaeed Hajiseyedjavadi, Michael Blackhurst, Hassan Ali Karimi
	IAAI19: Analog Accelerator for Simulation and Diagnostics	Alexander Feldman, Ion Matei, Emil Totev, Johan de Kleer
	IAAI57: Day-Ahead Forecasting of Losses in the Distribution Network (Deployed)	Nisha Dalal, Martin Mølnå, Mette Herrem, Magne Røen, Odd Erik Gundersen
	AI for Social Impact Special Track: Invited Talks 2	**Monday, 3:45-5:15, Sutton South**
	Title TBD	Kevin Leyton-Brown (University of British Columbia, Canada)
	AI for Sustainable Social Impact: Emerging Market Perspectives on Inclusive Talent Building for High-Impact Use Cases	Olubayo Adekanmbi (MTN, Nigeria)
	Tech Session 4: ML: Probabilistic Graphical Models and Probabilistic Methods	**Monday, 3:45-5:15, Regent**
Oral	5549: Exchangeable Generative Models with Flow Scans	Christopher M. Bender, Kevin O'Connor, Yang Li, Juan Jose Garcia, Junier Oliva, Manzil Zaheer
Oral	7148: An Efficient Explorative Sampling Considering the Generative Boundaries of Deep Generative Neural Networks	Giyoung Jeon, Haedong Jeong, Jaesik Choi
Oral	7196: Introducing Probabilistic Bézier Curves for N-Step Sequence Prediction	Ronny Hug, Wolfgang Hübner, Michael Arens
Poster	1718: Rank3DGAN: Semantic Mesh Generation Using Relative Attributes	Yassir Saquil, Qun-Ce Xu, Yong-Liang Yang, Peter Hall
Poster	1759: Structured Output Learning with Conditional Generative Flows	You Lu, Bert Huang
Poster	2873: Fragmentation Coagulation Based Mixed Membership Stochastic Blockmodel	Zheng Yu, Xuhui Fan, Marcin Pietrasik, Marek Reformat
Poster	3285: ODIN: ODE-Informed Regression for Parameter and State Inference in Time-Continuous Dynamical Systems	Philippe Wenk, Gabriele Abbati, Michael A. Osborne, Bernhard Schölkopf, Andreas Krause, Stefan Bauer

Poster	3314: Random Intersection Graphs and Missing Data	Dror Salti, Yakir Berchenko
Poster	4174: Correcting Predictions for Approximate Bayesian Inference	Tomasz Kuśmierczyk, Joseph Sakaya, Arto Klami
Poster	4640: Differentiable Algorithm for Marginalising Changepoints	Hyoungjin Lim, Gwonsoo Che, Wonyeol Lee, Hongseok Yang
Poster	5148: DeGAN : Data-Enriching GAN for Retrieving Representative Samples from a Trained Classifier	Sravanti Addepalli, Gaurav Kumar Nayak, Anirban Chakraborty, R. Venkatesh Babu
Poster	5225: Adversarial Disentanglement with Grouped Observations	Jozsef Nemeth
Poster	6005: A Multi-Channel Neural Graphical Event Model with Negative Evidence	Tian Gao, Dharmashankar Subramanian, Karthikeyan Shanmugam, Debarun Bhattacharjya, Nicholas Mattei
Poster	6216: Meta-Amortized Variational Inference and Learning	Mike Wu, Kristy Choi, Noah Goodman, Stefano Ermon
Poster	6825: Maximizing Overall Diversity for Improved Uncertainty Estimates in Deep Ensembles	Siddhartha Jain, Ge Liu, Jonas Mueller, David Gifford
Poster	6849: AlignFlow: Cycle Consistent Learning from Multiple Domains via Normalizing Flows	Aditya Grover, Christopher Chute, Rui Shu, Zhangjie Cao, Stefano Ermon
Poster	7214: Aggregated Gradient Langevin Dynamics	Chao Zhang, Jiahao Xie, Zebang Shen, Peilin Zhao, Tengfei Zhou, Hui Qian
Poster	8767: Vector Quantization-Based Regularization for Autoencoders	Hanwei Wu, Markus Flierl
	Tech Session 5: Vision: Deep Learning Methods	**Monday, 3:45-5:15, Gramercy**
Oral	368: URNet : User-Resizable Residual Networks with Conditional Gating Module	Sangho Lee, Simyung Chang, Nojun Kwak
Oral	2180: SK-Net: Deep Learning on Point Cloud via End-to-End Discovery of Spatial Keypoints	Weikun Wu, Yan Zhang, David Wang, Yunqi Lei
Oral	5824: Feature Variance Regularization: A Simple Way to Improve the Generalizability of Neural Networks	Ranran Huang, Hanbo Sun, Ji Liu, Lu Tian, Li Wang, Yi Shan, Yu Wang
Poster	402: Beyond Dropout: Feature Map Distortion to Regularize Deep Neural Networks	Yehui Tang, Yunhe Wang, Yixing Xu, Boxin Shi, Chao Xu, Chunjing Xu, Chang Xu
Poster	403: Pruning from Scratch	Yulong Wang, Xiaolu Zhang, Lingxi Xie, Jun Zhou, Hang Su, Bo Zhang, Xiaolin Hu
Poster	697: Hierarchical Knowledge Squeezed Adversarial Network Compression	Peng Li, Changyong Shu, Yuan Xie, Yanyun Qu, Hui Kong
Poster	1627: A Multi-Scale Approach for Graph Link Prediction	Lei Cai, Shuiwang Ji
Poster	1690: Binarized Neural Architecture Search	Hanlin Chen, Li'an Zhuo, Baochang Zhang, Xiawu Zheng, Jianzhuang Liu, David Doermann, Rongrong Ji
Poster	1848: Generate, Segment and Refine: Towards Generic Manipulation Segmentation	Peng Zhou, Bor-Chun Chen, Xintong Han, Mahyar Najibi, Abhinav Shrivastava, Ser Nam Lim, Larry S. Davis
Poster	2116: High Tissue Contrast MRI Synthesis Using Multi-Stage Attention-GAN for Glioma Segmentation	Mohammad Hamghalam, Baiying Lei, Tianfu Wang
Poster	2195: Linear Context Transform Block	Dongsheng Ruan, Jun Wen, Nenggan Zheng, Min Zheng
Poster	3316: DIANet: Dense-and-Implicit Attention Network	Zhongzhan Huang, Senwei Liang, Mingfu Liang, Haizhao Yang
Poster	4552: Online Knowledge Distillation with Diverse Peers	Defang Chen, Jian-Ping Mei, Can Wang, Yan Feng, Chun Chen
Poster	5679: EvolveGCN: Evolving Graph Convolutional Networks for Dynamic Graphs	Aldo Pareja, Giacomo Domeniconi, Jie Chen, Tengfei Ma, Toyotaro Suzumura, Hiroki Kanezashi, Tim Kaler, Tao B. Schardl, Charles E. Leiserson
Poster	5756: Compressed Self-Attention for Deep Metric Learning	Ziye Chen, Mingming Gong, Yanwu Xu, Chaohui Wang, Kun Zhang, Bo Du
Poster	8923: Structure-Aware Feature Fusion for Unsupervised Domain Adaptation	Qingchao Chen, Yang Liu
Poster	9018: ScaleNet - Improve CNNs through Recursively Rescaling Objects	Xingyi Li, Zhongang Qi, Xiaoli Z. Fern, Li Fuxin
	Tech Session 6: ML: Domain Adaptation, Adversarial Learning, Transfer Learning, Semi-Supervised Learning	**Monday, 3:45-5:15, Murray Hill**
Oral	4101: Residual Continual Learning	Janghyeon Lee, Donggyu Joo, Hyeong Gwon Hong, Junmo Kim
Oral	6006: Generalized Transportability: Synthesis of Experiments from Heterogeneous Domains	Sanghack Lee, Juan D. Correa, Elias Bareinboim
Oral	6189: Lifelong Learning with a Changing Action Set	Yash Chandak, Georgios Theocharous, Chris Nota, Philip S. Thomas
Poster	443: Learning Transferable Adversarial Examples via Ghost Networks	Yingwei Li, Song Bai, Yuyin Zhou, Cihang Xie, Zhishuai Zhang, Alan Yuille
Poster	467: Bi-Objective Continual Learning: Learning `New' While Consolidating `Known'	Xiaoyu Tao, Xiaopeng Hong, Xinyuan Chang, Yihong Gong
Poster	1081: Adversarial-Learned Loss for Domain Adaptation	Minghao Chen, Shuai Zhao, Haifeng Liu, Deng Cai
Poster	1084: Bi-Directional Generation for Unsupervised Domain Adaptation	Guanglei Yang, Haifeng Xia, Mingli Ding, Zhengming Ding
Poster	1273: Attribute Propagation Network for Graph Zero-Shot Learning	Lu Liu, Tianyi Zhou, Guodong Long, Jing Jiang, Chengqi Zhang
Poster	1460: Incremental Multi-Domain Learning with Network Latent Tensor Factorization	Adrian Bulat, Jean Kossaifi, Georgios Tzimiropoulos, Maja Pantic
Poster	2731: Learning from Weak-Label Data: A Deep Forest Expedition	Qian-Wei Wang, Liang Yang, Yu-Feng Li
Poster	3077: Quadruply Stochastic Gradient Method for Large Scale Nonlinear Semi-Supervised Ordinal Regression AUC Optimization	Wanli Shi, Bin Gu, Xiang Li, Heng Huang
Poster	3515: AdaFilter: Adaptive Filter Fine-Tuning for Deep Transfer Learning	Yunhui Guo, Yandong Li, Liqiang Wang, Tajana Rosing
Poster	4098: HoMM: Higher-Order Moment Matching for Unsupervised Domain Adaptation	Chao Chen, Zhihang Fu, Zhihong Chen, Sheng Jin, Zhaowei Cheng, Xinyu Jin, Xian-Sheng Hua
Poster	4422: Discriminative Adversarial Domain Adaptation	Hui Tang, Kui Jia

Poster	4960: Semi-Supervised Streaming Learning with Emerging New Labels	Yong-Nan Zhu, Yu-Feng Li
Poster	5605: Variational Metric Scaling for Metric-Based Meta-Learning	Jiaxin Chen, Li-Ming Zhan, Xiao-Ming Wu, Fu-Lai Chung
Poster	6530: Infomax Neural Joint Source-Channel Coding via Adversarial Bit Flip	Yuxuan Song, Minkai Xu, Lantao Yu, Hao Zhou, Shuo Shao, Yong Yu
Poster	9158: Distributed Primal-Dual Optimization for Online Multi-Task Learning	Peng Yang, Ping Li
	Sister Conference Track 4	**Monday, 3:45-5:05, Nassau**
	SCT706: Constraint Programming for an Efficient and Flexible Block Modeling Solver	Alex Lucía Mattenet, Ian Davidson, Siegfried Nijssen, Pierre Schaus
	SCT694: Learning Higher-Order Programs through Predicate Invention	Andrew Cropper, Rolf Morel, Stephen H. Muggleton
	SCT711: Abstraction and Refinement in Games with Dynamic Weighted Terrain	Nathan R. Sturtevant, Devon Sigurdson, Bjorn Taylor, Tim Gibson
	SCT709: Results on a Super Strong Exponential Time Hypothesis	Nikhil Vyas, Ryan Williams
	Tech Session 7: ML: Adversarial Learning	**Monday, 3:45-5:15, Concourse A**
Oral	6123: Invariant Representations through Adversarial Forgetting	Ayush Jaiswal, Daniel Moyer, Greg Ver Steeg, Wael AbdAlmageed, Premkumar Natarajan
Oral	6866: Robustness Certificates for Sparse Adversarial Attacks by Randomized Ablation	Alexander Levine, Soheil Feizi
Oral	9792: Hidden Trigger Backdoor Attacks	Aniruddha Saha, Akshayvarun Subramanya, Hamed Pirsiavash
Poster	1421: A New Ensemble Adversarial Attack Powered by Long-Term Gradient Memories	Zhaohui Che, Ali Borji, Guangtao Zhai, Suiyi Ling, Jing Li, Patrick Le Callet
Poster	2928: Towards Query-Efficient Black-Box Adversary with Zeroth-Order Natural Gradient Descent	Pu Zhao, Pin-Yu Chen, Siyue Wang, Xue Lin
Poster	2982: Regularized Training and Tight Certification for Randomized Smoothed Classifier with Provable Robustness	Huijie Feng, Chunpeng Wu, Guoyang Chen, Weifeng Zhang, Yang Ning
Poster	3351: A Frank-Wolfe Framework for Efficient and Effective Adversarial Attacks	Jinghui Chen, Dongruo Zhou, Jinfeng Yi, Quanquan Gu
Poster	3401: Improving the Robustness of Wasserstein Embedding by Adversarial PAC-Bayesian Learning	Daizong Ding, Mi Zhang, Xudong Pan, Min Yang, Xiangnan He
Poster	3716: Generate (Non-Software) Bugs to Fool Classifiers	Hiromu Yakura, Youhei Akimoto, Jun Sakuma
Poster	4466: Adversarially Robust Distillation	Micah Goldblum, Liam Fowl, Soheil Feizi, Tom Goldstein
Poster	4630: Universal Adversarial Training	Ali Shafahi, Mahyar Najibi, Zheng Xu, John Dickerson, Larry S. Davis, Tom Goldstein
Poster	5585: Seq2Sick: Evaluating the Robustness of Sequence-to-Sequence Models with Adversarial Examples	Minhao Cheng, Jinfeng Yi, Pin-Yu Chen, Huan Zhang, Cho-Jui Hsieh
Poster	6730: Generating Adversarial Examples for Holding Robustness of Source Code Processing Models	Huangzhao Zhang, Zhuo Li, Ge Li, Lei Ma, Yang Liu, Zhi Jin
Poster	6881: CD-UAP: Class Discriminative Universal Adversarial Perturbation	Chaoning Zhang, Philipp Benz, Tooba Imtiaz, In-So Kweon
Poster	7093: ACTIVETHIEF: Model Extraction Using Active Learning and Unannotated Public Data	Soham Pal, Yash Gupta, Aditya Shukla, Aditya Kanade, Shirish Shevade, Vinod Ganapathy
Poster	7442: Adversarial Attack on Deep Product Quantization Network for Image Retrieval	Yan Feng, Bin Chen, Tao Dai, Shu-Tao Xia
Poster	9198: Beyond Digital Domain: Fooling Deep Learning Based Recognition System in Physical World	Kaichen Yang, Tzungyu Tsai, Honggang Yu, Tsung-Yi Ho, Yier Jin
Poster	9260: Weighted-Sampling Audio Adversarial Example Attack	Xiaolei Liu, Kun Wan, Yufei Ding, Xiaosong Zhang, Qingxin Zhu
	Tech Session 8: Search	**Monday, 3:45-5:15, Gibson**
Oral	1282: Monte Carlo Tree Search in Continuous Spaces using Voronoi Optimistic Optimization with Regret Bounds	Beomjoon Kim, Kyungjae Lee, Sungbin Lim, Leslie Pack Kaelbling, Tomás Lozano-Pérez
Oral	8297: Accelerating and Improving AlphaZero Using Population Based Training	Ti-Rong Wu, Ting-Han Wei, I-Chen Wu
Oral	8308: How the Duration of the Learning Period Affects the Performance of Random Gradient Selection Hyper-Heuristics	Andrei Lissovoi, Pietro S. Oliveto, John Alasdair Warwicker
Poster	2263: Neural Architecture Search Using Deep Neural Networks and Monte Carlo Tree Search	Linnan Wang, Yiyang Zhao, Yuu Jinnai, Yuandong Tian, Rodrigo Fonseca
Poster	6317: Runtime Analysis of Somatic Contiguous Hypermutation Operators in MOEA/D Framework	Zhengxin Huang, Yuren Zhou
	Tech Session 9: Social Networks, Influence, and Homophily	**Monday, 3:45-5:15, Clinton**
Oral	3186: Balancing Spreads of Influence in a Social Network	Ruben Becker, Federico Corò, Gianlorenzo D'Angelo, Hugo Gilbert
Oral	5649: Adaptive Greedy versus Non-adaptive Greedy for Influence Maximization	Wei Chen, Binghui Peng, Grant Schoenebeck, Biaoshuai Tao
Oral	9004: Bursting the Filter Bubble: Fairness-Aware Network Link Prediction	Farzan Masrour, Tyler Wilson, Heng Yan, Pang-Ning Tan, Abdol-Hossein Esfahanian
Poster	1692: Convergence of Opinion Diffusion is PSPACE-Complete	Dmitry Chistikov, Grzegorz Lisowski, Mike Paterson, Paolo Turrini
Poster	1703: Adversarial Deep Network Embedding for Cross-Network Node Classification	Xiao Shen, Quanyu Dai, Fu-lai Chung, Wei Lu, Kup-Sze Choi
Poster	4623: Gradient Method for Continuous Influence Maximization with Budget-Saving Considerations	Wei Chen, Weizhong Zhang, Haoyu Zhao

Poster	5434: Bounds and Complexity Results for Learning Coalition-Based Interaction Functions in Networked Social Systems	Abhijin Adiga, Chris J. Kuhlman, Madhav V. Marathe, S. S. Ravi, Daniel J. Rosenkrantz, Richard E. Stearns, Anil Vullikanti
Poster	7620: Social Influence Does Matter: User Action Prediction for In-Feed Advertising	Hongyang Wang, Qingfei Meng, Ju Fan, Yuchen Li, Laizhong Cui, Xiaoman Zhao, Chong Peng, Gong Chen, Xiaoyong Du
Poster	8427: Type-Aware Anchor Link Prediction across Heterogeneous Networks Based on Graph Attention Network	Xiaoxue Li, Yanmin Shang, Yanan Cao, Yangxi Li, Jianlong Tan, Yanbing Liu
Poster	9225: FuzzE: Fuzzy Fairness Evaluation of Offensive Language Classifiers on African-American English	Anthony Rios
Poster	9926: Finding Minimum-Weight Link-Disjoint Paths with a Few Common Nodes	Binglin Tao, Mingyu Xiao, Jingyang Zhao
	Tech Session 10: Reasoning under Uncertainty	**Monday, 3:45-5:15, Madison**
Oral	4369: Deception through Half-Truths	Andrew Estornell, Sanmay Das, Yevgeniy Vorobeychik
Oral	6225: Gradient-Based Optimization for Bayesian Preference Elicitation	Ivan Vendrov, Tyler Lu, Qingqing Huang, Craig Boutilier
Oral	8051: A Calculus for Stochastic Interventions: Causal Effect Identification and Surrogate Experiments	Juan D. Correa, Elias Bareinboim
Poster	1394: Causal Transfer for Imitation Learning and Decision Making under Sensor-Shift	Jalal Etesami, Philipp Geiger
Poster	2193: Uncertainty-Aware Search Framework for Multi-Objective Bayesian Optimization	Syrine Belakaria, Aryan Deshwal, Nitthilan Kannappan Jayakodi, Janardhan Rao Doppa
Poster	3189: Recovering Causal Structures from Low-Order Conditional Independencies	Marcel Wienöbst, Maciej Liśkiewicz
Poster	3579: Reliable and Efficient Anytime Skeleton Learning	Rui Ding, Yanzhi Liu, Jingjing Tian, Zhouyu Fu, Shi Han, Dongmei Zhang
Poster	4209: Multi-Fidelity Multi-Objective Bayesian Optimization: An Output Space Entropy Search Approach	Syrine Belakaria, Aryan Deshwal, Janardhan Rao Doppa
Poster	4406: GaSPing for Utility	Mengyang Gu, Debarun Bhattacharjya, Dharmashankar Subramanian
Poster	4712: A Simultaneous Discover-Identify Approach to Causal Inference in Linear Models	Chi Zhang, Bryant Chen, Judea Pearl
Poster	4863: A Bayesian Approach for Estimating Causal Effects from Observational Data	Johan Pensar, Topi Talvitie, Antti Hyttinen, Mikko Koivisto
Poster	6037: Estimating Causal Effects Using Weighting-Based Estimators	Yonghan Jung, Jin Tian, Elias Bareinboim
Poster	6175: Causal Discovery from Multiple Data Sets with Non-Identical Variable Sets	Biwei Huang, Kun Zhang, Mingming Gong, Clark Glymour
Poster	6402: Robust Stochastic Bandit Algorithms under Probabilistic Unbounded Adversarial Attack	Ziwei Guan, Kaiyi Ji, Donald J. Bucci Jr., Timothy Y. Hu, Joseph Palombo, Michael Liston, Yingbin Liang
Poster	6821: Incentivized Exploration for Multi-Armed Bandits under Reward Drift	Zhiyuan Liu, Huazheng Wang, Fan Shen, Kai Liu, Lijun Chen
	Tech Session 11: Fair Allocation	**Monday, 3:45-5:15, Morgan**
Oral	3304: Multiple Birds with One Stone: Beating 1/2 for EFX and GMMS via Envy Cycle Elimination	Georgios Amanatidis, Evangelos Markakis, Apostolos Ntokos
Oral	5931: Fair Division Through Information Withholding	Hadi Hosseini, Sujoy Sikdar, Rohit Vaish, Hejun Wang, Lirong Xia
Oral	9631: On the Max-Min Fair Stochastic Allocation of Indivisible Goods	Yasushi Kawase, Hanna Sumita
Poster	9035: Balancing the Tradeoff between Profit and Fairness in Rideshare Platforms During High-Demand Hours	Vedant Nanda, Pan Xu, Karthik Abinav Sankararaman, John P. Dickerson, Aravind Srinivasan
	Tech Session 12: Multiagent Systems	**Monday, 3:45-5:15, Bryant**
Oral	2901: Generalized and Sub-Optimal Bipartite Constraints for Conflict-Based Search	Thayne T. Walker, Nathan R. Sturtevant, Ariel Felner
Oral	4127: Beyond Trees: Analysis and Convergence of Belief Propagation in Graphs with Multiple Cycles	Roie Zivan, Omer Lev, Rotem Galiki
Oral	5101: Distributed Machine Learning through Heterogeneous Edge Systems	Hanpeng Hu, Dan Wang, Chuan Wu
Poster	3001: Idle Time Optimization for Target Assignment and Path Finding in Sortation Centers	Ngai Meng Kou, Cheng Peng, Hang Ma, T. K. Satish Kumar, Sven Koenig
Poster	5189: Implicit Coordination Using FOND Planning	Thorsten Engesser, Tim Miller
Poster	7580: HS-CAI: A Hybrid DCOP Algorithm via Combining Search with Context-Based Inference	Dingding Chen, Yanchen Deng, Ziyu Chen, Wenxin Zhang, Zhongshi He
Poster	8313: Quantized Compressive Sampling of Stochastic Gradients for Efficient Communication in Distributed Deep Learning	Afshin Abdi, Faramarz Fekri
Poster	8325: Indirect Stochastic Gradient Quantization and Its Application in Distributed Deep Learning	Afshin Abdi, Faramarz Fekri
5:20 - 6:10pm		
	IAAI-20 Engelmore Memorial Award Lecture	**Monday, 5:20-6:10, Grand Ballroom**
	The Third AI Summer	Henry Kautz, University of Rochester
6:15 - 7:15pm		
	AAAI	**Monday, 6:15-7:15, Grand Ballroom**
	AAAI-20 AI Debate	
7:20 - 9:20pm		
	AAAI	**Monday, 7:20-9:20, Americas Hall I/II**
	AAAI-20 Poster / Demo Session 2	

Tuesday, February 11

8:00 - 8:30am		
	AAAI	**Tuesday, 8:00-8:30, Grand Ballroom**
	AAAI-20 Conference Awards	**Vincent Conitzer and Fei Sha**
8:30 - 9:20am		
	AAAI/IAAI	**Tuesday, 8:30-9:20, Grand Ballroom**
	AAAI-20/IAAI-20 Joint Invited Talk:	**Dawn Song, University of California, Berkeley**
9:00 - 5:00pm		
	Diversity and Inclusion	**Tuesday, 9:00-5:00, Concourse G**
	Promoting Deaf inclusion and Collaboration in Artificial Intelligence	Prajwal Paudyal, Ayan Banerjee, Soukaina Lamrani, Sandeep Gupta
10:25 - 11:25am		
	Tech Session 1: Application: Health, Medicine and Wellbeing	**Tuesday, 9:30-10:45, Beekman**
Oral	778: DATA-GRU: Dual-Attention Time-Aware Gated Recurrent Unit for Irregular Multivariate Time Series	Qingxiong Tan, Mang Ye, Baoyao Yang, Si-Qi Liu, Andy Jinhua Ma, Terry Cheuk-Fung Yip, Grace Lai-Hung Wong, Pong C. Yuen
Oral	3070: AdaCare: Explainable Clinical Health Status Representation Learning via Scale-Adaptive Feature Extraction and Recalibration	Liantao Ma, Junyi Gao, Yasha Wang, Chaohe Zhang, Jiangtao Wang, Wenjie Ruan, Wen Tang, Xin Gao, Xinyu Ma
Oral	8805: DeepAlerts: Deep Learning Based Multi-Horizon Alerts for Clinical Deterioration on Oncology Hospital Wards	Dingwen Li, Patrick G Lyons, Chenyang Lu, Marin Kollef
Poster	2578: PSENet: Psoriasis Severity Evaluation Network	Yi Li, Zhe Wu, Shuang Zhao, Xian Wu, Yehong Kuang, Yangtian Yan, Shen Ge, Kai Wang, Wei Fan, Xiang Chen, Yong Wang
Poster	3821: Learning the Graphical Structure of Electronic Health Records with Graph Convolutional Transformer	Edward Choi, Zhen Xu, Yujia Li, Michael W. Dusenberry, Gerardo Flores, Emily Xue, Andrew M. Dai
Poster	5646: ECGadv: Generating Adversarial Electrocardiogram to Misguide Arrhythmia Classification System	Huangxun Chen, Chenyu Huang, Qianyi Huang, Qian Zhang, Wei Wang
Poster	5711: CONAN: Complementary Pattern Augmentation for Rare Disease Detection	Limeng Cui, Siddharth Biswal, Lucas M. Glass, Greg Lever, Jimeng Sun, Cao Xiao
Poster	5769: ConCare: Personalized Clinical Feature Embedding via Capturing the Healthcare Context	Liantao Ma, Chaohe Zhang, Yasha Wang, Wenjie Ruan, Jiangtao Wang, Wen Tang, Xinyu Ma, Xin Gao, Junyi Gao
Poster	6543: OF-MSRN: Optical Flow-Auxiliary Multi-Task Regression Network for Direct Quantitative Measurement, Segmentation and Motion Estimation	Chengqian Zhao, Cheng Feng, Dengwang Li, Shuo Li
Poster	8549: Generative Adversarial Regularized Mutual Information Policy Gradient Framework for Automatic Diagnosis	Yuan Xia, Jingbo Zhou, Zhenhui Shi, Chao Lu, Haifeng Huang
	Tech Session 2: NLP: Machine Comprehension and Q&A	**Tuesday, 9:30-10:45, Sutton North**
Oral	3512: Improving Question Generation with Sentence-Level Semantic Matching and Answer Position Inferring	Xiyao Ma, Qile Zhu, Yanlin Zhou, Xiaolin Li
Oral	3989: An Empirical Study of Content Understanding in Conversational Question Answering	Ting-Rui Chiang, Hao-Tong Ye, Yun-Nung Chen
Oral	5372: Joint Learning of Answer Selection and Answer Summary Generation in Community Question Answering	Yang Deng, Wai Lam, Yuexiang Xie, Daoyuan Chen, Yaliang Li, Min Yang, Ying Shen
Poster	1025: CFGNN: Cross Flow Graph Neural Networks for Question Answering on Complex Tables	Xuanyu Zhang
Poster	2069: SG-Net: Syntax-Guided Machine Reading Comprehension	Zhuosheng Zhang, Yuwei Wu, Junru Zhou, Sufeng Duan, Hai Zhao, Rui Wang
Poster	2519: Multi-Task Learning with Generative Adversarial Training for Multi-Passage Machine Reading Comprehension	Qiyu Ren, Xiang Cheng, Sen Su
Poster	3142: Attentive User-Engaged Adversarial Neural Network for Community Question Answering	Yuexiang Xie, Ying Shen, Yaliang Li, Min Yang, Kai Lei
Poster	3858: Conclusion-Supplement Answer Generation for Non-Factoid Questions	Makoto Nakatsuji, Sohei Okui
Poster	7545: Knowledge and Cross-Pair Pattern Guided Semantic Matching for Question Answering	Zihan Xu, Hai-Tao Zheng, Shaopeng Zhai, Dong Wang
Poster	8319: Translucent Answer Predictions in Multi-Hop Reading Comprehension	G P Shrivatsa Bhargav, Michael Glass, Dinesh Garg, Shirish Shevade, Saswati Dana, Dinesh Khandelwal, L Venkata Subramaniam, Alfio Gliozzo
	IAAI-20: AI in Text Analysis, Classification and Generation Usecases	**Tuesday, 9:30-10:45, Sutton Center**
	IAAI147: A System for Medical Information Extraction and Verification from Unstructured Text	Damir Juric, Giorgos Stoilos, Andre Melo, Jonathan Moore, Mohammad Khodadadi
	IAAI175: Iterative Data Programming for Expanding Text Classification Corpora	Neil Mallinar, Abhishek Shah, Tin Kam Ho, Rajendra Ugrani, Ayush Gupta
	IAAI199: Kanji Workbook: A Writing-Based Intelligent Tutoring System for Learning Proper Japanese Kanji Writing Technique with Instructor-Emulated Assessment	Paul Taele, Jung In Koh, Tracy Hammond
	IAAI137: Automated Utterance Generation	Soham Parikh, Quaizar Vohra, Mitul Tiwari
	IAAI130: Chemical and Textual Embeddings for Drug Repurposing	Galia Nordon, Levi Gottlieb, Kira Radinsky
	Tech Session 3: NLP: Dialogue	**Tuesday, 9:30-10:45, Sutton South**
Oral	4764: Attention-Informed Mixed-Language Training for Zero-Shot Cross-Lingual Task-Oriented Dialogue Systems	Zihan Liu, Genta Indra Winata, Zhaojiang Lin, Peng Xu, Pascale Fung
Oral	5095: What Do You Mean `Why?': Resolving Sluices in Conversations	Victor Petrén Bach Hansen, Anders Søgaard

Oral	7575: Masking Orchestration: Multi-Task Pretraining for Multi-Role Dialogue Representation Learning	Tianyi Wang, Yating Zhang, Xiaozhong Liu, Changlong Sun, Qiong Zhang
Poster	2733: Knowledge Graph Grounded Goal Planning for Open-Domain Conversation Generation	Jun Xu, Haifeng Wang, Zhengyu Niu, Hua Wu, Wanxiang Che
Poster	3461: Modeling Dialogues with Hashcode Representations: A Nonparametric Approach	Sahil Garg, Irina Rish, Guillermo Cecchi, Palash Goyal, Sarik Ghazarian, Shuyang Gao, Greg Ver Steeg, Aram Galstyan
Poster	4415: Exploiting Cross-Lingual Subword Similarities in Low-Resource Document Classification	Mozhi Zhang, Yoshinari Fujinuma, Jordan Boyd-Graber
Poster	5127: Discovering New Intents via Constrained Deep Adaptive Clustering with Cluster Refinement	Ting-En Lin, Hua Xu, Hanlei Zhang
Poster	5345: Bayes-Adaptive Monte-Carlo Planning and Learning for Goal-Oriented Dialogues	Youngsoo Jang, Jongmin Lee, Kee-Eung Kim
Poster	7781: Sentiment Classification in Customer Service Dialogue with Topic-Aware Multi-Task Learning	Jiancheng Wang, Jingjing Wang, Changlong Sun, Shoushan Li, Xiaozhong Liu, Luo Si, Min Zhang, Guodong Zhou
Poster	10273: Relevance-Promoting Language Model for Short-Text Conversation	Xin Li, Piji Li, Wei Bi, Xiaojiang Liu, Wai Lam
	Tech Session 4: ML: RL and Muliagent RL	**Tuesday, 9:30-10:45, Regent**
Oral	4023: A Tale of Two-Timescale Reinforcement Learning with the Tightest Finite-Time Bound	Gal Dalal, Balázs Szörényi, Gugan Thoppe
Oral	8403: Gamma-Nets: Generalizing Value Estimation Over Timescale	Craig Sherstan, Shibhansh Dohare, James MacGlashan, Johannes Günther, Patrick M. Pilarski
Poster	787: Cost-Effective Incentive Allocation via Structured Counterfactual Inference	Romain Lopez, Chenchen Li, Xiang Yan, Junwu Xiong, Michael I. Jordan, Yuan Qi, Le Song
Poster	1071: Eigenvalue Normalized Recurrent Neural Networks for Short Term Memory	Kyle Helfrich, Qiang Ye
Poster	1680: Uncorrected Least-Squares Temporal Difference with Lambda-Return	Takayuki Osogami
Poster	2461: How Should an Agent Practice?	Janarthanan Rajendran, Richard Lewis, Vivek Veeriah, Honglak Lee, Satinder Singh
Poster	3522: Toward a Thousand Lights: Decentralized Deep Reinforcement Learning for Large-Scale Traffic Signal Control	Chacha Chen, Hua Wei, Nan Xu, Guanjie Zheng, Ming Yang, Yuanhao Xiong, Kai Xu, Zhenhui Li
Poster	3881: Few Shot Network Compression via Cross Distillation	Haoli Bai, Jiaxiang Wu, Irwin King, Michael Lyu
Poster	4399: IPO: Interior-Point Policy Optimization under Constraints	Yongshuai Liu, Jiaxin Ding, Xin Liu
Poster	5908: PCONV: The Missing but Desirable Sparsity in DNN Weight Pruning for Real-Time Execution on Mobile Devices	Xiaolong Ma, Fu-Ming Guo, Wei Niu, Xue Lin, Jian Tang, Kaisheng Ma, Bin Ren, Yanzhi Wang
Poster	6906: Metareasoning in Modular Software Systems: On-The-Fly Configuration Using Reinforcement Learning with Rich Contextual Representations	Aditya Modi, Debadeepta Dey, Alekh Agarwal, Adith Swaminathan, Besmira Nushi, Sean Andrist, Eric Horvitz
Poster	7199: Transfer Value Iteration Networks	Junyi Shen, Hankz Hankui Zhuo, Jin Xu, Bin Zhong, Sinno Jialin Pan
Poster	7797: Generative Exploration and Exploitation	Jiechuan Jiang, Zongqing Lu
Poster	7927: Attentive Experience Replay	Peiquan Sun, Wengang Zhou, Houqiang Li
Poster	8332: Reinforcement Learning with Non-Markovian Rewards	Maor Gaon, Ronen I. Brafman
Poster	9280: Actor Critic Deep Reinforcement Learning for Neural Malware Control	Yu Wang, Jack W. Stokes, Mady Marinescu
Poster	9337: Fixed-Horizon Temporal Difference Methods for Stable Reinforcement Learning	Kristopher De Asis, Alan Chan, Silviu Pitis, Richard S. Sutton, Daniel Graves
	Tech Session 5: Vision: Image Retrieval, Ranking, Recognition	**Tuesday, 9:30-10:45, Gramercy**
Oral	1572: Random Erasing Data Augmentation	Zhun Zhong, Liang Zheng, Guoliang Kang, Shaozi Li, Yi Yang
Oral	4391: Zero Shot Learning with the Isoperimetric Loss	Shay Deutsch, Andrea Bertozzi, Stefano Soatto
Oral	6506: Recognizing Instagram Filtered Images with Feature De-Stylization	Zhe Wu, Zuxuan Wu, Bharat Singh, Larry S. Davis
Poster	1012: Multi-Spectral Vehicle Re-Identification: A Challenge	Hongchao Li, Chenglong Li, Xianpeng Zhu, Aihua Zheng, Bin Luo
Poster	1379: Understanding the Disharmony between Weight Normalization Family and Weight Decay	Xiang Li, Shuo Chen, Jian Yang
Poster	2505: Learning Attentive Pairwise Interaction for Fine-Grained Classification	Peiqin Zhuang, Yali Wang, Yu Qiao
Poster	4196: Efficient Querying from Weighted Binary Codes	Zhenyu Weng, Yuesheng Zhu
Poster	4799: SGAP-Net: Semantic-Guided Attentive Prototypes Network for Few-Shot Human-Object Interaction Recognition	Zhong Ji, Xiyao Liu, Yanwei Pang, Xuelong Li
Poster	6749: Learning to Auto Weight: Entirely Data-Driven and Highly Efficient Weighting Framework	Zhenmao Li, Yichao Wu, Ken Chen, Yudong Wu, Shunfeng Zhou, Jiaheng Liu, Junjie Yan
Poster	7144: Functionality Discovery and Prediction of Physical Objects	Lei Ji, Botian Shi, Xianglin Guo, Xilin Chen
	Tech Session 6: ML: Transfer Learning	**Tuesday, 9:30-10:45, Murray Hill**
Oral	1540: Brain-Mediated Transfer Learning of Convolutional Neural Networks	Satoshi Nishida, Yusuke Nakano, Antoine Blanc, Naoya Maeda, Masataka Kado, Shinji Nishimoto
Oral	3422: Unsupervised Domain Adaptation via Discriminative Manifold Embedding and Alignment	You-Wei Luo, Chuan-Xian Ren, Pengfei Ge, Ke-Kun Huang, Yu-Feng Yu
Oral	7191: Theory-Based Causal Transfer: Integrating Instance-Level Induction and Abstract-Level Structure Learning	Mark Edmonds, Xiaojian Ma, Siyuan Qi, Yixin Zhu, Hongjing Lu, Song-Chun Zhu
Poster	837: Representation Learning with Multiple Lipschitz-Constrained Alignments on Partially-Labeled Cross-Domain Data	Songlei Jian, Liang Hu, Longbing Cao, Kai Lu

Poster	1790: Adversarial Learning of Privacy-Preserving and Task-Oriented Representations	Taihong Xiao, Yi-Hsuan Tsai, Kihyuk Sohn, Manmohan Chandraker, Ming-Hsuan Yang
Poster	1836: Multi-Task Driven Feature Models for Thermal Infrared Tracking	Qiao Liu, Xin Li, Zhenyu He, Nana Fan, Di Yuan, Wei Liu, Yongsheng Liang
Poster	2718: Meta-Learning for Generalized Zero-Shot Learning	Vinay Kumar Verma, Dhanajit Brahma, Piyush Rai
Poster	4270: Adaptive Activation Network and Functional Regularization for Efficient and Flexible Deep Multi-Task Learning	Yingru Liu, Xuewen Yang, Dongliang Xie, Xin Wang, Li Shen, Haozhi Huang, Niranjan Balasubramanian
Poster	6779: Attention-Based Multi-Modal Fusion Network for Semantic Scene Completion	Siqi Li, Changqing Zou, Yipeng Li, Xibin Zhao, Yue Gao
Poster	8503: Side Information Dependence as a Regularizer for Analyzing Human Brain Conditions across Cognitive Experiments	Shuo Zhou, Wenwen Li, Christopher R. Cox, Haiping Lu
	Tech Session 7: Vision: Weak Supervision, Adaptation, Transfer Learning	**Tuesday, 9:30-10:45, Nassau**
Oral	176: Optimal Feature Transport for Cross-View Image Geo-Localization	Yujiao Shi, Xin Yu, Liu Liu, Tong Zhang, Hongdong Li
Oral	1552: Adversarial Domain Adaptation with Domain Mixup	Minghao Xu, Jian Zhang, Bingbing Ni, Teng Li, Chengjie Wang, Qi Tian, Wenjun Zhang
Oral	6193: Unsupervised Domain Adaptation via Structured Prediction Based Selective Pseudo-Labeling	Qian Wang, Toby P. Breckon
Poster	61: Distilling Portable Generative Adversarial Networks for Image Translation	Hanting Chen, Yunhe Wang, Han Shu, Changyuan Wen, Chunjing Xu, Boxin Shi, Chao Xu, Chang Xu
Poster	1276: An Adversarial Perturbation Oriented Domain Adaptation Approach for Semantic Segmentation	Jihan Yang, Ruijia Xu, Ruiyu Li, Xiaojuan Qi, Xiaoyong Shen, Guanbin Li, Liang Lin
Poster	1453: Generative Adversarial Networks for Video-to-Video Domain Adaptation	Jiawei Chen, Yuexiang Li, Kai Ma, Yefeng Zheng
Poster	2138: Deep Domain-Adversarial Image Generation for Domain Generalisation	Kaiyang Zhou, Yongxin Yang, Timothy Hospedales, Tao Xiang
Poster	2776: Domain Conditioned Adaptation Network	Shuang Li, Chi Harold Liu, Qiuxia Lin, Binhui Xie, Zhengming Ding, Gao Huang, Jian Tang
Poster	3218: Real-Time Object Tracking via Meta-Learning: Efficient Model Adaptation and One-Shot Channel Pruning	Ilchae Jung, Kihyun You, Hyeonwoo Noh, Minsu Cho, Bohyung Han
Poster	4858: Joint Adversarial Learning for Domain Adaptation in Semantic Segmentation	Yixin Zhang, Zilei Wang
	Tech Session 8: ML: Supervised Learning	**Tuesday, 9:30-10:45, Concourse A**
Oral	6396: Partial Multi-Label Learning with Label Distribution	Ning Xu, Yun-Peng Liu, Xin Geng
Oral	10038: Incorporating Label Embedding and Feature Augmentation for Multi-Dimensional Classification	Haobo Wang, Chen Chen, Weiwei Liu, Ke Chen, Tianlei Hu, Gang Chen
Poster	896: Multi-Label Causal Feature Selection	Xingyu Wu, Bingbing Jiang, Kui Yu, Huanhuan Chen, Chunyan Miao
Poster	1342: Dual Relation Semi-Supervised Multi-Label Learning	Lichen Wang, Yunyu Liu, Can Qin, Gan Sun, Yun Fu
Poster	1797: Label Error Correction and Generation through Label Relationships	Zijun Cui, Yong Zhang, Qiang Ji
Poster	2584: Improved Subsampled Randomized Hadamard Transform for Linear SVM	Zijian Lei, Liang Lan
Poster	3339: Maximum Margin Multi-Dimensional Classification	Bin-Bin Jia, Min-Ling Zhang
Poster	4781: Enhancing Nearest Neighbor Based Entropy Estimator for High Dimensional Distributions via Bootstrapping Local Ellipsoid	Chien Lu, Jaakko Peltonen
Poster	4835: Deep Time-Stream Framework for Click-Through Rate Prediction by Tracking Interest Evolution	Shu-Ting Shi, Wenhao Zheng, Jun Tang, Qing-Guo Chen, Yao Hu, Jianke Zhu, Ming Li
Poster	5032: Partial Multi-Label Learning with Noisy Label Identification	Ming-Kun Xie, Sheng-Jun Huang
Poster	5038: Query-Driven Multi-Instance Learning	Yen-Chi Hsu, Cheng-Yao Hong, Ming-Sui Lee, Tyng-Luh Liu
Poster	5516: To Avoid the Pitfall of Missing Labels in Feature Selection: A Generative Model Gives the Answer	Yuanyuan Xu, Jun Wang, Jinmao Wei
Poster	6047: Linear Bandits with Feature Feedback	Urvashi Oswal, Aniruddha Bhargava, Robert Nowak
Poster	7055: Order-Free Learning Alleviating Exposure Bias in Multi-Label Classification	Che-Ping Tsai, Hung-Yi Lee
Poster	7629: Reliable Multilabel Classification: Prediction with Partial Abstention	Vu-Linh Nguyen, Eyke Hüllermeier
Poster	7690: Weighted Sampling for Combined Model Selection and Hyperparameter Tuning	Dimitrios Sarigiannis, Thomas Parnell, Haralampos Pozidis
Poster	8567: Self-Paced Robust Learning for Leveraging Clean Labels in Noisy Data	Xuchao Zhang, Xian Wu, Fanglan Chen, Liang Zhao, Chang-Tien Lu
Poster	8991: Optimal Attack against Autoregressive Models by Manipulating the Environment	Yiding Chen, Xiaojin Zhu
Poster	10238: Control Flow Graph Embedding Based on Multi-Instance Decomposition for Bug Localization	Xuan Huo, Ming Li, Zhi-Hua Zhou
	Tech Session 9: Planning	**Tuesday, 9:30-10:45, Gibson**
Oral	1813: Expectation-Aware Planning: A Unifying Framework for Synthesizing and Executing Self-Explaining Plans for Human-Aware Planning	Sarath Sreedharan, Tathagata Chakraborti, Christian Muise, Subbarao Kambhampati
Oral	8671: Novel Is Not Always Better: On the Relation between Novelty and Dominance Pruning	Joschka Groß, Álvaro Torralba, Maximilian Fickert

Oral	9333: Hybrid Compositional Reasoning for Reactive Synthesis from Finite-Horizon Specifications	Suguman Bansal, Yong Li, Lucas M. Tabajara, Moshe Y. Vardi
Poster	5632: Planning with Abstract Learned Models While Learning Transferable Subtasks	John Winder, Stephanie Milani, Matthew Landen, Erebus Oh, Shane Parr, Shawn Squire, Marie desJardins, Cynthia Matuszek
Poster	6113: Dynamic Control of Probabilistic Simple Temporal Networks	Michael Gao, Lindsay Popowski, James C. Boerkoel Jr.
	Tech Session 10: Constraint Satisfaction and Optimization	**Tuesday, 9:30-10:45, Clinton**
Oral	6059: Improved Filtering for the Euclidean Traveling Salesperson Problem in CLP(FD)	Alessandro Bertagnon, Marco Gavanelli
Oral	6745: Accelerating Primal Solution Findings for Mixed Integer Programs Based on Solution Prediction	Jian-Ya Ding, Chao Zhang, Lei Shen, Shengyin Li, Bing Wang, Yinghui Xu, Le Song
Oral	10258: Justifying All Differences Using Pseudo-Boolean Reasoning	Jan Elffers, Stephan Gocht, Ciaran McCreesh, Jakob Nordström
Poster	1534: Asymptotic Risk of Bézier Simplex Fitting	Akinori Tanaka, Akiyoshi Sannai, Ken Kobayashi, Naoki Hamada
Poster	2998: MIPaaL: Mixed Integer Program as a Layer	Aaron Ferber, Bryan Wilder, Bistra Dilkina, Milind Tambe
Poster	8945: Smart Predict-and-Optimize for Hard Combinatorial Optimization Problems	Jayanta Mandi, Emir Demirović, Peter J. Stuckey, Tias Guns
Poster	9334: Delay-Adaptive Distributed Stochastic Optimization	Zhaolin Ren, Zhengyuan Zhou, Linhai Qiu, Ajay Deshpande, Jayant Kalagnanam
	Tech Session 11: Knowledge Representation and Reasoning	**Tuesday, 9:30-10:45, Madison**
Oral	5054: Structural Decompositions of Epistemic Logic Programs	Markus Hecher, Michael Morak, Stefan Woltran
Oral	6805: Learning Query Inseparable *ELH* Ontologies	Ana Ozaki, Cosimo Persia, Andrea Mazzullo
Oral	7992: FastLAS: Scalable Inductive Logic Programming Incorporating Domain-Specific Optimisation Criteria	Mark Law, Alessandra Russo, Elisa Bertino, Krysia Broda, Jorge Lobo
Poster	2278: Few-Shot Knowledge Graph Completion	Chuxu Zhang, Huaxiu Yao, Chao Huang, Meng Jiang, Zhenhui Li, Nitesh V. Chawla
Poster	4560: Rule-Guided Compositional Representation Learning on Knowledge Graphs	Guanglin Niu, Yongfei Zhang, Bo Li, Peng Cui, Si Liu, Jingyang Li, Xiaowei Zhang
Poster	8971: Contextual Parameter Generation for Knowledge Graph Link Prediction	George Stoica, Otilia Stretcu, Emmanouil Antonios Platanios, Tom M. Mitchell, Barnabás Póczos
Poster	9149: Graph Representations for Higher-Order Logic and Theorem Proving	Aditya Paliwal, Sarah M. Loos, Markus N. Rabe, Kshitij Bansal, Christian Szegedy
	Tech Session 12: Game Theory	**Tuesday, 9:30-10:45, Morgan**
Oral	2128: Path Planning Problems with Side Observations – When Colonels Play Hide-and-Seek	Dong Quan Vu, Patrick Loiseau, Alonso Silva, Long Tran-Thanh
Oral	5092: A Simple, Fast, and Safe Mediator for Congestion Management	Kei Ikegami, Kyohei Okumura, Takumi Yoshikawa
Oral	6931: To Signal or Not To Signal: Exploiting Uncertain Real-Time Information in Signaling Games for Security and Sustainability	Elizabeth Bondi, Hoon Oh, Haifeng Xu, Fei Fang, Bistra Dilkina, Milind Tambe
Poster	277: Blameworthiness in Security Games	Pavel Naumov, Jia Tao
Poster	1218: Nice Invincible Strategy for the Average-Payoff IPD	Shiheng Wang, Fangzhen Lin
Poster	2489: ML-LOO: Detecting Adversarial Examples with Feature Attribution	Puyudi Yang, Jianbo Chen, Cho-Jui Hsieh, Jane-Ling Wang, Michael I. Jordan
Poster	3476: Finding Needles in a Moving Haystack: Prioritizing Alerts with Adversarial Reinforcement Learning	Liang Tong, Aron Laszka, Chao Yan, Ning Zhang, Yevgeniy Vorobeychik
Poster	5540: Bounding Regret in Empirical Games	Steven Jecmen, Arunesh Sinha, Zun Li, Long Tran-Thanh
Poster	8710: Repeated Multimarket Contact with Private Monitoring: A Belief-Free Approach	Atsushi Iwasaki, Tadashi Sekiguchi, Shun Yamamoto, Makoto Yokoo
Poster	10043: Solving Online Threat Screening Games Using Constrained Action Space Reinforcement Learning	Sanket Shah, Arunesh Sinha, Pradeep Varakantham, Andrew Perrault, Milind Tambe
	Tech Session 13: Fairness and Equality in Economic Paradigms	**Tuesday, 9:30-10:45, Bryant**
Oral	5266: Incremental Fairness in Two-Sided Market Platforms: On Smoothly Updating Recommendations	Gourab K Patro, Abhijnan Chakraborty, Niloy Ganguly, Krishna P. Gummadi
Oral	5775: Parameterized Complexity of Envy-Free Resource Allocation in Social Networks	Eduard Eiben, Robert Ganian, Thekla Hamm, Sebastian Ordyniak
Oral	9353: Subsidy Allocations in the Presence of Income Shocks	Rediet Abebe, Jon Kleinberg, S. Matthew Weinberg
Poster	3062: Fair Procedures for Fair Stable Marriage Outcomes	Nikolaos Tziavelis, Ioannis Giannakopoulos, Rune Quist Johansen, Katerina Doka, Nectarios Koziris, Panagiotis Karras
Poster	3279: Mechanism Design with Predicted Task Revenue for Bike Sharing Systems	Hongtao Lv, Chaoli Zhang, Zhenzhe Zheng, Tie Luo, Fan Wu, Guihai Chen

11:15am - 12:30pm

	Tech Session 1: Application: Climate/Weather, Environment, Time Series Analysis	**Tuesday, 11:15-12:30, Beekman**
Oral	3715: Spatial Classification with Limited Observations Based on Physics-Aware Structural Constraint	Arpan Man Sainju, Wenchong He, Zhe Jiang, Da Yan
Oral	6627: OMuLeT: Online Multi-Lead Time Location Prediction for Hurricane Trajectory Forecasting	Ding Wang, Boyang Liu, Pang-Ning Tan, Lifeng Luo
Oral	7142: AirNet: A Calibration Model for Low-Cost Air Monitoring Sensors Using Dual Sequence Encoder Networks	Haomin Yu, Qingyong Li, Yangli-ao Geng, Yingjun Zhang, Zhi Wei
Poster	1664: RiskOracle: A Minute-Level Citywide Traffic Accident Forecasting Framework	Zhengyang Zhou, Yang Wang, Xike Xie, Lianliang Chen, Hengchang Liu
Poster	2772: Enhancing Personalized Trip Recommendation with Attractive Routes	Jiqing Gu, Chao Song, Wenjun Jiang, Xiaomin Wang, Ming Liu

Poster	3823: Cross-Modal Attention Network for Temporal Inconsistent Audio-Visual Event Localization	Hanyu Xuan, Zhenyu Zhang, Shuo Chen, Jian Yang, Yan Yan
Poster	5489: Predicting AC Optimal Power Flows: Combining Deep Learning and Lagrangian Dual Methods	Ferdinando Fioretto, Terrence W.K. Mak, Pascal Van Hentenryck
Poster	5754: Deep Unsupervised Binary Coding Networks for Multivariate Time Series Retrieval	Dixian Zhu, Dongjin Song, Yuncong Chen, Cristian Lumezanu, Wei Cheng, Bo Zong, Jingchao Ni, Takehiko Mizoguchi, Tianbao Yang, Haifeng Chen
Poster	6242: Urban2Vec: Incorporating Street View Imagery and POIs for Multi-Modal Urban Neighborhood Embedding	Zhecheng Wang, Haoyuan Li, Ram Rajagopal
Poster	6968: Tensorized LSTM with Adaptive Shared Memory for Learning Trends in Multivariate Time Series	Dongkuan Xu, Wei Cheng, Bo Zong, Dongjing Song, Jingchao Ni, Wenchao Yu, Yanchi Liu, Haifeng Chen, Xiang Zhang
	Tech Session 2: NLP: Machine Comprehension and Q&A	**Tuesday, 11:15-12:30, Sutton North**
Oral	9012: How to Ask Better Questions? A Large-Scale Multi-Domain Dataset for Rewriting Ill-Formed Questions	Zewei Chu, Mingda Chen, Jing Chen, Miaosen Wang, Kevin Gimpel, Manaal Faruqui, Xiance Si
Oral	9420: QASC: A Dataset for Question Answering via Sentence Composition	Tushar Khot, Peter Clark, Michal Guerquin, Peter Jansen, Ashish Sabharwal
Oral	9466: TANDA: Transfer and Adapt Pre-Trained Transformer Models for Answer Sentence Selection	Siddhant Garg, Thuy Vu, Alessandro Moschitti
Poster	2771: DCMN+: Dual Co-Matching Network for Multi-Choice Reading Comprehension	Shuailiang Zhang, Hai Zhao, Yuwei Wu, Zhuosheng Zhang, Xi Zhou, Xiang Zhou
Poster	3419: SPARQ: Skeleton-Based Semantic Parsing for Complex Questions over Knowledge Bases	Yawei Sun, Lingling Zhang, Gong Cheng, Yuzhong Qu
Poster	6841: A Robust Adversarial Training Approach to Machine Reading Comprehension	Kai Liu, Xin Liu, An Yang, Jing Liu, Jinsong Su, Sujian Li, Qiaoqiao She
Poster	6979: MMM: Multi-Stage Multi-Task Learning for Multi-Choice Reading Comprehension	Di Jin, Shuyang Gao, Jiun-Yu Kao, Tagyoung Chung, Dilek Hakkani-tur
Poster	7752: Neural Question Generation with Answer Pivot	Xiaochuan Wang, Bingning Wang, Ting Yao, Qi Zhang, Jingfang Xu
Poster	7755: Assessing the Benchmarking Capacity of Machine Reading Comprehension Datasets	Saku Sugawara, Pontus Stenetorp, Kentaro Inui, Akiko Aizawa
Poster	7778: Getting Closer to AI Complete Question Answering: A Set of Prerequisite Real Tasks	Anna Rogers, Olga Kovaleva, Matthew Downey, Anna Rumshisky
	IAAI-20: AI for Trust and Trust of AI	**Tuesday, 11:15-12:25, Sutton Center**
	IAAI62: Draining the Water Hole: Mitigating Social Engineering Attacks with CyberTWEAK	Zheyuan Ryan Shi, Aaron Schlenker, Brian Hay, Daniel Bittleston, Siyu Gao, Emily Peterson, John Trezza, Fei Fang
	IAAI152: Automated Conversation Review to Surface Virtual Assistant Misunderstandings: Reducing Cost and Increasing Privacy (Deployed)	Ian Beaver, Abdullah Mueen
	IAAI153: AI Trust in Business Processes: The Need for Process-Aware Explanations (Challenge)	Steve T.K. Jan, Vatche Ishakian, Vinod Muthusamy
	IAAI61: Did that Lost Ballot Box Cost Me a Seat? Computing Manipulations of STV Elections	Michelle Blom, Andrew Conway, Peter J. Stuckey, Vanessa J. Teague
	Tech Session 4: NLP: Representation Learning	**Tuesday, 11:15-12:30, Sutton South**
Oral	3656: P-SIF: Document Embeddings Using Partition Averaging	Vivek Gupta, Ankit Saw, Pegah Nokhiz, Praneeth Netrapalli, Piyush Rai, Partha Talukdar
Oral	4297: Modelling Sentence Pairs via Reinforcement Learning: An Actor-Critic Approach to Learn the Irrelevant Words	Mahtab Ahmed, Robert E. Mercer
Oral	5766: TextNAS: A Neural Architecture Search Space Tailored for Text Representation	Yujing Wang, Yaming Yang, Yiren Chen, Jing Bai, Ce Zhang, Guinan Su, Xiaoyu Kou, Yunhai Tong, Mao Yang, Lidong Zhou
Poster	3623: Unsupervised Interlingual Semantic Representations from Sentence Embeddings for Zero-Shot Cross-Lingual Transfer	Channy Hong, Jaeyeon Lee, Jung Kwon Lee
Poster	4206: Likelihood Ratios and Generative Classifiers for Unsupervised Out-of-Domain Detection In Task Oriented Dialog	Varun Gangal, Abhinav Arora, Arash Einolghozati, Sonal Gupta
Poster	5067: Learning Conceptual-Contextual Embeddings for Medical Text	Xiao Zhang, Dejing Dou, Ji Wu
Poster	7202: Scalable Attentive Sentence-Pair Modeling via Distilled Sentence Embedding	Oren Barkan, Noam Razin, Itzik Malkiel, Ori Katz, Avi Caciularu, Noam Koenigstein
Poster	7284: Adversarial Training Based Multi-Source Unsupervised Domain Adaptation for Sentiment Analysis	Yong Dai, Jian Liu, Xiancong Ren, Zenglin Xu
Poster	8689: Multi-Source Domain Adaptation for Text Classification via DistanceNet-Bandits	Han Guo, Ramakanth Pasunuru, Mohit Bansal
Poster	9303: Low Resource Sequence Tagging with Weak Labels	Edwin Simpson, Jonas Pfeiffer, Iryna Gurevych
	Tech Session 6: ML: Neural Nets Theory, Models, and Algorithms	**Tuesday, 11:15-12:30, Regent**
Oral	659: AutoShrink: A Topology-Aware NAS for Discovering Efficient Neural Architecture	Tunhou Zhang, Hsin-Pai Cheng, Zhenwen Li, Feng Yan, Chengyu Huang, Hai Li, Yiran Chen
Oral	8844: Structured Sparsification of Gated Recurrent Neural Networks	Ekaterina Lobacheva, Nadezhda Chirkova, Aleksandr Markovich, Dmitry Vetrov
Poster	3: InstaNAS: Instance-Aware Neural Architecture Search	An-Chieh Cheng, Chieh Hubert Lin, Da-Cheng Juan, Wei Wei, Min Sun
Poster	1279: Reborn Filters: Pruning Convolutional Neural Networks with Limited Data	Yehui Tang, Shan You, Chang Xu, Jin Han, Chen Qian, Boxin Shi, Chao Xu, Changshui Zhang
Poster	1536: Posterior-Guided Neural Architecture Search	Yizhou Zhou, Xiaoyan Sun, Chong Luo, Zheng-Jun Zha, Wenjun Zeng

Poster	2075: Overcoming Catastrophic Forgetting by Neuron-Level Plasticity Control	Inyoung Paik, Sangjun Oh, Taeyeong Kwak, Injung Kim
Poster	2100: On the Discrepancy between the Theoretical Analysis and Practical Implementations of Compressed Communication for Distributed Deep Learning	Aritra Dutta, El Houcine Bergou, Ahmed M. Abdelmoniem, Chen-Yu Ho, Atal Narayan Sahu, Marco Canini, Panos Kalnis
Poster	2599: Dynamic Network Pruning with Interpretable Layerwise Channel Selection	Yulong Wang, Xiaolu Zhang, Xiaolin Hu, Bo Zhang, Hang Su
Poster	2804: High Performance Depthwise and Pointwise Convolutions on Mobile Devices	Pengfei Zhang, Eric Lo, Baotong Lu
Poster	3037: Absum: Simple Regularization Method for Reducing Structural Sensitivity of Convolutional Neural Networks	Sekitoshi Kanai, Yasutoshi Ida, Yasuhiro Fujiwara, Masanori Yamada, Shuichi Adachi
Poster	3843: A Simple and Efficient Tensor Calculus	Sören Laue, Matthias Mitterreiter, Joachim Giesen
Poster	4152: Multi-Zone Unit for Recurrent Neural Networks	Fandong Meng, Jinchao Zhang, Yang Liu, Jie Zhou
Poster	5634: Collaborative Sampling in Generative Adversarial Networks	Yuejiang Liu, Parth Kothari, Alexandre Alahi
Poster	7096: New Efficient Multi-Spike Learning for Fast Processing and Robust Learning	Shenglan Li, Qiang Yu
Poster	7235: Not All Attention Is Needed: Gated Attention Network for Sequence Data	Lanqing Xue, Xiaopeng Li, Nevin L. Zhang
Poster	8100: DWM: A Decomposable Winograd Method for Convolution Acceleration	Di Huang, Xishan Zhang, Rui Zhang, Tian Zhi, Deyuan He, Jiaming Guo, Chang Liu, Qi Guo, Zidong Du, Shaoli Liu, Tianshi Chen, Yunji Chen
Poster	8316: M-NAS: Meta Neural Architecture Search	Jiaxing Wang, Jiaxiang Wu, Haoli Bai, Jian Cheng
Poster	9289: Harmonious Coexistence of Structured Weight Pruning and Ternarization for Deep Neural Networks	Li Yang, Zhezhi He, Deliang Fan
Poster	9478: Kriging Convolutional Networks	Gabriel Appleby, Linfeng Liu, Li-Ping Liu
Tech Session 6: Vision: Object Detection		**Tuesday, 11:15-12:30, Gramercy**
Oral	1007: Learning Deep Relations to Promote Saliency Detection	Changrui Chen, Xin Sun, Yang Hua, Junyu Dong, Hongwei Xv
Oral	1266: Universal-RCNN: Universal Object Detector via Transferable Graph R-CNN	Hang Xu, Linpu Fang, Xiaodan Liang, Wenxiong Kang, Zhenguo Li
Poster	74: Progressive Feature Polishing Network for Salient Object Detection	Bo Wang, Quan Chen, Min Zhou, Zhiqiang Zhang, Xiaogang Jin, Kun Gai
Poster	961: PedHunter: Occlusion Robust Pedestrian Detector in Crowded Scenes	Cheng Chi, Shifeng Zhang, Junliang Xing, Zhen Lei, Stan Z. Li, Xudong Zou
Poster	962: Relational Learning for Joint Head and Human Detection	Cheng Chi, Shifeng Zhang, Junliang Xing, Zhen Lei, Stan Z. Li, Xudong Zou
Poster	1082: Distance-IoU Loss: Faster and Better Learning for Bounding Box Regression	Zhaohui Zheng, Ping Wang, Wei Liu, Jinze Li, Rongguang Ye, Dongwei Ren
Poster	1632: General Partial Label Learning via Dual Bipartite Graph Autoencoder	Brian Chen, Bo Wu, Alireza Zareian, Hanwang Zhang, Shih-Fu Chang
Poster	1833: CBNet: A Novel Composite Backbone Network Architecture for Object Detection	Yudong Liu, Yongtao Wang, Siwei Wang, Tingting Liang, Qijie Zhao, Zhi Tang, Haibin Ling
Poster	2215: Ladder Loss for Coherent Visual-Semantic Embedding	Mo Zhou, Zhenxing Niu, Le Wang, Zhanning Gao, Qilin Zhang, Gang Hua
Poster	2509: Context-Transformer: Tackling Object Confusion for Few-Shot Detection	Ze Yang, Yali Wang, Xianyu Chen, Jianzhuang Liu, Yu Qiao
Poster	3032: Spiking-YOLO: Spiking Neural Network for Energy-Efficient Object Detection	Seijoon Kim, Seongsik Park, Byunggook Na, Sungroh Yoon
Poster	3138: Deep Discriminative CNN with Temporal Ensembling for Ambiguously-Labeled Image Classification	Yao Yao, Jiehui Deng, Xiuhua Chen, Chen Gong, Jianxin Wu, Jian Yang
Poster	3625: Training-Time-Friendly Network for Real-Time Object Detection	Zili Liu, Tu Zheng, Guodong Xu, Zheng Yang, Haifeng Liu, Deng Cai
Poster	3824: GTNet: Generative Transfer Network for Zero-Shot Object Detection	Shizhen Zhao, Changxin Gao, Yuanjie Shao, Lerenhan Li, Changqian Yu, Zhong Ji, Nong Sang
Poster	4096: SM-NAS: Structural-to-Modular Neural Architecture Search for Object Detection	Lewei Yao, Hang Xu, Wei Zhang, Xiaodan Liang, Zhenguo Li
Poster	4535: Multi-Type Self-Attention Guided Degraded Saliency Detection	Ziqi Zhou, Zheng Wang, Huchuan Lu, Song Wang, Meijun Sun
Poster	4907: FAS-Net: Construct Effective Features Adaptively for Multi-Scale Object Detection	Jiangqiao Yan, Yue Zhang, Zhonghan Chang, Tengfei Zhang, Menglong Yan, Wenhui Diao, Hongqi Wang, Xian Sun
Poster	7661: Differentiable Meta-Learning Model for Few-Shot Semantic Segmentation	Pinzhuo Tian, Zhangkai Wu, Lei Qi, Lei Wang, Yinghuan Shi, Yang Gao
Poster	8081: DASOT: A Unified Framework Integrating Data Association and Single Object Tracking for Online Multi-Object Tracking	Qi Chu, Wanli Ouyang, Bin Liu, Feng Zhu, Nenghai Yu
Tech Session 7: ML: RL and Muliagent RL		**Tuesday, 11:15-12:30, Murray Hill**
Oral	606: Policy Search by Target Distribution Learning for Continuous Control	Chuheng Zhang, Yuanqi Li, Jian LI
Oral	1335: Adaptive Trust Region Policy Optimization: Global Convergence and Faster Rates for Regularized MDPs	Lior Shani, Yonathan Efroni, Shie Mannor
Poster	484: Proximal Distilled Evolutionary Reinforcement Learning	Cristian Bodnar, Ben Day, Pietro Lió
Poster	858: Gradient-Aware Model-Based Policy Search	Pierluca D'Oro, Alberto Maria Metelli, Andrea Tirinzoni, Matteo Papini, Marcello Restelli
Poster	1917: Scalable Methods for Computing State Similarity in Deterministic Markov Decision Processes	Pablo Samuel Castro

Poster	2455: Deterministic Value-Policy Gradients	Qingpeng Cai, Ling Pan, Pingzhong Tang
Poster	4046: Apprenticeship Learning via Frank-Wolfe	Tom Zahavy, Alon Cohen, Haim Kaplan, Yishay Mansour
Poster	4232: Deep Conservative Policy Iteration	Nino Vieillard, Olivier Pietquin, Matthieu Geist
Poster	4283: Being Optimistic to Be Conservative: Quickly Learning a CVaR Policy	Ramtin Keramati, Alex Tamkin, Christoph Dann, Emma Brunskill
Poster	5075: Improved Algorithms for Conservative Exploration in Bandits	Evrard Garcelon, Mohammad Ghavamzadeh, Alessandro Lazaric, Matteo Pirotta
Poster	5360: Induction of Subgoal Automata for Reinforcement Learning	Daniel Furelos-Blanco, Mark Law, Alessandra Russo, Krysia Broda, Anders Jonsson
Poster	6694: On the Role of Weight Sharing During Deep Option Learning	Matthew Riemer, Ignacio Cases, Clemens Rosenbaum, Miao Liu, Gerald Tesauro
Poster	7341: Discretizing Continuous Action Space for On-Policy Optimization	Yunhao Tang, Shipra Agrawal
Poster	8296: Deep Model-Based Reinforcement Learning via Estimated Uncertainty and Conservative Policy Optimization	Qi Zhou, HouQiang Li, Jie Wang
Poster	9459: Scaling All-Goals Updates in Reinforcement Learning Using Convolutional Neural Networks	Fabio Pardo, Vitaly Levdik, Petar Kormushev
Poster	9526: Options of Interest: Temporal Abstraction with Interest Functions	Khimya Khetarpal, Martin Klissarov, Maxime Chevalier-Boisvert, Pierre-Luc Bacon, Doina Precup
	Tech Session 8: Vision: Image and Video Understanding, Recognition and Retrieval	**Tuesday, 11:15-12:30, Nassau**
Oral	2836: Differentiable Grammars for Videos	AJ Piergiovanni, Anelia Angelova, Michael S. Ryoo
Oral	7474: Cut-Based Graph Learning Networks to Discover Compositional Structure of Sequential Video Data	Kyoung-Woon On, Eun-Sol Kim, Yu-Jung Heo, Byoung-Tak Zhang
Poster	53: Further Understanding Videos through Adverbs: A New Video Task	Bo Pang, Kaiwen Zha, Yifan Zhang, Cewu Lu
Poster	746: The Missing Data Encoder: Cross-Channel Image Completion with Hide-And-Seek Adversarial Network	Arnaud Dapogny, Matthieu Cord, Patrick Pérez
Poster	1448: Revisiting Image Aesthetic Assessment via Self-Supervised Feature Learning	Kekai Sheng, Weiming Dong, Menglei Chai, Guohui Wang, Peng Zhou, Feiyue Huang, Bao-Gang Hu, Rongrong Ji, Chongyang Ma
Poster	1555: Object Instance Mining for Weakly Supervised Object Detection	Chenhao Lin, Siwen Wang, Dongqi Xu, Yu Lu, Wayne Zhang
Poster	2078: Cross-Modality Attention with Semantic Graph Embedding for Multi-Label Classification	Renchun You, Zhiyao Guo, Lei Cui, Xiang Long, Yingze Bao, Shilei Wen
Poster	2761: Learning to Match on Graph for Fashion Compatibility Modeling	Xun Yang, Xiaoyu Du, Meng Wang
Poster	2980: EAC-Net: Efficient and Accurate Convolutional Network for Video Recognition	Bowei Jin, Zhuo Xu
Poster	2991: Self-Attention ConvLSTM for Spatiotemporal Prediction	Zhihui Lin, Maomao Li, Zhuobin Zheng, Yangyang Cheng, Chun Yuan
Poster	3219: Symmetrical Synthesis for Deep Metric Learning	Geonmo Gu, ByungSoo Ko
Poster	3491: Image-Adaptive GAN Based Reconstruction	Shady Abu Hussein, Tom Tirer, Raja Giryes
Poster	5365: A Proposal-Based Approach for Activity Image-to-Video Retrieval	Ruicong Xu, Li Niu, Jianfu Zhang, Liqing Zhang
Poster	7322: GlobalTrack: A Simple and Strong Baseline for Long-Term Tracking	Lianghua Huang, Xin Zhao, Kaiqi Huang
Poster	7427: Fully Convolutional Network for Consistent Voxel-Wise Correspondence	Yungeng Zhang, Yuru Pei, Yuke Guo, Gengyu Ma, Tianmin Xu, Hongbin Zha
Poster	7576: Domain Adaptive Attention Learning for Unsupervised Person Re-Identification	Yangru Huang, Peixi Peng, Yi Jin, Yidong Li, Junliang Xing, Shiming Ge
Poster	8327: Learning Diverse Stochastic Human-Action Generators by Learning Smooth Latent Transitions	Zhenyi Wang, Ping Yu, Yang Zhao, Ruiyi Zhang, Yufan Zhou, Junsong Yuan, Changyou Chen
Poster	9067: Conquering the CNN Over-Parameterization Dilemma: A Volterra Filtering Approach for Action Recognition	Siddharth Roheda, Hamid Krim
Poster	10380: FACT: Fused Attention for Clothing Transfer with Generative Adversarial Networks	Yicheng Zhang, Lei Li, Li Song, Rong Xie, Wenjun Zhang
	Tech Session 9: ML: Unsupervised and Semi-supervised Learning, Clustering	**Tuesday, 11:15-12:30, Concourse A**
Oral	2513: Collaborative Graph Convolutional Networks: Unsupervised Learning Meets Semi-Supervised Learning	Binyuan Hui, Pengfei Zhu, Qinghua Hu
Oral	8842: An Objective for Hierarchical Clustering in Euclidean Space and Its Connection to Bisecting K-Means	Yuyan Wang, Benjamin Moseley
Poster	526: Logo-2K+: A Large-Scale Logo Dataset for Scalable Logo Classification	Jing Wang, Weiqing Min, Sujuan Hou, Shengnan Ma, Yuanjie Zheng, Haishuai Wang, Shuqiang Jiang
Poster	1364: Multi-Stage Self-Supervised Learning for Graph Convolutional Networks on Graphs with Few Labeled Nodes	Ke Sun, Zhouchen Lin, Zhanxing Zhu
Poster	2129: Unsupervised Deep Learning via Affinity Diffusion	Jiabo Huang, Qi Dong, Shaogang Gong, Xiatian Zhu
Poster	2462: Suspicion-Free Adversarial Attacks on Clustering Algorithms	Anshuman Chhabra, Abhishek Roy, Prasant Mohapatra
Poster	2755: SNEQ: Semi-Supervised Attributed Network Embedding with Attention-Based Quantisation	Tao He, Lianli Gao, Jingkuan Song, Xin Wang, Kejie Huang, Yuan-Fang Li
Poster	3247: Measuring and Relieving the Over-Smoothing Problem for Graph Neural Networks from the Topological View	Deli Chen, Yankai Lin, Wei Li, Peng Li, Jie Zhou, Xu Sun
Poster	3667: Learning Student Networks with Few Data	Shumin Kong, Tianyu Guo, Shan You, Chang Xu

Poster	4078: A Three-Level Optimization Model for Nonlinearly Separable Clustering	Liang Bai, Jiye Liang
Poster	6418: Time2Graph: Revisiting Time Series Modeling with Dynamic Shapelets	Ziqiang Cheng, Yang Yang, Wei Wang, Wenjie Hu, Yueting Zhuang, Guojie Song
Poster	6858: Learning Feature Interactions with Lorentzian Factorization Machine	Canran Xu, Ming Wu
Poster	7264: Transfer Learning for Anomaly Detection through Localized and Unsupervised Instance Selection	Vincent Vercruyssen, Wannes Meert, Jesse Davis
Poster	7364: Semi-Supervised Learning for Maximizing the Partial AUC	Tomoharu Iwata, Akinori Fujino, Naonori Ueda
Poster	7380: Multi-Component Graph Convolutional Collaborative Filtering	Xiao Wang, Ruijia Wang, Chuan Shi, Guojie Song, Qingyong Li
Poster	8199: Exploiting Spatial Invariance for Scalable Unsupervised Object Tracking	Eric Crawford, Joelle Pineau
Poster	8856: TapNet: Multivariate Time Series Classification with Attentional Prototypical Network	Xuchao Zhang, Yifeng Gao, Jessica Lin, Chang-Tien Lu
Poster	8878: Data Programming Using Continuous and Quality-Guided Labeling Functions	Oishik Chatterjee, Ganesh Ramakrishnan, Sunita Sarawagi
Poster	9534: Towards Hands-Free Visual Dialog Interactive Recommendation	Tong Yu, Yilin Shen, Hongxia Jin
	Tech Session 10: Learning in Multiagent Systems and Game Theory	**Tuesday, 11:15-12:30, Gibson**
Oral	2405: Bi-Level Actor-Critic for Multi-Agent Coordination	Haifeng Zhang, Weizhe Chen, Zeren Huang, Minne Li, Yaodong Yang, Weinan Zhang, Jun Wang
Oral	6161: On the Convergence of Model Free Learning in Mean Field Games	Romuald Elie, Julien Pérolat, Mathieu Laurière, Matthieu Geist, Olivier Pietquin
Poster	2318: SMIX(lambda): Enhancing Centralized Value Functions for Cooperative Multi-Agent Reinforcement Learning	Chao Wen, Xinghu Yao, Yuhui Wang, Xiaoyang Tan
Poster	3962: Multi-Agent Actor-Critic with Hierarchical Graph Attention Network	Heechang Ryu, Hayong Shin, Jinkyoo Park
Poster	4330: Improving Policies via Search in Cooperative Partially Observable Games	Adam Lerer, Hengyuan Hu, Jakob Foerster, Noam Brown
	Tech Session 11: Humans and AI	**Tuesday, 11:15-12:30, Clinton**
Oral	923: A Framework for Engineering Human/Agent Teaming Systems	Rick Evertsz, John Thangarajah
Oral	1783: Corpus-Level End-to-End Exploration for Interactive Systems	Zhiwen Tang, Grace Hui Yang
Oral	6571: Regression under Human Assistance	Abir De, Paramita Koley, Niloy Ganguly, Manuel Gomez-Rodriguez
Poster	383: Reinforcement Learning from Imperfect Demonstrations under Soft Expert Guidance	Mingxuan Jing, Xiaojian Ma, Wenbing Huang, Fuchun Sun, Chao Yang, Bin Fang, Huaping Liu
Poster	2122: TrueLearn: A Family of Bayesian Algorithms to Match Lifelong Learners to Open Educational Resources	Sahan Bulathwela, María Pérez-Ortiz, Emine Yilmaz, John Shawe-Taylor
Poster	3605: CoCoX: Generating Conceptual and Counterfactual Explanations via Fault-Lines	Arjun R. Akula, Shuai Wang, Song-Chun Zhu
Poster	6889: A Human-AI Loop Approach for Joint Keyword Discovery and Expectation Estimation in Micropost Event Detection	Akansha Bhardwaj, Jie Yang, Philippe Cudré-Mauroux
Poster	9743: Querying to Find a Safe Policy Under Uncertain Safety Constraints in Markov Decision Processes	Shun Zhang, Edmund H. Durfee, Satinder Singh
	Tech Session 11: Logic and KR: Inference and Reasoning	**Tuesday, 11:15-12:30, Madison**
Oral	6975: Checking Chase Termination over Ontologies of Existential Rules with Equality	David Carral, Jacopo Urbani
Oral	8393: Answering Conjunctive Queries with Inequalities in *DL-Lite* R	Gianluca Cima, Maurizio Lenzerini, Antonella Poggi
Oral	8397: Query Rewriting for Ontology-Mediated Conditional Answers	Medina Andreşel, Magdalena Ortiz, Mantas Šimkus
Poster	7209: On the Expressivity of ASK Queries in SPARQL	Xiaowang Zhang, Jan Van den Bussche, Kewen Wang, Heng Zhang, Xuanxing Yang, Zhiyong Feng
Poster	7843: Towards Universal Languages for Tractable Ontology Mediated Query Answering	Heng Zhang, Yan Zhang, Jia-Huai You, Zhiyong Feng, Guifei Jiang
Poster	8547: Epistemic Integrity Constraints for Ontology-Based Data Management	Marco Console, Maurizio Lenzerini
	Tech Session 11: Mechanism Design and Fair Allocation	**Tuesday, 11:15-12:30, Morgan**
Oral	4282: Robust Market Equilibria with Uncertain Preferences	Riley Murray, Christian Kroer, Alex Peysakhovich, Parikshit Shah
Oral	4617: Online Second Price Auction with Semi-Bandit Feedback under the Non-Stationary Setting	Haoyu Zhao, Wei Chen
Oral	9394: Limitations of Incentive Compatibility on Discrete Type Spaces	Taylor Lundy, Hu Fu
Poster	4389: The Surprising Power of Hiding Information in Facility Location	Safwan Hossain, Evi Micha, Nisarg Shah
	Tech Session 11: Social Choice and Voting	**Tuesday, 11:15-12:30, Bryant**
Oral	4403: Can We Predict the Election Outcome from Sampled Votes?	Evi Micha, Nisarg Shah
Oral	5953: Perpetual Voting: Fairness in Long-Term Decision Making	Martin Lackner
Oral	7844: Approval-Based Apportionment	Markus Brill, Paul Gölz, Dominik Peters, Ulrike Schmidt-Kraepelin, Kai Wilker
Poster	8061: Electing Successive Committees: Complexity and Algorithms	Robert Bredereck, Andrzej Kaczmarczyk, Rolf Niedermeier
Poster	9014: Facility Location Problem with Capacity Constraints: Algorithmic and Mechanism Design Perspectives	Haris Aziz, Hau Chan, Barton E. Lee, Bo Li, Toby Walsh
12:30 - 3:00pm		
	AAAI	**Tuesday, 12:30-3:00, Rhinelander Gallery**

	AI Job Fair	
2:00 - 3:30pm		
	Tech Session 1: Application: Data Mining, Network/Graph Modeling and Algorithms, Transportation	**Tuesday, 2:00-3:30, Beekman**
Oral	4815: Hiding in Multilayer Networks	Marcin Waniek, Tomasz P. Michalak, Talal Rahwan
Oral	10070: MIDAS: Microcluster-Based Detector of Anomalies in Edge Streams	Siddharth Bhatia, Bryan Hooi, Minji Yoon, Kijung Shin, Christos Faloutsos
Oral	10162: TellTail: Fast Scoring and Detection of Dense Subgraphs	Bryan Hooi, Kijung Shin, Hemank Lamba, Christos Faloutsos
Poster	1856: Unsupervised Nonlinear Feature Selection from High-Dimensional Signed Networks	Qiang Huang, Tingyu Xia, Huiyan Sun, Makoto Yamada, Yi Chang
Poster	2172: Graph Few-Shot Learning via Knowledge Transfer	Huaxiu Yao, Chuxu Zhang, Ying Wei, Meng Jiang, Suhang Wang, Junzhou Huang, Nitesh V. Chawla, Zhenhui Li
Poster	2220: GMAN: A Graph Multi-Attention Network for Traffic Prediction	Chuanpan Zheng, Xiaoliang Fan, Cheng Wang, Jianzhong Qi
Poster	2343: Order Matters: Semantic-Aware Neural Networks for Binary Code Similarity Detection	Zeping Yu, Rui Cao, Qiyi Tang, Sen Nie, Junzhou Huang, Shi Wu
Poster	2613: Potential Passenger Flow Prediction: A Novel Study for Urban Transportation Development	Yongshun Gong, Zhibin Li, Jian Zhang, Wei Liu, Jinfeng Yi
Poster	2994: FlowScope: Spotting Money Laundering Based on Graphs	Xiangfeng Li, Shenghua Liu, Zifeng Li, Xiaotian Han, Chuan Shi, Bryan Hooi, He Huang, Xueqi Cheng
Poster	3800: Federated Latent Dirichlet Allocation: A Local Differential Privacy Based Framework	Yansheng Wang, Yongxin Tong, Dingyuan Shi
Poster	4182: Efficiently Enumerating Substrings with Statistically Significant Frequencies of Locally Optimal Occurrences in Gigantic String	Atsuyoshi Nakamura, Ichigaku Takigawa, Hiroshi Mamitsuka
Poster	4431: MixedAD: A Scalable Algorithm for Detecting Mixed Anomalies in Attributed Graphs	Mengxiao Zhu, Haogang Zhu
Poster	4913: Dynamic Malware Analysis with Feature Engineering and Feature Learning	Zhaoqi Zhang, Panpan Qi, Wei Wang
Poster	5779: Proximity Preserving Binary Code Using Signed Graph-Cut	Inbal Lavi, Shai Avidan, Yoram Singer, Yacov Hel-Or
Poster	7044: Multi-Scale Anomaly Detection on Attributed Networks	Leonardo Gutiérrez-Gomez, Alexandre Bovet, Jean-Charles Delvenne
Poster	8074: Spatial-Temporal Synchronous Graph Convolutional Networks: A New Framework for Spatial-Temporal Network Data Forecasting	Chao Song, Youfang Lin, Shengnan Guo, Huaiyu Wan
Poster	9223: Learning Geo-Contextual Embeddings for Commuting Flow Prediction	Zhicheng Liu, Fabio Miranda, Weiting Xiong, Junyan Yang, Qiao Wang, Claudio T. Silva
Poster	9722: Fairness-Aware Demand Prediction for New Mobility	An Yan, Bill Howe
	Tech Session 2: NLP: Representation Learning, Summarization	**Tuesday, 2:00-3:30, Sutton North**
Oral	1027: Federated Learning for Vision-and-Language Grounding Problems	Fenglin Liu, Xian Wu, Shen Ge, Wei Fan, Yuexian Zou
Oral	4255: Rare Words: A Major Problem for Contextualized Embeddings and How to Fix It by Attentive Mimicking	Timo Schick, Hinrich Schütze
Oral	8809: ERNIE 2.0: A Continual Pre-Training Framework for Language Understanding	Yu Sun, Shuohuan Wang, Yukun Li, Shikun Feng, Hao Tian, Hua Wu, Haifeng Wang
Poster	1070: Document Summarization with VHTM:Variational Hierarchical Topic-Aware Mechanism	Xiyan Fu, Jun Wang, Jinghan Zhang, Jinmao Wei, Zhenglu Yang
Poster	1396: Joint Character-Level Word Embedding and Adversarial Stability Training to Defend Adversarial Text	Hui Liu, Yongzheng Zhang, Yipeng Wang, Zheng Lin, Yige Chen
Poster	1743: Probing Brain Activation Patterns by Dissociating Semantics and Syntax in Sentences	Shaonan Wang, Jiajun Zhang, Nan Lin, Chengqing Zong
Poster	2038: ABSent: Cross-Lingual Sentence Representation Mapping with Bidirectional GANs	Zuohui Fu, Yikun Xian, Shijie Geng, Yingqiang Ge, Yuting Wang, Xin Dong, Guang Wang, Gerard de Melo
Poster	2072: Semantics-Aware BERT for Language Understanding	Zhuosheng Zhang, Yuwei Wu, Hai Zhao, Zuchao Li, Shuailiang Zhang, Xi Zhou, Xiang Zhou
Poster	2853: Importance-Aware Learning for Neural Headline Editing	Qingyang Wu, Lei Li, Hao Zhou, Ying Zeng, Zhou Yu
Poster	5350: Guiding Attention in Sequence-to-Sequence Models for Dialogue Act Prediction	Pierre Colombo, Emile Chapuis, Matteo Manica, Emmanuel Vignon, Giovanna Varni, Chloe Clavel
Poster	5528: Enhancing Pointer Network for Sentence Ordering with Pairwise Ordering Predictions	Yongjing Yin, Fandong Meng, Jinsong Su, Yubin Ge, Linfeng Song, Jie Zhou, Jiebo Luo
Poster	7050: MultiSumm: Towards a Unified Model for Multi-Lingual Abstractive Summarization	Yue Cao, Xiaojun Wan, Jin-ge Yao, Dian Yu
Poster	7098: Generalize Sentence Representation with Self-Inference	Kai-Chou Yang, Hung-Yu Kao
Poster	7357: Multi-Task Learning for Metaphor Detection with Graph Convolutional Neural Networks and Word Sense Disambiguation	Duong Minh Le, My Thai, Thien Huu Nguyen
Poster	8401: Evaluating Commonsense in Pre-Trained Language Models	Xuhui Zhou, Yue Zhang, Leyang Cui, Dandan Huang
Poster	9156: Attending to Entities for Better Text Understanding	Pengxiang Cheng, Katrin Erk
Poster	9252: Latent Relation Language Models	Hiroaki Hayashi, Zecong Hu, Chenyan Xiong, Graham Neubig
Poster	10285: Modality to Modality Translation: An Adversarial Representation Learning and Graph Fusion Network for Multimodal Fusion	Sijie Mai, Haifeng Hu, Songlong Xing
	Tech Session 3: NLP: Semantics and Summarization	**Tuesday, 2:00-3:30, Sutton South**

Oral	3184: Graph-Based Transformer with Cross-Candidate Verification for Semantic Parsing	Bo Shao, Yeyun Gong, Weizhen Qi, Guihong Cao, Jianshu Ji, Xiaola Lin
Oral	4968: SensEmBERT: Context-Enhanced Sense Embeddings for Multilingual Word Sense Disambiguation	Bianca Scarlini, Tommaso Pasini, Roberto Navigli
Oral	8044: Semi-Supervised Text Simplification with Back-Translation and Asymmetric Denoising Autoencoders	Yanbin Zhao, Lu Chen, Zhi Chen , Kai Yu
Poster	900: Attractive or Faithful? Popularity-Reinforced Learning for Inspired Headline Generation	Yun-Zhu Song, Hong-Han Shuai, Sung-Lin Yeh, Yi-Lun Wu, Lun-Wei Ku, Wen-Chih Peng
Poster	1087: TemPEST: Soft Template-Based Personalized EDM Subject Generation Through Collaborative Summarization	Yu-Hsiu Chen, Pin-Yu Chen, Hong-Han Shuai, Wen-Chih Peng
Poster	1133: Multimodal Summarization with Guidance of Multimodal Reference	Junnan Zhu, Yu Zhou, Jiajun Zhang, Haoran Li, Chengqing Zong, Changliang Li
Poster	1493: Keywords-Guided Abstractive Sentence Summarization	Haoran Li, Junnan Zhu, Jiajun Zhang, Chengqing Zong, Xiaodong He
Poster	3106: Causally Denoise Word Embeddings Using Half-Sibling Regression	Zekun Yang, Tianlin Liu
Poster	3321: A Causal Inference Method for Reducing Gender Bias in Word Embedding Relations	Zekun Yang, Juan Feng
Poster	3674: Multi-Channel Reverse Dictionary Model	Lei Zhang, Fanchao Qi, Zhiyuan Liu, Yasheng Wang, Qun Liu, Maosong Sun
Poster	5072: CSI: A Coarse Sense Inventory for 85% Word Sense Disambiguation	Caterina Lacerra, Michele Bevilacqua, Tommaso Pasini, Roberto Navigli
Poster	7157: Discriminative Sentence Modeling for Story Ending Prediction	Yiming Cui, Wanxiang Che, Wei-Nan Zhang, Ting Liu, Shijin Wang, Guoping Hu
Poster	7203: SemSUM: Semantic Dependency Guided Neural Abstractive Summarization	Hanqi Jin, Tianming Wang, Xiaojun Wan
Poster	7529: Word-Level Contextual Sentiment Analysis with Interpretability	Tomoki Ito, Kota Tsubouchi, Hiroki Sakaji, Tatsuo Yamashita, Kiyoshi Izumi
Poster	8330: Controlling the Amount of Verbatim Copying in Abstractive Summarization	Kaiqiang Song, Bingqing Wang, Zhe Feng, Liu Ren, Fei Liu
Poster	8467: Joint Parsing and Generation for Abstractive Summarization	Kaiqiang Song, Logan Lebanoff, Qipeng Guo, Xipeng Qiu, Xiangyang Xue, Chen Li, Dong Yu, Fei Liu
Poster	8817: Enhancing Natural Language Inference Using New and Expanded Training Data Sets and New Learning Models	Arindam Mitra, Ishan Shrivastava, Chitta Baral
Poster	9028: Copy or Rewrite: Hybrid Summarization with Hierarchical Reinforcement Learning	Liqiang Xiao, Lu Wang, Hao He, Yaohui Jin
Tech Session 4: Vision: Weak Supervision, Adaptation, Active and Transfer Learning		**Tuesday, 2:00-3:30, Regent**
Oral	1235: Relational Prototypical Network for Weakly Supervised Temporal Action Localization	Linjiang Huang, Yan Huang, Wanli Ouyang, Liang Wang
Oral	5797: Multi-Source Distilling Domain Adaptation	Sicheng Zhao, Guangzhi Wang, Shanghang Zhang, Yang Gu, Yaxian Li, Zhichao Song, Pengfei Xu, Runbo Hu, Hua Chai, Kurt Keutzer
Oral	9449: Adversarial Cross-Domain Action Recognition with Co-Attention	Boxiao Pan, Zhangjie Cao, Ehsan Adeli, Juan Carlos Niebles
Poster	409: Semi-Supervised Learning under Class Distribution Mismatch	Yanbei Chen, Xiatian Zhu, Wei Li, Shaogang Gong
Poster	455: Pose-Assisted Multi-Camera Collaboration for Active Object Tracking	Jing Li, Jing Xu, Fangwei Zhong, Xiangyu Kong, Yu Qiao, Yizhou Wang
Poster	1367: Exploiting Motion Information from Unlabeled Videos for Static Image Action Recognition	Yiyi Zhang, Li Niu, Ziqi Pan, Meichao Luo, Jianfu Zhang, Dawei Cheng, Liqing Zhang
Poster	1972: Adaptive Cross-Modal Embeddings for Image-Text Alignment	Jônatas Wehrmann, Camila Kolling, Rodrigo C. Barros
Poster	2131: Motion-Attentive Transition for Zero-Shot Video Object Segmentation	Tianfei Zhou, Shunzhou Wang, Yi Zhou, Yazhou Yao, Jianwu Li, Ling Shao
Poster	3100: Domain Generalization Using a Mixture of Multiple Latent Domains	Toshihiko Matsuura, Tatsuya Harada
Poster	3261: Weakly-Supervised Video Re-Localization with Multiscale Attention Model	Yung-Han Huang, Kuang-Jui Hsu, Shyh-Kang Jeng, Yen-Yu Lin
Poster	3612: Visual Domain Adaptation by Consensus-Based Transfer to Intermediate Domain	Jongwon Choi, Youngjoon Choi, Jihoon Kim, Jinyeop Chang, Ilhwan Kown, Youngjune Gwon, Seungjai Min
Poster	3879: Zero-Shot Learning from Adversarial Feature Residual to Compact Visual Feature	Bo Liu, Qiulei Dong, Zhanyi Hu
Poster	3935: Multi-Instance Multi-Label Action Recognition and Localization Based on Spatio-Temporal Pre-Trimming for Untrimmed Videos	Xiao-Yu Zhang, Haichao Shi, Changsheng Li, Peng Li
Poster	5312: Background Suppression Network for Weakly-Supervised Temporal Action Localization	Pilhyeon Lee, Youngjung Uh, Hyeran Byun
Poster	5676: Learning Cross-Aligned Latent Embeddings for Zero-Shot Cross-Modal Retrieval	Kaiyi Lin, Xing Xu, Lianli Gao, Zheng Wang, Heng Tao Shen
Poster	6680: Long Short-Term Sample Distillation	Liang Jiang, Zujie Wen, Zhongping Liang, Yafang Wang, Gerard de Melo, Zhe Li, Liangzhuang Ma, Jiaxing Zhang, Xiaolong Li, Yuan Qi
Poster	8429: Robust Conditional GAN from Uncertainty-Aware Pairwise Comparisons	Ligong Han, Ruijiang Gao, Mun Kim, Xin Tao, Bo Liu, Dimitris Metaxas
Poster	8993: Identifying Model Weakness with Adversarial Examiner	Michelle Shu, Chenxi Liu, Weichao Qiu, Alan Yuille

	Tech Session 5: Vision: Human Pose and Motion Analysis, Detection, Modeling	**Tuesday, 2:00-3:30, Gramercy**
Oral	138: Pose-Guided Multi-Granularity Attention Network for Text-Based Person Search	Ya Jing, Chenyang Si, Junbo Wang, Wei Wang, Liang Wang, Tieniu Tan
Oral	1557: Hierarchical Online Instance Matching for Person Search	Di Chen, Shanshan Zhang, Wanli Ouyang, Jian Yang, Bernt Schiele
Oral	6380: Rethinking Temporal Fusion for Video-Based Person Re-Identification on Semantic and Time Aspect	Xinyang Jiang, Yifei Gong, Xiaowei Guo, Qize Yang, Feiyue Huang, Weishi Zheng, Feng Zheng, Xing Sun
Poster	441: UCF-STAR: A Large-Scale Still Image Dataset for Understanding Human Actions	Marjaneh Safaei, Pooyan Balouchian, Hassan Foroosh
Poster	1407: Single Camera Training for Person Re-Identification	Tianyu Zhang, Lingxi Xie, Longhui Wei, Yongfei Zhang, Bo Li, Qi Tian
Poster	1424: Graph Attention Based Proposal 3D ConvNets for Action Detection	Jun Li, Xianglong Liu, Zhuofan Zong, Wanru Zhao, Mingyuan Zhang, Jingkuan Song
Poster	1658: Release the Power of Online-Training for Robust Visual Tracking	Yifan Yang, Guorong Li, Yuankai Qi, Qingming Huang
Poster	1807: OVL: One-View Learning for Human Retrieval	Wenjing Li, Zhongcheng Wu
Poster	2051: Cross-Modality Paired-Images Generation for RGB-Infrared Person Re-Identification	Guan-An Wang, Tianzhu Zhang, Yang Yang, Jian Cheng, Jianlong Chang, Xu Liang, Zengguang Hou
Poster	2669: Semantics-Aligned Representation Learning for Person Re-Identification	Xin Jin, Cuiling Lan, Wenjun Zeng, Guoqiang Wei, Zhibo Chen
Poster	2778: End-to-End Thorough Body Perception for Person Search	Kun Tian, Houjing Huang, Yun Ye, Shiyu Li, Jinbin Lin, Guan Huang
Poster	4425: 3D Human Pose Estimation Using Spatio-Temporal Networks with Explicit Occlusion Training	Yu Cheng, Bo Yang, Bo Wang, Robby T. Tan
Poster	4870: Progressive Boundary Refinement Network for Temporal Action Detection	Qinying Liu, Zilei Wang
Poster	5370: Progressive Bi-C3D Pose Grammar for Human Pose Estimation	Lu Zhou, Yingying Chen, Jinqiao Wang, Hanqing Lu
Poster	7454: Geometry-Driven Self-Supervised Method for 3D Human Pose Estimation	Yang Li, Kan Li, Shuai Jiang, Ziyue Zhang, Congzhentao Huang, Richard Yi Da Xu
Poster	7786: Viewpoint-Aware Loss with Angular Regularization for Person Re-Identification	Zhihui Zhu, Xinyang Jiang, Feng Zheng, Xiaowei Guo, Feiyue Huang, Xing Sun, Weishi Zheng
Poster	7803: CF-LSTM: Cascaded Feature-Based Long Short-Term Networks for Predicting Pedestrian Trajectory	Yi Xu, Jing Yang, Shaoyi Du
Poster	8881: Crowd Counting with Decomposed Uncertainty	Min-hwan Oh, Peder A. Olsen, Karthikeyan Natesan Ramamurthy
	Tech Session 6: ML: Neural Nets Theory, Models and Algorithms	**Tuesday, 2:00-3:30, Murray Hill**
Oral	5937: Adaptive Convolutional ReLUs	Hongyang Gao, Lei Cai, Shuiwang Ji
Oral	6583: Effective AER Object Classification Using Segmented Probability-Maximization Learning in Spiking Neural Networks	Qianhui Liu, Haibo Ruan, Dong Xing, Huajin Tang , Gang Pan
Oral	6746: Temporal Network Embedding with High-Order Nonlinear Information	Zhenyu Qiu, Wenbin Hu, Jia Wu, Weiwei Liu, Bo Du, Xiaohua Jia
Poster	1264: Stable Prediction with Model Misspecification and Agnostic Distribution Shift	Kun Kuang, Ruoxuan Xiong, Peng Cui, Susan Athey, Bo Li
Poster	2977: Topic Modeling on Document Networks with Adjacent-Encoder	Ce Zhang, Hady W. Lauw
Poster	3697: A Restricted Black-Box Adversarial Framework Towards Attacking Graph Embedding Models	Heng Chang, Yu Rong, Tingyang Xu, Wenbing Huang, Honglei Zhang, Peng Cui, Wenwu Zhu, Junzhou Huang
Poster	4300: Deep Reservoir Computing Meets 5G MIMO-OFDM Systems in Symbol Detection	Zhou Zhou, Lingjia Liu, Vikram Chandrasekhar, Jianzhong Zhang, Yang Yi
Poster	4387: Motif-Matching Based Subgraph-Level Attentional Convolution Network for Graph Classification	Hao Peng, Jianxin Li, Qiran Gong, Yuanxing Ning, Senzhang Wang, Lifang He
Poster	4681: Graph Representation Learning via Ladder Gamma Variational Autoencoders	Arindam Sarkar, Nikhil Mehta, Piyush Rai
Poster	5197: Effective Decoding in Graph Auto-Encoder using Triadic Closure	Han Shi, Haozheng Fan, James T. Kwok
Poster	5616: Attention-Guide Walk Model in Heterogeneous Information Network for Multi-Style Recommendation Explanation	Xin Wang, Ying Wang, Yunzhi Ling
Poster	5642: Deep Spiking Delayed Feedback Reservoirs and Its Application in Spectrum Sensing of MIMO-OFDM Dynamic Spectrum Sharing	Kian Hamedani, Lingjia Liu, Shiya Liu, Haibo He, Yang Yi
Poster	6413: Multi-Range Attentive Bicomponent Graph Convolutional Network for Traffic Forecasting	Weiqi Chen, Ling Chen, Yu Xie, Wei Cao, Yusong Gao, Xiaojie Feng
Poster	7432: GraLSP: Graph Neural Networks with Local Structural Patterns	Yilun Jin, Guojie Song, Chuan Shi
Poster	7822: Biologically Plausible Sequence Learning with Spiking Neural Networks	Zuozhu Liu, Thiparat Chotibut, Christopher Hillar, Shaowei Lin
Poster	8782: Unsupervised Attributed Multiplex Network Embedding	Chanyoung Park, Donghyun Kim, Jiawei Han, Hwanjo Yu
Poster	9071: Graph-Hist: Graph Classification from Latent Feature Histograms with Application to Bot Detection	Thomas Magelinski, David Beskow, Kathleen M. Carley
Poster	9408: DGE: Deep Generative Network Embedding Based on Commonality and Individuality	Sheng Zhou, Xin Wang, Jiajun Bu, Martin Ester, Pinggang Yu, Jiawei Chen, Qihao Shi, Can Wang
	Tech Session 7: Vision: Vision + Language	**Tuesday, 2:00-3:30, Nassau**
Oral	1655: Divide and Conquer: Question-Guided Spatio-Temporal Contextual Attention for Video Question Answering	Jianwen Jiang, Ziqiang Chen, Haojie Lin, Xibin Zhao, Yue Gao
Oral	4189: Visual Dialogue State Tracking for Question Generation	Wei Pang, Xiaojie Wang

Oral	8324: Visual Agreement Regularized Training for Multi-Modal Machine Translation	Pengcheng Yang, Boxing Chen, Pei Zhang, Xu Sun
Poster	482: Learning to Follow Directions in Street View	Karl Moritz Hermann, Mateusz Malinowski, Piotr Mirowski, András Bánki-Horváth, Keith Anderson, Raia Hadsell
Poster	494: Re-Attention for Visual Question Answering	Wenya Guo, Ying Zhang, Xiaoping Wu, Jufeng Yang, Xiangrui Cai, Xiaojie Yuan
Poster	1192: KnowIT VQA: Answering Knowledge-Based Questions about Videos	Noa Garcia, Mayu Otani, Chenhui Chu, Yuta Nakashima
Poster	1374: Learning 2D Temporal Adjacent Networks for Moment Localization with Natural Language	Songyang Zhang, Houwen Peng, Jianlong Fu, Jiebo Luo
Poster	2236: DualVD: An Adaptive Dual Encoding Model for Deep Visual Understanding in Visual Dialogue	Xiaoze Jiang, Jing Yu, Zengchang Qin, Yingying Zhuang, Xingxing Zhang, Yue Hu, Qi Wu
Poster	3499: What Makes a Good Story? Designing Composite Rewards for Visual Storytelling	Junjie Hu, Yu Cheng, Zhe Gan, Jingjing Liu, Jianfeng Gao, Graham Neubig
Poster	3508: Expressing Objects Just like Words: Recurrent Visual Embedding for Image-Text Matching	Tianlang Chen, Jiebo Luo
Poster	3590: When Radiology Report Generation Meets Knowledge Graph	Yixiao Zhang, Xiaosong Wang, Ziyue Xu, Qihang Yu, Alan Yuille, Daguang Xu
Poster	3705: Temporally Grounding Language Queries in Videos by Contextual Boundary-Aware Prediction	Jingwen Wang, Lin Ma, Wenhao Jiang
Poster	3711: Recurrent Nested Model for Sequence Generation	Wenhao Jiang, Lin Ma, Wei Lu
Poster	3970: Interactive Dual Generative Adversarial Networks for Image Captioning	Junhao Liu, Kai Wang, Chunpu Xu, Zhou Zhao, Ruifeng Xu, Ying Shen, Min Yang
Poster	4566: Feature Deformation Meta-Networks in Image Captioning of Novel Objects	Tingjia Cao, Ke Han, Xiaomei Wang, Lin Ma, Yanwei Fu, Yu-Gang Jiang, Xiangyang Xue
Poster	5371: Location-Aware Graph Convolutional Networks for Video Question Answering	Deng Huang, Peihao Chen, Runhao Zeng, Qing Du, Mingkui Tan, Chuang Gan
Poster	5521: Explanation vs Attention: A Two-Player Game to Obtain Attention for VQA	Badri N. Patro, Anupriy, Vinay P. Namboodiri
Poster	8768: MANYMODALQA: Modality Disambiguation and QA over Diverse Inputs	Darryl Hannan, Akshay Jain, Mohit Bansal
Tech Session 8: ML: Supervised Learning		**Tuesday, 2:00-3:30, Concourse A**
Oral	4140: Efficient Inference of Optimal Decision Trees	Florent Avellaneda
Oral	8649: Learning Optimal Decision Trees Using Caching Branch-and-Bound Search	Gaël Aglin, Siegfried Nijssen, Pierre Schaus
Oral	9935: Class Prior Estimation with Biased Positives and Unlabeled Examples	Shantanu Jain, Justin D. Delano, Himanshu Sharma, Predrag Radivojac
Poster	337: Residual Neural Processes	Byung-Jun Lee, Seunghoon Hong, Kee-Eung Kim
Poster	546: Efficient Automatic CASH via Rising Bandits	Yang Li, Jiawei Jiang, Jinyang Gao, Yingxia Shao, Ce Zhang, Bin Cui
Poster	669: Practical Federated Gradient Boosting Decision Trees	Qinbin Li, Zeyi Wen, Bingsheng He
Poster	935: Loss-Based Attention for Deep Multiple Instance Learning	Xiaoshuang Shi, Fuyong Xing, Yuanpu Xie, Zizhao Zhang, Lei Cui, Lin Yang
Poster	1251: Stochastic Loss Function	Qingliang Liu, Jinmei Lai
Poster	1629: AutoDAL: Distributed Active Learning with Automatic Hyperparameter Selection	Xu Chen, Brett Wujek
Poster	2425: Estimating Stochastic Linear Combination of Non-Linear Regressions	Di Wang, Xiangyu Guo, Chaowen Guan, Shi Li, Jinhui Xu
Poster	3081: Safe Sample Screening for Robust Support Vector Machine	Zhou Zhai, Bin Gu, Xiang Li, Heng Huang
Poster	3743: Adversarial Transformations for Semi-Supervised Learning	Teppei Suzuki, Ikuro Sato
Poster	5191: Relative Attributing Propagation: Interpreting the Comparative Contributions of Individual Units in Deep Neural Networks	Woo Jeoung Nam, Shir Gur, Jaesik Choi, Lior Wolf, Seong-Whan Lee
Poster	6326: Nonlinear System Identification via Tensor Completion	Nikos Kargas, Nicholas D. Sidiropoulos
Poster	8407: Block Hankel Tensor ARIMA for Multiple Short Time Series Forecasting	Qiquan Shi, Jiaming Yin, Jiajun Cai, Andrzej Cichocki, Tatsuya Yokota, Lei Chen, Mingxuan Yuan, Jia Zeng
Poster	8859: Partial Label Learning with Batch Label Correction	Yan Yan, Yuhong Guo
Poster	9147: Fast Nonparametric Estimation of Class Proportions in the Positive-Unlabeled Classification Setting	Daniel Zeiberg, Shantanu Jain, Predrag Radivojac
Poster	10128: Efficient Verification of ReLU-Based Neural Networks via Dependency Analysis	Elena Botoeva, Panagiotis Kouvaros, Jan Kronqvist, Alessio Lomuscio, Ruth Misener
Tech Session 9: Learning in Multiagent Systems and Game Theory		**Tuesday, 2:00-3:30, Gibson**
Oral	5701: Shapley Q-Value: A Local Reward Approach to Solve Global Reward Games	Jianhong Wang, Yuan Zhang, Tae-Kyun Kim, Yunjie Gu
Oral	10031: Generative Attention Networks for Multi-Agent Behavioral Modeling	Guangyu Li, Bo Jiang, Hao Zhu, Zhengping Che, Yan Liu
Poster	1513: Arena: A General Evaluation Platform and Building Toolkit for Multi-Agent Intelligence	Yuhang Song, Andrzej Wojcicki, Thomas Lukasiewicz, Jianyi Wang, Abi Aryan, Zhenghua Xu, Mai Xu, Zihan Ding, Lianlong Wu
Poster	2416: Multi-Agent Game Abstraction via Graph Attention Neural Network	Yong Liu, Weixun Wang, Yujing Hu, Jianye Hao, Xingguo Chen, Yang Gao
Poster	5248: Learning the Value of Teamwork to Form Efficient Teams	Ryan Beal, Narayan Changder, Timothy J. Norman, Sarvapali D. Ramchurn

Poster	5764: Communication Learning via Backpropagation in Discrete Channels with Unknown Noise	Benjamin Freed, Guillaume Sartoretti, Jiaheng Hu, Howie Choset	
Poster	6382: Scalable Decision-Theoretic Planning in Open and Typed Multiagent Systems	Adam Eck, Maulik Shah, Prashant Doshi, Leen-Kiat Soh	
	Tech Session 10: Satisfiability	**Tuesday, 2:00-3:30, Clinton**	
Oral	3516: Hard Examples for Common Variable Decision Heuristics	Marc Vinyals	
Oral	6155: ADDMC: Weighted Model Counting with Algebraic Decision Diagrams	Jeffrey M. Dudek, Vu H. N. Phan, Moshe Y. Vardi	
Oral	10399: Estimating the Density of States of Boolean Satisfiability Problems on Classical and Quantum Computing Platforms	Tuhin Sahai, Anurag Mishra, Jose Miguel Pasini, Susmit Jha	
Poster	3390: Augmenting the Power of (Partial) MaxSat Resolution with Extension	Javier Larrosa, Emma Rollon	
Poster	7298: Learning MAX-SAT from Contextual Examples for Combinatorial Optimisation	Mohit Kumar, Samuel Kolb, Stefano Teso, Luc De Raedt	
	Tech Session 11: Cognitive Modeling	**Tuesday, 2:00-3:30, Madison**	
Oral	178: Machine Number Sense: A Dataset of Visual Arithmetic Problems for Abstract and Relational Reasoning	Wenhe Zhang, Chi Zhang, Yixin Zhu, Song-Chun Zhu	
Oral	5623: The Efficiency of Human Cognition Reflects Planned Information Processing	Mark K. Ho, David Abel, Jonathan D. Cohen, Michael L. Littman, Thomas L. Griffiths	
Poster	4442: Transfer Reinforcement Learning Using Output-Gated Working Memory	Arthur S. Williams, Joshua L. Phillips	
Poster	4481: Generative Continual Concept Learning	Mohammad Rostami, Soheil Kolouri, James McClelland, Praveen Pilly	
Poster	7493: Synch-Graph: Multisensory Emotion Recognition through Neural Synchrony via Graph Convolutional Networks	Esma Mansouri-Benssassi, Juan Ye	
	Tech Session 12: Game Theory: Matching and Coalitions	**Tuesday, 2:00-3:30, Morgan**	
Oral	3498: Swap Stability in Schelling Games on Graphs	Aishwarya Agarwal, Edith Elkind, Jiarui Gan, Alexandros A. Voudouris	
Oral	5492: Adapting Stable Matchings to Evolving Preferences	Robert Bredereck, Jiehua Chen, Dušan Knop, Junjie Luo, Rolf Niedermeier	
Oral	8936: Individual-Based Stability in Hedonic Diversity Games	Niclas Boehmer, Edith Elkind	
Poster	1777: Computing Equilibria in Binary Networked Public Goods Games	Sixie Yu, Kai Zhou, P. Jeffrey Brantingham, Yevgeniy Vorobeychik	
Poster	8527: Strategyproof Mechanisms for Friends and Enemies Games	Michele Flammini, Bojana Kodric, Giovanna Varricchio	
	Tech Session 13: Mechanism Design	**Tuesday, 2:00-3:30, Bryant**	
Oral	1796: Preventing Arbitrage from Collusion When Eliciting Probabilities	Rupert Freeman, David M. Pennock, Dominik Peters, Bo Waggoner	
Oral	2162: Multiagent Evaluation Mechanisms	Tal Alon, Magdalen Dobson, Ariel D. Procaccia, Inbal Talgam-Cohen, Jamie Tucker-Foltz	
Oral	9455: Strongly Budget Balanced Auctions for Multi-Sided Markets	Rica Gonen, Erel Segal-Halevi	
Poster	792: VCG under Sybil (False-Name) Attacks – a Bayesian Analysis	Yotam Gafni, Ron Lavi, Moshe Tennenholtz	
Poster	1547: A Multiarmed Bandit Based Incentive Mechanism for a Subset Selection of Customers for Demand Response in Smart Grids	Shweta Jain, Sujit Gujar	
Poster	4978: Incentive-Compatible Classification	Yakov Babichenko, Oren Dean, Moshe Tennenholtz	
Poster	6063: Deep Learning-Powered Iterative Combinatorial Auctions	Jakob Weissteiner, Sven Seuken	
Poster	6150: Strategy-Proof and Non-Wasteful Multi-Unit Auction via Social Network	Takehiro Kawasaki, Nathanaël Barrot, Seiji Takanashi, Taiki Todo, Makoto Yokoo	
Poster	6620: Reinforcement Mechanism Design: With Applications to Dynamic Pricing in Sponsored Search Auctions	Weiran Shen, Binghui Peng, Hanpeng Liu, Michael Zhang, Ruohan Qian, Yan Hong, Zhi Guo, Zongyao Ding, Pengjun Lu, Pingzhong Tang	
Poster	6724: The Effectiveness of Peer Prediction in Long-Term Forecasting	Debmalya Mandal, Goran Radanović, David C. Parkes	
Poster	6960: Optimal Common Contract with Heterogeneous Agents	Shenke Xiao, Zihe Wang, Mengjing Chen, Pingzhong Tang, Xiwang Yang	
Poster	8345: A Multi-Unit Profit Competitive Mechanism for Cellular Traffic Offloading	Jun Wu, Yu Qiao, Lei Zhang, Chongjun Wang, Meilin Liu	
Poster	9922: Information Elicitation Mechanisms for Statistical Estimation	Yuqing Kong, Grant Schoenebeck, Biaoshuai Tao, Fang-Yi Yu	
3:00 - 5:00pm			
	Diversity and Inclusion	**Tuesday, 3:00-5:00, New York**	
	Mid-Career Diversity Tea and Cake	Rosina Weber and Karen Myers	
3:50 - 4:40pm		Rosina Weber and Karen Myers	
	AAAI	**Tuesday, 3:50-4:40, Grand Ballroom**	
	AAAI-20 Invited Talk: The Economic Value of Data for Targeted Pricing	**Susan Athey, Stanford University**	
4:45 - 6:15pm			
	AAAI	**Tuesday, 4:45-6:15, Grand Ballroom**	
	AAAI-20 AI History Panel: Advancing AI by Playing Games	**Moderator: Amy Greenwald; Panelists: Murray Campbell, Michael Bowling, and Hiroaki Kitano**	
6:30 - 8:30pm			
	AAAI	**Tuesday, 6:30-8:30, Americas Hall I/II**	
	AAAI-20 Poster / Demo Session 3		
8:00 - 10:00pm			
	AAAI	**Tuesday, 8:00-10:00, Room TBD**	

	AAAI-20 Games Night	

Wednesday, February 12

8:50 - 9:50am

	AAAI	Wednesday, 8:50-9:50, Grand Ballroom
	AAAI-20 Invited Talk	Stuart Russell, University of California, Berkeley

10:00 - 11:15am

	AI in Practice	Wednesday, 10:00-10:05, Grand Ballroom
	Opening Remarks	Evgeniy Gabrilovich and Ashish Jha, AI in Practice Cochairs
	AI in Practice	Wednesday, 10:05-10:50, Grand Ballroom
	Plenary Talk	Vivian Lee, Verily Life Sciences
	AI in Practice	Wednesday, 10:50-11:15, Grand Ballroom
	Invited Talk: Following the Money: Expected and Unexpected Payoff for AI in Medicine	Isaac Kohane, Harvard Medical School

10:00 - 11:00am

	Tech Session 1: NLP: Discourse and Pragmatics	Wednesday, 10:00-11:00, Trianon
Oral	1634: Multi-Task Self-Supervised Learning for Disfluency Detection	Shaolei Wang, Wanxiang Che, Qi Liu, Pengda Qin, Ting Liu, William Yang Wang
Oral	9629: Top-down RST Parsing Utilizing Granularity Levels in Documents	Naoki Kobayashi, Tsutomu Hirao, Hidetaka Kamigaito, Manabu Okumura, Masaaki Nagata
Oral	9975: Discourse Level Factors for Sentence Deletion in Text Simplification	Yang Zhong, Chao Jiang, Wei Xu, Junyi Jessy Li
	Tech Session 2: Application: Physical Science	Wednesday, 10:00-11:00, Beekman
Oral	1337: HDK: Toward High-Performance Deep-Learning-Based Kirchhoff Analysis	Xinying Wang, Olamide Timothy Tawose, Feng Yan, Dongfang Zhao
Oral	8580: A Deep Neural Network Model of Particle Thermal Radiation in Packed Bed	Hao Wu, Shuang Hao
Oral	9161: True Nonlinear Dynamics from Incomplete Networks	Chunheng Jiang, Jianxi Gao, Malik Magdon-Ismail
	Tech Session 3: NLP: Learning for NLP	Wednesday, 10:00-11:00, Sutton North
Oral	1145: Learning to Learn Morphological Inflection for Resource-Poor Languages	Katharina Kann, Samuel R. Bowman, Kyunghyun Cho
Oral	5299: Structure Learning for Headline Generation	Ruqing Zhang, Jiafeng Guo, Yixing Fan, Yanyan Lan, Xueqi Cheng
Oral	6741: Graph Transformer for Graph-to-Sequence Learning	Deng Cai, Wai Lam
	Tech Session 5: NLP: Syntax and Semantics	Wednesday, 10:00-11:00, Sutton South
Oral	1590: Lexical Simplification with Pretrained Encoders	Jipeng Qiang, Yun Li, Yi Zhu, Yunhao Yuan, Xindong Wu
Oral	2109: Discontinuous Constituent Parsing with Pointer Networks	Daniel Fernández-González, Carlos Gómez-Rodríguez
Oral	3436: On Measuring and Mitigating Biased Inferences of Word Embeddings	Sunipa Dev, Tao Li, Jeff M. Phillips, Vivek Srikumar
	Tech Session 6: Vision: Image Retrieval, Ranking, Recognition	Wednesday, 10:00-11:00, Regent
Oral	8502: Learning Light Field Angular Super-Resolution via a Geometry-Aware Network	Jing Jin, Junhui Hou, Hui Yuan, Sam Kwong
Oral	10348: Stereoscopic Image Super-Resolution with Stereo Consistent Feature	Wonil Song, Sungil Choi, Somi Jeong, Kwanghoon Sohn
Oral	10517: Mining on Heterogeneous Manifolds for Zero-Shot Cross-Modal Image Retrieval	Fan Yang, Zheng Wang, Jing Xiao, Shin'chi Satoh
	Tech Session 7: Vision: Synthesis and Generation	Wednesday, 10:00-11:00, Gramercy
Oral	1706: Dynamic Instance Normalization for Arbitrary Style Transfer	Yongcheng Jing, Xiao Liu, Yukang Ding, Xinchao Wang, Errui Ding, Mingli Song, Shilei Wen
Oral	3470: FET-GAN: Font and Effect Transfer via K-Shot Adaptive Instance Normalization	Wei Li, Yongxing He, Yanwei Qi, Zejian Li, Yongchuan Tang
Oral	7490: Ultrafast Photorealistic Style Transfer via Neural Architecture Search	Jie An, Haoyi Xiong, Jun Huan, Jiebo Luo
	Tech Session 8: ML: Probabilistic Methods	Wednesday, 10:00-11:00, Murray Hill
Oral	38: Regularized Wasserstein Means for Aligning Distributional Data	Liang Mi, Wen Zhang, Yalin Wang
Oral	6106: Solving General Elliptical Mixture Models through an Approximate Wasserstein Manifold	Shengxi Li, Zeyang Yu, Min Xiang, Danilo Mandic
Oral	9590: Bridging Maximum Likelihood and Adversarial Learning via alpha-Divergence	Miaoyun Zhao, Yulai Cong, Shuyang Dai, Lawrence Carin
	Tech Session 9: ML: Optimization	Wednesday, 10:00-11:00, Nassau
Oral	4977: Bayesian Optimization for Categorical and Category-Specific Continuous Inputs	Dang Nguyen, Sunil Gupta, Santu Rana, Alistair Shilton, Svetha Venkatesh
Oral	5259: Achieving Fairness in the Stochastic Multi-Armed Bandit Problem	Vishakha Patil, Ganesh Ghalme, Vineet Nair, Y. Narahari
Oral	7356: An Efficient Evolutionary Algorithm for Subset Selection with General Cost Constraints	Chao Bian, Chao Feng, Chao Qian, Yang Yu

11:20am - 12:20pm

	AI in Practice	Wednesday, 11:20-12:20, Grand Ballroom
	Invited Panel	Moderator: Lisa Simpson; Panelists: Freddy Abnousi (Facebook), Greg Corrado (Google), Jim Weintstein (Microsoft)

11:30am - 12:30pm

	Tech Session 1: NLP: Language Models	Wednesday, 11:30-12:30, Trianon

Oral	1159: Learning to Compare for Better Training and Evaluation of Open Domain Natural Language Generation Models	Wangchunshu Zhou, Ke Xu
Oral	2485: LS-Tree: Model Interpretation When the Data Are Linguistic	Jianbo Chen, Michael Jordan
Oral	4504: Alternating Language Modeling for Cross-Lingual Pre-Training	Jian Yang, Shuming Ma, Dongdong Zhang, ShuangZhi Wu, Zhoujun Li, Ming Zhou
	Tech Session 2: Application: Modeling of Human Decision Making	**Wednesday, 11:30-12:30, Beekman**
Oral	1169: Who Likes What? – SplitLBI in Exploring Preferential Diversity of Ratings	Qianqian Xu, Jiechao Xiong, Zhiyong Yang, Xiaochun Cao, Qingming Huang, Yuan Yao
Oral	2711: Crowdfunding Dynamics Tracking: A Reinforcement Learning Approach	Jun Wang, Hefu Zhang, Qi Liu, Zhen Pan, Hanqing Tao
	Tech Session 3: NLP: Information Extraction, Retrieval and Text Mining	**Wednesday, 11:30-12:30, Sutton North**
Oral	2859: Path Ranking with Attention to Type Hierarchies	Weiyu Liu, Angel Daruna, Zsolt Kira, Sonia Chernova
Oral	7451: Latent Opinions Transfer Network for Target-Oriented Opinion Words Extraction	Zhen Wu, Fei Zhao, Xin-Yu Dai, Shujian Huang, Jiajun Chen
Oral	7498: Fine-Grained Argument Unit Recognition and Classification	Dietrich Trautmann, Johannes Daxenberger, Christian Stab, Hinrich Schütze, Iryna Gurevych
	Tech Session 5: NLP: Semantics and Summarization	**Wednesday, 11:30-12:30, Sutton South**
Oral	3355: CASE: Context-Aware Semantic Expansion	Jialong Han, Aixin Sun, Haisong Zhang, Chenliang Li, Shuming Shi
Oral	7131: Multi-Level Head-Wise Match and Aggregation in Transformer for Textual Sequence Matching	Shuohang Wang, Yunshi Lan, Yi Tay, Jing Jiang, Jingjing Liu
Oral	9092: Hypernym Detection Using Strict Partial Order Networks	Sarthak Dash, Md Faisal Mahbub Chowdhury, Alfio Gliozzo, Nandana Mihindukulasooriya, Nicolas Rodolfo Fauceglia
	Tech Session 6: Vision: Adversarial Learning	**Wednesday, 11:30-12:30, Regent**
Oral	3848: Heuristic Black-Box Adversarial Attacks on Video Recognition Models	Zhipeng Wei, Jingjing Chen, Xingxing Wei, Linxi Jiang, Tat-Seng Chua, Fengfeng Zhou, Yu-Gang Jiang,
Oral	5758: Robust Adversarial Objects against Deep Learning Models	Tzungyu Tsai, Kaichen Yang, Tsung-Yi Ho, Yier Jin
Oral	6891: Adversary for Social Good: Protecting Familial Privacy through Joint Adversarial Attacks	Chetan Kumar, Riazat Ryan, Ming Shao
	Tech Session 7: Vision: Human Pose and Motion Analysis, Detection, Modeling	**Wednesday, 11:30-12:30, Gramercy**
Oral	1236: Part-Level Graph Convolutional Network for Skeleton-Based Action Recognition	Linjiang Huang, Yan Huang, Wanli Ouyang, Liang Wang
Oral	3906: Deep Reinforcement Learning for Active Human Pose Estimation	Erik Gärtner, Aleksis Pirinen, Cristian Sminchisescu
Oral	4651: Kinematic-Structure-Preserved Representation for Unsupervised 3D Human Pose Estimation	Jogendra Nath Kundu, Siddharth Seth, Rahul M V, Mugalodi Rakesh, R. Venkatesh Babu, Anirban Chakraborty
	Tech Session 8: ML: Probabilistic Methods	**Wednesday, 11:30-12:30, Murray Hill**
Oral	626: On the Anatomy of MCMC-Based Maximum Likelihood Learning of Energy-Based Models	Erik Nijkamp, Mitch Hill, Tian Han, Song-Chun Zhu, Ying Nian Wu
Oral	2930: Co-Occurrence Estimation from Aggregated Data with Auxiliary Information	Tomoharu Iwata, Naoki Marumo
Oral	4409: Factorized Inference in Deep Markov Models for Incomplete Multimodal Time Series	Tan Zhi-Xuan, Harold Soh, Desmond C. Ong
	Tech Session 9: ML: Ranking, Recommendation	**Wednesday, 11:30-12:30, Nassau**
Oral	2616: SetRank: A Setwise Bayesian Approach for Collaborative Ranking from Implicit Feedback	Chao Wang, Hengshu Zhu, Chen Zhu, Chuan Qin, Hui Xiong
Oral	7175: Symmetric Metric Learning with Adaptive Margin for Recommendation	Mingming Li, Shuai Zhang, Fuqing Zhu, Liangjun Zang, Wanhui Qian, Jizhong Han, Songlin Hu
Oral	9072: Fast Adaptively Weighted Matrix Factorization for Recommendation with Implicit Feedback	Jiawei Chen, Can Wang, Sheng Zhou, Qihao Shi, Jingbang Chen, Yan Feng, Chun Chen
1:00 - 1:50pm		
	AAAI	**Wednesday, 1:00-1:50, Grand Ballroom**
	AAAI Community Meeting	**Yolanda Gil**
2:00 - 3:15pm		
	AI in Practice	**Wednesday, 2:00-2:25, Grand Ballroom**
	Invited Talk: AI in Mental Health Care: Challenges and Opportunities	Honor Hsin, Kaiser Permanente
	AI in Practice	**Wednesday, 2:25-2:50, Grand Ballroom**
	Invited Talk: An Awakening in Medicine: The Partnership of Humanity and Intelligent Machines	Leo Celi, Massachusetts Institute of Technology
	AI in Practice	**Wednesday, 2:50-3:15, Grand Ballroom**
	Invited Talk: Optimizing the Patient Journey with AI	John Brownstein, Boston Children's Hospital
2:00 - 3:20pm		
	Tech Session 1: NLP: Machine Translation, Entity Recognition and Linking	**Wednesday, 2:00-3:20, Trianon**
Oral	2729: Fine-Tuning by Curriculum Learning for Non-Autoregressive Neural Machine Translation	Junliang Guo, Xu Tan, Linli Xu, Tao Qin, Enhong Chen, Tie-Yan Liu
Oral	3465: Transductive Ensemble Learning for Neural Machine Translation	Yiren Wang, Lijun Wu, Yingce Xia, Tao Qin, ChengXiang Zhai, Tie-Yan Liu
Oral	8586: COTSAE: CO-Training of Structure and Attribute Embeddings for Entity Alignment	Kai Yang, Shaoqin Liu, Junfeng Zhao, Yasha Wang, Bing Xie

Oral	10313: GraphER: Token-Centric Entity Resolution with Graph Convolutional Neural Networks	Bing Li, Wei Wang, Yifang Sun, Linhan Zhang, Muhammad Asif Ali, Yi Wang
	Tech Session 2: Application: Transportation	**Wednesday, 2:00-3:20, Beekman**
Oral	6954: Tensor Completion for Weakly-Dependent Data on Graph for Metro Passenger Flow Prediction	Ziyue Li, Nurretin Dorukhan Sergin, Hao Yan, Chen Zhang, Fugee Tsung
Oral	7934: Spatio-Temporal Graph Structure Learning for Traffic Forecasting	Qi Zhang, Jianlong Chang, Gaofeng Meng, Shiming Xiang, Chunhong Pan
Oral	9259: Pay Your Trip for Traffic Congestion: Dynamic Pricing in Traffic-Aware Road Networks	Lisi Chen, Shuo Shang, Bin Yao, Jing Li
Oral	9270: Real-Time Route Search by Locations	Lisi Chen, Shuo Shang, Tao Guo
	Tech Session 3: NLP: Knowledge Graph	**Wednesday, 2:00-3:20, Sutton North**
Oral	4000: Learning Triple Embeddings from Knowledge Graphs	Valeria Fionda, Giuseppe Pirrò
Oral	4499: Differentiable Reasoning on Large Knowledge Bases and Natural Language	Pasquale Minervini, Matko Bošnjak, Tim Rocktäschel, Sebastian Riedel, Edward Grefenstette
Oral	9358: Diachronic Embedding for Temporal Knowledge Graph Completion	Rishab Goel, Seyed Mehran Kazemi, Marcus Brubaker, Pascal Poupart
	Tech Session 5: NLP: Semantics and Summarization	**Wednesday, 2:00-3:20, Sutton South**
Oral	7882: A General Framework for Implicit and Explicit Debiasing of Distributional Word Vector Spaces	Anne Lauscher, Goran Glavaš, Simone Paolo Ponzetto, Ivan Vulić
Oral	8964: Verb Class Induction with Partial Supervision	Daniel Peterson, Susan W. Brown, Martha Palmer
Oral	9763: Towards Building a Multilingual Sememe Knowledge Base: Predicting Sememes for BabelNet Synsets	Fanchao Qi, Liang Chang, Maosong Sun, Sicong Ouyang, Zhiyuan Liu
	Tech Session 6: Vision: Tracking and Detection	**Wednesday, 2:00-3:20, Regent**
Oral	1495: SPSTracker: Sub-Peak Suppression of Response Map for Robust Object Tracking	Qintao Hu, Lijun Zhou, Xiaoxiao Wang, Yao Mao, Jianlin Zhang, Qixiang Ye
Oral	6914: Localize, Assemble, and Predicate: Contextual Object Proposal Embedding for Visual Relation Detection	Ruihai Wu, Kehan Xu, Chenchen Liu, Nan Zhuang, Yadong Mu
Oral	8839: Optical Flow in Deep Visual Tracking	Mikko Vihlman, Arto Visala
	Tech Session 7: Vision: Action Recognition	**Wednesday, 2:00-3:20, Gramercy**
Oral	1076: 3D Single-Person Concurrent Activity Detection Using Stacked Relation Network	Yi Wei, Wenbo Li, Yanbo Fan, Linghan Xu, Ming-Ching Chang, Siwei Lyu
Oral	2317: Grapy-ML: Graph Pyramid Mutual Learning for Cross-Dataset Human Parsing	Haoyu He, Jing Zhang, Qiming Zhang, Dacheng Tao
Oral	2703: Symbiotic Attention with Privileged Information for Egocentric Action Recognition	Xiaohan Wang, Yu Wu, Linchao Zhu, Yi Yang
	Tech Session 8: ML: RL and Muliagent RL	**Wednesday, 2:00-3:20, Murray Hill**
Oral	2159: Uncertainty-Aware Action Advising for Deep Reinforcement Learning Agents	Felipe Leno Da Silva, Pablo Hernandez-Leal, Bilal Kartal, Matthew E.Taylor
Oral	3091: Off-Policy Evaluation in Partially Observable Environments	Guy Tennenholtz, Shie Mannor, Uri Shalit
Oral	5962: Generalized Hidden Parameter MDPs: Transferable Model-Based RL in a Handful of Trials	Christian F. Perez, Felipe Petroski Such, Theofanis Karaletsos
Oral	9089: Generalizable Resource Allocation in Stream Processing via Deep Reinforcement Learning	Xiang Ni, Jing Li, Mo Yu, Wang Zhou, Kun-Lung Wu
	Tech Session 9: ML: Probabilistic Graphical Models and Probabilistic Methods	**Wednesday, 2:00-3:20, Nassau**
Oral	5356: Beyond the Grounding Bottleneck: Datalog Techniques for Inference in Probabilistic Logic Programs	Efthymia Tsamoura, Víctor Gutiérrez-Basulto, Angelika Kimmig
Oral	7771: Error-Correcting and Verifiable Parallel Inference in Graphical Models	Negin Karimi, Petteri Kaski, Mikko Koivisto
Oral	8017: Learning to Reason: Leveraging Neural Networks for Approximate DNF Counting	Ralph Abboud, İsmail İlkan Ceylan, Thomas Lukasiewicz
3:45 - 4:35pm		
	AI in Practice	**Wednesday, 3:45-4:10, Grand Ballroom**
	Invited Talk: Data Science in HealthCare: Cutting the lines in the Emergency Departments	Kira Radinsky, Diagnostic Robotics
	AI in Practice	**Wednesday, 4:10-4:35, Grand Ballroom**
	Invited Talk: The City of the Future	Prem Ramaswami, Sidewalk Labs
3:50 - 4:50pm		
	Tech Session 1: NLP: Generation	**Wednesday, 3:50-4:50, Trianon**
Oral	4936: MixPoet: Diverse Poetry Generation via Learning Controllable Mixed Latent Space	Xiaoyuan Yi, Ruoyu Li, Cheng Yang, Wenhao Li, Maosong Sun
Oral	6988: Learning to Select Bi-Aspect Information for Document-Scale Text Content Manipulation	Xiaocheng Feng, Yawei Sun, Bing Qin, Heng Gong, Yibo Sun, Wei Bi, Xiaojiang Liu, Ting Liu
Oral	7220: TreeGen: A Tree-Based Transformer Architecture for Code Generation	Zeyu Sun, Qihao Zhu, Yingfei Xiong, Yican Sun, Lili Mou, Lu Zhang
	Tech Session 2: Application: Medical Imaging	**Wednesday, 3:50-4:50, Beekman**
Oral	2522: Region Focus Network for Joint Optic Disc and Cup Segmentation	Ge Li, Changsheng Li, Chan Zeng, Peng Gao, Guotong Xie
Oral	4006: ElixirNet: Relation-Aware Network Architecture Adaptation for Medical Lesion Detection	Chenhan Jiang, Shaoju Wang, Hang Xu, Xiaodan Liang, Nong Xiao
	Tech Session 3: NLP: Relational Learning	**Wednesday, 3:50-4:50, Sutton North**

Oral	2775: Reasoning on Knowledge Graphs with Debate Dynamics	Marcel Hildebrandt, Jorge Andres Quintero Serna, Yunpu Ma, Martin Ringsquandl, Mitchell Joblin, Volker Tresp
Oral	5895: Relation Extraction Exploiting Full Dependency Forests	Lifeng Jin, Linfeng Song, Yue Zhang, Kun Xu, Wei-Yun Ma, Dong Yu
Oral	7793: Generative Adversarial Zero-Shot Relational Learning for Knowledge Graphs	Pengda Qin, Xin Wang, Wenhu Chen, Chunyun Zhang, Weiran Xu, William Yang Wang
	Tech Session 5: NLP: Semantics and Summarization	**Wednesday, 3:50-4:50, Sutton South**
Oral	3721: Translation-Based Matching Adversarial Network for Cross-Lingual Natural Language Inference	Kunxun Qi, Jianfeng Du
Oral	5738: Integrating Linguistic Knowledge to Sentence Paraphrase Generation	Zibo Lin, Ziran Li, Ning Ding, Hai-Tao Zheng, Ying Shen, Wei Wang, Cong-Zhi Zhao
Oral	8812: Merging Weak and Active Supervision for Semantic Parsing	Ansong Ni, Pengcheng Yin, Graham Neubig
	Tech Session 6: NLP: Machine Comprehension and Q&A	**Wednesday, 3:50-4:50, Regent**
Oral	3066: Unsupervised Domain Adaptation on Reading Comprehension	Yu Cao, Meng Fang, Baosheng Yu, Joey Tianyi Zhou
Oral	4656: Generating Well-Formed Answers by Machine Reading with Stochastic Selector Networks	Bin Bi, Chen Wu, Ming Yan, Wei Wang, Jiangnan Xia, Chenliang Li
Oral	9384: Select, Answer and Explain: Interpretable Multi-Hop Reading Comprehension over Multiple Documents	Ming Tu, Kevin Huang, Guangtao Wang, Xiaodong He, Bowen Zhou
	Tech Session 7: Vision: Image Retrieval, Ranking, Recognition	**Wednesday, 3:50-4:50, Gramercy**
Oral	1376: Look One and More: Distilling Hybrid Order Relational Knowledge for Cross-Resolution Image Recognition	Shiming Ge, Kangkai Zhang, Haolin Liu, Yingying Hua, Shengwei Zhao, Xin Jin, Hao Wen
Oral	1451: Online Hashing with Efficient Updating of Binary Codes	Zhenyu Weng, Yuesheng Zhu
Oral	2824: AtLoc: Attention Guided Camera Localization	Bing Wang, Changhao Chen, Chris Xiaoxuan Lu, Peijun Zhao, Niki Trigoni, Andrew Markham
	Tech Session 8: ML: RL and Muliagent RL	**Wednesday, 3:50-4:50, Murray Hill**
Oral	2313: Neighborhood Cognition Consistent Multi-Agent Reinforcement Learning	Hangyu Mao, Wulong Liu, Jianye Hao, Jun Luo, Dong Li, Zhengchao Zhang, Jun Wang, Zhen Xiao
Oral	4021: A Variational Perturbative Approach to Planning in Graph-Based Markov Decision Processes	Dominik Linzner, Heinz Koeppl
Oral	10191: Universal Value Iteration Networks: When Spatially-Invariant is Not Universal	Li Zhang, Xin Li, Sen Chen, Hongyu Zang, Jie Huang, Mingzhong Wang
	Tech Session 9: ML: Neural Nets Theory, Models and Algorithms	**Wednesday, 3:50-4:50, Nassau**
Oral	2533: Transparent Classification with Multilayer Logical Perceptrons and Random Binarization	Zhuo Wang, Wei Zhang, Ning Liu, Jianyong Wang
Oral	2899: Regional Tree Regularization for Interpretability in Deep Neural Networks	Mike Wu, Sonali Parbhoo, Michael C. Hughes, Ryan Kindle, Leo Celi, Maurizio Zazzi, Volker Roth, Finale Doshi-Velez
Oral	5146: GSSNN: Graph Smoothing Splines Neural Networks	Shichao Zhu, Lewei Zhou, Shirui Pan, Chuan Zhou, Guiying Yan, Bin Wang
4:45 - 6:45pm		
	AI in Practice	**Wednesday, 4:45-5:30, Grand Ballroom**
	Plenary Talk: Connecting Dots: How Open Data, Open APIs, and Payment Reform will Fuel Care Delivery Reform	Aneesh Chopra, CareJourney
	AI in Practice	**Wednesday, 5:45-6:45, Trianon Ballroom**
	Networking / Discussion	