

# AAAI-19/IAAI-19/EAAI-19 Technical Program

(The AAAI Workshop, Tutorial, and Doctoral Consortium Programs will be held Sunday and Monday, January 27-28.)

AAAI Oral Presentation
AAAI Poster Spotlight Presentation
<b>AAAI</b>
<b>IAAI</b>
<b>EAAI</b>

## Monday, January 28

<b>9:00 - 9:10am</b>		
	<b>EAAI</b>	<b>Mon 9-9:10, Sea Pearl Suite</b>
	EAAI19 Welcome	Michael Wollowski and Nate Derbinsky
<b>9:10 - 10:00am</b>		
	<b>EAAI-19 Outstanding Educator Award Lecture</b>	<b>Mon 9:10-10:00, Sea Pearl Suite</b>
	Experiments in Teaching AI	Ashok Goel
<b>10:00 - 10:20am</b>		
	<b>EAAI-19 Main Track</b>	<b>Mon 10:00-10:20, Sea Pearl Suite</b>
	EAAI4: A Lightweight Approach to Academic Research Group Management Using Online Tools: Spend More Time on Research and Less on Management	Eric Eaton
<b>10:50am - 11:10am</b>		
	<b>EAAI-19 Main Track</b>	<b>Mon 10:50-11:10, Sea Pearl Suite</b>
	EAAI37: An Integrative Framework for Artificial Intelligence Education	Pat Langley
<b>11:10am - 12:00pm</b>		
	<b>EAAI-19 Panel Discussion</b>	<b>Mon 11:10-12:00, Sea Pearl Suite</b>
	How to Best Teach AI	Moderator: Michael Wollowski; Panelists: Ashok Goel, Pat Langley
<b>1:30 - 2:50pm</b>		
	<b>EAAI-19 Special Track: AI for Education and Outreach</b>	<b>Mon 1:30-2:50, Sea Pearl Suite</b>
	EAAI21: Automatic Generation of Leveled Visual Assessments for Young Learners	Anjali Singh, Ruhi Sharma Mittal, Shubham Atreja, Mourvi Sharma, Seema Nagar, Prasenjit Dey, Mohit Jain
	EAAI10: Automating Analysis and Feedback to Improve Mathematics' Teachers' Classroom Discourse	Abhijit Suresh, Tamara Sumner, Jennifer Jacobs, Bill Foland, Wayne Ward
	EAAI13: Get IT Scored Using AutoSAS - An Automated System for Scoring Short Answers	Yaman Kumar, Swati Aggarwal, Debanjan Mahata, Rajiv Ratn Shah, Ponnurangam Kumaraguru, Roger Zimmermann
	EAAI52: Concept Extraction and Prerequisite Relation Learning from Educational Data	Weiming Lu, Yangfan Zhou, Jiale Yu, Chenhao Jia
<b>2:50 - 3:20pm</b>		
	<b>EAAI-19 Main Track</b>	<b>Mon 2:50-3:20, Sea Pearl Suite</b>
	EAAI46: A Preliminary Report of Integrating Science and Computing Teaching Using Logic Programming	Yuanlin Zhang, Jianlan Wang, Fox Bolduc, William G. Murray, Wendy Staffen
	EAAI55: Lightning Talk: Khan Academy: A Social Networking and Community Q&A Perspective	Sneha Mondal, Akshay Gugnani, Renuka Sindhgatta
	EAAI16: Lightning Talk: Artificial Intelligence Competencies for Data Science Undergraduate Curricula	Andrea Danyluk, Scott Buck
<b>3:50 - 4:10pm</b>		
	<b>EAAI-19 Special Track: Non-Traditional Research Experiences for Undergraduates</b>	<b>Mon 3:50-4:10, Sea Pearl Suite</b>
	EAAI30: From Lab to Internship and Back Again: Learning Autonomous Systems through Creating a Research and Development Ecosystem	Trevor Bihl, Todd Jenkins, Chad Cox, Ashley DeMange, Kerry Hill, Edmund Zelnio
<b>4:10 - 5:58pm</b>		
	<b>EAAI-19 Birds of a Feather (BoF) Research Challenge</b>	<b>Mon 4:10-5:58, Sea Pearl Suite</b>
	Introduction, Awarding of Prizes	Todd Neller
	EAAI14: Computational Intractability and Solvability for the Birds of a Feather Game	Richard Hoshino, Max Notarangelo
	EAAI12: Determining Solvability in the Birds of a Feather Card Game	Shuto Araki, Juan Pablo Arenas Uribe, Zach Wilkerson, Steven Bogaerts, Chad Byers
	EAAI29: A Monte Carlo Tree Search Player for Birds of a Feather Solitaire	Christian Roberson, Katarina Sperduto
	EAAI42: Machine Learning Based Heuristic Search Algorithms to Solve Birds of a Feather Card Game	Bryon Kucharski, Azad Deihim, Mehmet Ergezer
	EAAI15: A Neural Network Approach for Birds of a Feather Solvability Prediction	Benjamin Sang, Sejong Yoon
	EAAI53: Efficient Solving of Birds of a Feather Puzzles	Todd W. Neller, Connor Berson, Jivan Kharel, Ryan Smolik
	EAAI51: Computer Generation of Birds of a Feather Puzzles	Todd W. Neller, Daniel Ziegler

	EAAI31: Predicting Unsolvable Deals in the Birds of a Feather Solitaire Game	Richard Hoshino, Maximilian Kahn
<b>5:30 - 7:00pm</b>		
	<b>AAAI</b>	<b>Mon 5:30-7:00, The Great Lawn</b>
	<b>AAAI-19 Opening Reception</b>	
<b>7:30 - 9:00pm</b>		
	<b>AAAI</b>	<b>Mon 7:30-9:00, Coral Ballroom 3</b>
	<b>AAAI Townhall: A 20-Year Roadmap for AI Research</b>	<b>Yolanda Gil, Bart Selman, Ken Forbus, Marie desJardins, Kathy McKeown, Dan Weld, Tom Dietterich, Fei-Fei Li</b>

**Tuesday, January 29**

**8:10 - 8:40am**

	<b>AAAI</b>	<b>Tue 8:10-8:40, Coral Ballroom</b>
	<b>Welcome and Opening Remarks, AAAI Organizational Awards/Honors</b>	

**8:40 - 9:40am**

	<b>AAAI</b>	<b>Tue 8:40-9:40, Coral Ballroom</b>
	<b>AAAI-19 Invited Talk: Living and Flourishing with AI</b>	<b>Cynthia Breazeal</b>

**10:25-11:25am**

	<b>Tech Session 1: Machine Learning 1</b>	<b>Tue 10:25-11:25, Coral Ballroom 3-5</b>
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<b>Oral</b>	3255: Hierarchical Classification Based on Label Distribution Learning	Changdong Xu, Xin Geng
<b>Oral</b>	3427: Interpretation of Neural Networks Is Fragile	Amirata Ghorbani, Abubakar Abid, James Zou
<b>Oral</b>	8103: Bounding Uncertainty for Active Batch Selection	Hanmo Wang, Runwu Zhou, Yi-Dong Shen
<b>Poster</b>	994: Efficient and Effective Incomplete Multi-View Clustering	Xinwang Liu, Xinzhong Zhu, Miaomiao Li, Chang Tang, En Zhu, Jianping Yin, Wen Gao
<b>Poster</b>	1369: Robust Metric Learning on Grassmann Manifolds with Generalization Guarantees	Lei Luo, Jie Xu, Cheng Deng, Heng Huang
<b>Poster</b>	2303: Trainable Undersampling for Class-Imbalance Learning	Minlong Peng, Qi Zhang, Xiaoyu Xing, Tao Gui, Xuanjing Huang, Yu-Gang Jiang, Keyu Ding, Zhigang Chen
<b>Poster</b>	2683: A Distillation Approach to Data Efficient Individual Treatment Effect Estimation	Maggie Makar, Adith Swaminathan, Emre Kiciman
<b>Poster</b>	5474: Composable Modular Reinforcement Learning	Christopher Simpkins, Charles Isbell
<b>Poster</b>	6544: Learning Triggers for Heterogeneous Treatment Effects	Christopher Tran, Elena Zheleva
<b>Poster</b>	7833: Accurate and Interpretable Factorization Machines	Liang Lan, Yu Geng

**Tue 10:25-11:25, Coral 1**

<b>Oral</b>	332: Migration as Submodular Optimization ( <i>Special Track</i> )	Paul Goelz, Ariel D. Procaccia
<b>Oral</b>	436: Optimal Surveillance of Covert Networks by Minimizing Inverse Geodesic Length	Serge Gaspers, Kamran Najeebullah
<b>Oral</b>	5717: AI-Sketcher: A Deep Generative Model for Producing High-Quality Sketches	Nan Cao, Xin Yan, Yang Shi, Chaoran Chen
<b>Poster</b>	1457: Predicting Hurricane Trajectories Using a Recurrent Neural Network ( <i>Special Track</i> )	Sheila Alemany, Jonathan Beltran, Adrian Perez, Sam Ganzfried
<b>Poster</b>	2972: Who Blames Whom in a Crisis? Detecting Blame Ties from News Articles Using Neural Networks	Shuailong Liang, Olivia Nicol, Yue Zhang
<b>Poster</b>	3315: EnsNet: Ensnore Text in the Wild	Shuaitao Zhang, Yuliang Liu, Lianwen Jin, Yaoxiong Huang, Songxuan Lai
<b>Poster</b>	4235: Latent Dirichlet Allocation for Internet Price War	Chenchen Li, Xiang Yan, Xiaotie Deng, Yuan Qi, Wei Chu, Le Song, Junlong Qiao, Jianshan He, Junwu Xiong
<b>Poster</b>	4335: Multi-GCN: Graph Convolutional Networks for Multi-View Networks, with Applications to Global Poverty ( <i>Special Track</i> )	Muhammad Raza Khan, Joshua E. Blumentstock
<b>Poster</b>	5023: Forbidden Nodes Aware Community Search	Chaokun Wang, Junchao Zhu
<b>Poster</b>	5487: Understanding Dropouts in MOOCs ( <i>Special Track</i> )	Wenzheng Feng, Jie Tang, Tracy Xiao Liu

**Tue 10:25-11:25, Coral 2**

<b>Oral</b>	444: Tracking Logical Difference in Large-Scale Ontologies: A Forgetting-Based Approach	Yizheng Zhao, Ghadah Alghamdi, Renate A. Schmidt, Hao Feng, Giorgos Stoilos, Damir Juric, Mohammad Khodadadi
<b>Oral</b>	3779: SAT-Based Explicit LTLf Satisfiability Checking	Jianwen Li, Kristin Y. Rozier, Geguang Pu, Yueling Zhang, Moshe Y. Vardi
<b>Oral</b>	4601: Belief Change and Non-Monotonic Reasoning sans Compactness	Jandson S. Ribeiro, Abhaya Nayak, Renata Wasserman
<b>Poster</b>	115: Disjunctive Normal Form for Multi-Agent Modal Logics Based on Logical Separability	Liangda Fang, Kewen Wang, Zhe Wang, Ximing Wen
<b>Poster</b>	844: Certifying the True Error: Machine Learning in Coq with Verified Generalization Guarantees	Alexander Bagnall, Gordon Stewart
<b>Poster</b>	1006: Regular Boardgames	Jakub Kowalski, Maksymilian Mika, Jakub Sutowicz, Marek Szykuła

Poster	1147: Complexity of Abstract Argumentation under a Claim-Centric View	Wolfgang Dvorak, Stefan Woltran
Poster	2375: Combining Deep Learning and Qualitative Spatial Reasoning to Learn Complex Structures from Sparse Examples with Noise	Nikhil Krishnaswamy, Scott Friedman, James Pustejovsky
Poster	2886: Extension Removal in Abstract Argumentation — An Axiomatic Approach	Ringo Baumann, Gerhard Brewka
Poster	5756: Implanting Rational Knowledge into Distributed Representation at Morpheme Level	Zi Lin, Yang Liu
<b>Tech Session 4: AI and Web 1</b>		<b>Tue 10:25-11:25, South Pacific 1</b>
Oral	1853: ColNet: Embedding the Semantics of Web Tables for Column Type Prediction	Jiaoyan Chen, Ernesto Jimenez-Ruiz, Ian Horrocks, Charles Sutton
Oral	2590: Adversarial Training for Community Question Answer Selection Based on Multi-Scale Matching	Xiao Yang, Madian Khabsa, Miaosen Wang, Wei Wang, Ahmed Hassan Awadallah, Daniel Kifer, C. Lee Giles
Oral	4980: Unsupervised Neural Machine Translation with SMT as Posterior Regularization	Shuo Ren, Zhirui Zhang, Shujie Liu, Ming Zhou, Shuai Ma
Poster	325: Multi-View Information-Theoretic Co-Clustering for Co-Occurrence Data	Peng Xu, Zhaohong Deng, Kup-Sze Choi, Longbing Cao, Shitong Wang
Poster	974: Dynamic Explainable Recommendation Based on Neural Attentive Models	Xu Chen, Yongfeng Zhang, Zheng Qin
Poster	1169: TransNFCM: Translation-Based Neural Fashion Compatibility Modeling	Xun Yang, Yunshan Ma, Lizi Liao, Meng Wang, Tat-Seng Chua
Poster	1386: Feature Sampling Based Unsupervised Semantic Clustering for Real Web Multi-View Content	Xiaolong Gong, Linpeng Huang, Fuwei Wang
Poster	1715: Outlier Aware Network Embedding for Attributed Networks	Sambaran Bandyopadhyay, Lokesh N, M Narasimha Murty
Poster	1769: Structured and Sparse Annotations for Image Emotion Distribution Learning	Haitao Xiong, Hongfu Liu, Bineng Zhong, Yun Fu
Poster	1915: Deeply Fusing Reviews and Contents for Cold Start Users in Cross-Domain Recommendation Systems	Wenjing Fu, Zhaohui Peng, Senzhang Wang, Yang Xu, Jin Li
<b>Tech Session 5: NLP: Semantics and Summarization 1</b>		<b>Tue 10:25-11:25, South Pacific 2</b>
Oral	1484: Gaussian Transformer: A Lightweight Approach for Natural Language Inference	Maosheng Guo, Yu Zhang, Ting Liu
Oral	4175: What If We Simply Swap the Two Text Fragments? A Straightforward yet Effective Way to Test the Robustness of Methods to Confounding Signals in Nature Language Inference Tasks	Haohan Wang, Da Sun, Eric P. Xing
Oral	5583: Interactive Attention Transfer Network for Cross-Domain Sentiment Classification	Kai Zhang, Hefu Zhang, Qi Liu, Hongke Zhao, Hengshu Zhu, Enhong Chen
Poster	142: Leveraging Web Semantic Knowledge in Word Representation Learning	Haoyan Liu, Lei Fang, Jian-Guang Lou, Zhoujun Li
Poster	674: Learning to Embed Sentences Using Attentive Recursive Trees	Jiaxin Shi, Lei Hou, Juanzi Li, Zhiyuan Liu, Hanwang Zhang
Poster	3207: SAM-Net: Integrating Event-Level and Chain-Level Attentions to Predict What Happens Next	Shangwen Lv, Wanhui Qian, Longtao Huang, Jizhong Han, Songlin Hu
Poster	5120: Unseen Word Representation by Aligning Heterogeneous Lexical Semantic Spaces	Victor Prokhorov, Mohammam Taher Pilehvar, Dimitri Kartsaklis, Pietro Lió, Nigel Collier
Poster	5882: A Generalized Idiom Usage Recognition Model Based on Semantic Compatibility	Changsheng Liu, Rebecca Hwa
Poster	5972: AutoSense Model for Word Sense Induction	Reinald Kim Amplayo, Seung-won Hwang, Min Song
Poster	6140: Analyzing Compositionality-Sensitivity of NLI Models	Yixin Nie, Yicheng Wang, Mohit Bansal
<b>Tech Session 6: Vision: Object Detection</b>		<b>Tue 10:25-11:25, South Pacific 3</b>
Oral	1183: Selective Refinement Network for High Performance Face Detection	Cheng Chi, Shifeng Zhang, Junliang Xing, Zhen Lei, Stan Z. Li, Xudong Zou
Oral	1748: Gradient Harmonized Single-Stage Detector	Buyu Li, Yu Liu, Xiaogang Wang
Oral	3014: MonoGRNet: A Geometric Reasoning Network for Monocular 3D Object Localization	Zengyi Qin, Jinglu Wang, Yan Lu
Poster	176: Object Detection Based on Region Decomposition and Assembly	Seung-Hwan Bae
Poster	1010: Learning to Localize Objects with Noisy Labeled Instances	Xiaopeng Zhang, Yang Yang, Jiashi Feng
Poster	1128: 3D Object Detection Using Scale Invariant and Feature Reweighting Networks	Xin Zhao, Zhe Liu, Ruolan Hu, Kaiqi Huang
Poster	1723: Scene Text Detection with Supervised Pyramid Context Network	Enze Xie, Yuhang Zang, Shuai Shao, Gang Yu, Cong Yao, Guangyao Li
Poster	2025: M2Det: A Single-Shot Object Detector Based on Multi-Level Feature Pyramid Network	Qijie Zhao, Tao Sheng, Yongtao Wang, Zhi Tang, Ying Chen, Ling Cai, Haibin Ling
Poster	3027: DeRPN: Taking a Further Step toward More General Object Detection	Lele Xie, Yuliang Liu, Lianwen Jin, Zecheng Xie
Poster	6098: Large-Scale Visual Relationship Understanding	Ji Zhang, Yannis Kalantidis, Marcus Rohrbach, Manohar Paluri, Ahmed Elgammal, Mohamed Elhoseiny

<b>Tech Session 7: Clustering</b>		<b>Tue 10:25-11:25, South Pacific 4</b>
Oral	2344: The Spectral Clustering of Nonconvex Clustering: A Spectral Approach to Density-Based Clustering	Sibylle Hess, Wouter Duivesteyn, Philipp Honysz, Katharina Morik
Oral	7403: Tensor Decomposition for Multilayer Networks Clustering	Zitai Chen, Chuan Chen, Zibin Zheng, Yi Zhu
Oral	7564: Nearest-Neighbour-Induced Isolation Similarity and Its Impact on Density-Based Clustering	Xiaoyu Qin, Kai Ming Ting, Ye Zhu, Vincent CS Lee
Poster	1150: Unified Embedding Alignment with Missing Views Inferring for Incomplete Multi-View Clustering	Jie Wen, Zheng Zhang, Yong Xu, Bob Zhang, Lunke Fei, Hong Liu
Poster	4720: X-DMM: Fast and Scalable Model Based Text Clustering	Linwei Li, Liangchen Guo, Zhenying He, Yinan Jing, X. Sean Wang
Poster	5218: Multiple Independent Subspace Clusterings	Xing Wang, Jun Wang, Carlotta Domeniconi, Guoxian Yu, Guoqiang Xiao, Maozu Guo
Poster	5809: Communication-Optimal Distributed Dynamic Graph Clustering	Chun Jiang Zhu, Tan Zhu, Kam-Yiu Lam, Song Han, Jinbo Bi
Poster	6141: On the Persistence of Clustering Solutions and True Number of Clusters in a Dataset	Amber Srivastava, Mayank Baranwal, Srinivasa Salapaka
Poster	6632: Orderly Subspace Clustering	Jing Wang, Atsushi Suzuki, Linchuan Xu, Feng Tian, Liang Yang, Kenji Yamanishi
Poster	7476: High Dimensional Clustering with $r$ -Nets	Georgia Avarikioti, Alain Ryser, Yuyi Wang, Roger Wattenhofer
<b>Tech Session 8: Kernel Methods</b>		<b>Tue 10:25-11:25, Hibiscus Suite</b>
Oral	1553: Fast Incremental SVDD Learning Algorithm with the Gaussian Kernel	Hansi Jiang, Haoyu Wang, Wenhao Hu, Deovrat Kakde, Arin Chaudhuri
Oral	3173: Coreset Stochastic Variance-Reduced Gradient with Application to Optimal Margin Distribution Machine	Zhi-Hao Tan, Teng Zhang, Wei Wang
Oral	3875: Random Feature Maps for the Itemset Kernel	Kyohei Atarashi, Subhansu Maji, Satoshi Oyama
Poster	1110: Similarity Learning via Kernel Preserving Embedding	Zhao Kang, Yiwei Lu, Yuanzhang Su, Changsheng Li, Zenglin Xu
Poster	2749: Learning Adaptive Random Features	Yanjun Li, Kai Zhang, Jun Wang, Sanjiv Kumar
Poster	3463: Weisfeiler and Leman Go Neural: Higher-Order Graph Neural Networks	Christopher Morris, Martin Ritzert, Matthias Fey, William L. Hamilton, Jan Eric Lenssen, Gaurav Rattan, Martin Grohe
Poster	4483: Approximate Kernel Selection with Strong Approximate Consistency	Lizhong Ding, Yong Liu, Shizhong Liao, Yu Li, Peng Yang, Yijie Pan, Chao Huang, Ling Shao, Xin Gao
Poster	4563: Linear Kernel Tests via Empirical Likelihood for High Dimensional Data	Lizhong Ding, Zhi Liu, Yu Li, Shizhong Liao, Yong Liu, Peng Yang, Ge Yu, Ling Shao, Xin Gao
Poster	6354: Fast PMI-Based Word Embedding with Efficient Use of Unobserved Patterns	Behrouz Haji Soleimani, Stan Matwin
Poster	6509: Efficient Online Learning for Mapping Kernels on Linguistic Structures	Giovanni Da San Martino, Alessandro Sperduti, Fabio Aiolli, Alessandro Moschitti
<b>Tech Session 9: Game Theory and Economic Paradigms 1</b>		<b>Tue 10:25-11:25, Kahili Suite</b>
Oral	83: Fairly Allocating Many Goods with Few Queries	Hoon Oh, Ariel D. Procaccia, Warut Suksompong
Oral	451: Solving Imperfect-Information Games via Discounted Regret Minimization (AAAI-19 Outstanding Paper, Honorable Mention)	Noam Brown, Tuomas Sandholm
Oral	602: Distributionally Adversarial Attack	Tianhang Zheng, Changyou Chen, Kui Ren
Poster	188: Low-Distortion Social Welfare Functions	Gerdus Benade, Ariel D. Procaccia, Mingda Qiao
Poster	328: How Does Knowledge of the AUC Constrain the Set of Possible Ground-Truth Labelings?	Jacob Whitehill
Poster	487: Adversarial Dropout for Recurrent Neural Networks	Sungrae Park, Kyungwoo Song, Mingi Ji, Wonsung Lee, Il-Chul Moon
Poster	503: Convergence of Learning Dynamics in Information Retrieval Games	Omer Ben-Porat, Itay Rosenberg, Moshe Tennenholtz
Poster	607: Object Reachability via Swaps along a Line	Sen Huang, Mingyu Xiao
Poster	723: Perceptual-Sensitive GAN for Generating Adversarial Patches	Aishan Liu, Xianglong Liu, Jiabin Fan, Yuqing Ma, Anlan Zhang, Huiyuan Xie, Dacheng Tao
Poster	786: Energy Confused Adversarial Metric Learning for Zero-Shot Image Retrieval and Clustering	Binghui Chen, Weihong Deng
<b>Tech Session 10: Computational Sustainability</b>		<b>Tue 10:25-11:25, Lehua</b>
Oral	1790: Deep Reinforcement Learning for Green Security Games with Real-Time Information	Yufei Wang, Zheyuan Ryan Shi, Lantao Yu, Yi Wu, Rohit Singh, Lucas Joppa, Fei Fang
Oral	5150: Optimal Interdiction of Urban Criminals with the Aid of Real-Time Information	Youzhi Zhang, Qingyu Guo, Bo An, Long Tran-Thanh, Nicholas R. Jennings
Oral	6971: Interpretable Predictive Modeling for Climate Variables with Weighted Lasso	Sijie He, Xinyan Li, Vidyashankar Sivakumar, Arindam Banerjee
Poster	753: A Deep Reinforcement Learning Framework for Rebalancing Dockless Bike Sharing Systems	Ling Pan, Qingpeng Cai, Zhixuan Fang, Pingzhong Tang, Longbo Huang
Poster	1177: Deep Bayesian Optimization on Attributed Graphs	Jiaxu Cui, Bo Yang, Xia Hu
Poster	1732: TDSNN: From Deep Neural Networks to Deep Spike Neural Networks with Temporal-Coding	Lei Zhang, Shengyuan Zhou, Tian Zhi, Zidong Du, Yunji Chen

Poster	3826: A Deep Neural Network for Unsupervised Anomaly Detection and Diagnosis in Multivariate Time Series Data	Chuxu Zhang, Dongjin Song, Yuncong Chen, Xinyang Feng, Cristian Lumezanu, Wei Cheng, Jingchao Ni, Bo Zong, Haifeng Chen, Nitesh V. Chawla
Poster	5790: Subtask Gated Networks for Non-Intrusive Load Monitoring	Changho Shin, Sunghwan Joo, Jaeryun Yim, Hyoseop Lee, Taesup Moon, Wonjong Rhee
Poster	5965: VidyutVanika: A Reinforcement Learning Based Broker Agent for a Power Trading Competition	Susobhan Ghosh, Easwar Subramanian, Sanjay P. Bhat, Sujit Gujar, Praveen Paruchuri
Poster	6894: MotionTransformer: Transferring Neural Inertial Tracking between Domains	Changhao Chen, Yishu Miao, Chris Xiaoxuan Lu, Linhai Xie, Phil Blunsom, Andrew Markham, Niki Trigoni
<b>IAAI-19: E-Commerce and Retail</b>		<b>Tue 10:25-11:25, Nautilus Suite</b>
	IAAI86: Context-Tree Recommendation vs Matrix-Factorization: Algorithm Selection and Live Users Evaluation	Stéphane Martin, Boi Faltings, Vincent Schickel
	IAAI17: Enhancing Evolutionary Conversion Rate Optimization via Multi-Armed Bandit Algorithms	Xin Qiu, Risto Miikkulainen
	IAAI21: Automatic Generation of Chinese Short Product Titles for Mobile Display	Yu Gong, Xusheng Luo, Kenny Q. Zhu, Wenwu Ou, Zhao Li, Lu Duan
	IAAI105: Robust Multi-Object Detection Based on Data Augmentation with Realistic Image Synthesis for Point-of-Sale Automation	Saiprasad Koturwar, Soma Shiraiishi, Kota Iwamoto
<b>EAAI-19 Invited Talk</b>		<b>Tue 10:25-11:15, Sea Pearl Suite</b>
	Future of Work, AI Education, and Public Policy	Larry Medsker
<b>EAAI-19 Main Track</b>		<b>Tue 11:15-11:35, Sea Pearl Suite</b>
	EAAI25: PopBots: Designing an Artificial Intelligence Curriculum for Early Childhood Education	Randi Williams, Hae Won Park, Lauren Oh, Cynthia Breazeal

11:30am - 12:30pm

<b>Tech Session 1: Transfer/Adaptation/Multi-task Learning 1</b>		<b>Tue 11:30-12:30, Coral Ballroom 3-5</b>
Oral	1512: Knowledge Transfer via Distillation of Activation Boundaries Formed by Hidden Neurons	Byeongho Heo, Minsik Lee, Sangdoo Yun, Jin Young Choi
Oral	697: Consensus Adversarial Domain Adaptation	Han Zou, Yuxun Zhou, Jianfei Yang, Huihan Liu, Hari Prasanna Das, Costas J. Spanos
Oral	5666: Multi-Task Deep Reinforcement Learning with PopArt	Matteo Hessel, Hubert Soyer, Lasse Espeholt, Wojciech Czarnecki, Simon Schmitt, Hado van Hasselt
Poster	1117: Cross-Domain Visual Representations via Unsupervised Graph Alignment	Baoyao Yang, PongChi Yuen
Poster	1990: From Zero-Shot Learning to Cold-Start Recommendation	Jingjing Li, Mengmeng Jing, Ke Lu, Lei Zhu, Yang Yang, Zi Huang
Poster	2793: Unsupervised Domain Adaptation by Matching Distributions Based on the Maximum Mean Discrepancy via Unilateral Transformations	Atsutoshi Kumagai, Tomoharu Iwata
Poster	2973: Improving Domain-Specific Classification by Collaborative Learning with Adaptation Networks	Si Wu, Jian Zhong, Wenming Cao, Rui Li, Zhiwen Yu, Hau-San Wong
Poster	3193: Unsupervised Domain Adaptation Based on Source-Guided Discrepancy	Seiichi Kuroki, Nontawat Charoenphakdee, Han Bao, Junya Honda, Issei Sato, Masashi Sugiyama
Poster	4374: Covariate Shift Adaptation on Learning from Positive and Unlabeled Data	Tomoya Sakai, Nobuyuki Shimizu
Poster	5576: GIRNet: Interleaved Multi-Task Recurrent State Sequence Models	Divam Gupta, Tanmoy Chakraborty, Soumen Chakrabarti
<b>Tech Session 2: AI for Social Impact 2</b>		<b>Tue 11:30-12:30, Coral 1</b>
Oral	1077: Weakly-Supervised Simultaneous Evidence Identification and Segmentation for Automated Glaucoma Diagnosis ( <i>Special Track</i> )	Rongchang Zhao, Wangmin Liao, Beiji Zou, Zailiang Chen, Shuo Li
Oral	2360: AutoZOOM: Autoencoder-Based Zeroth Order Optimization Method for Attacking Black-Box Neural Networks	Chun-Chen Tu, Paishun Ting, Pin-Yu Chen, Sijia Liu, Huan Zhang, Jinfeng Yi, Cho-Jui Hsieh, Shin-Ming Cheng
Oral	3002: Emergency Department Online Patient-Caregiver Scheduling ( <i>Special Track</i> )	Hanan Rosemarin, Ariel Rosenfeld, Sarit Kraus
Poster	1036: Traffic Updates: Saying a Lot While Revealing a Little	John Krumm, Eric Horvitz
Poster	1362: Efficient Region Embedding with Multi-View Spatial Networks: A Perspective of Locality-Constrained Spatial Autocorrelations	Yanjie Fu, Pengyang Wang, Jiadi Du, Le Wu, Xiaolin Li
Poster	3347: ReAI-LiFE: Accelerating the Discovery of Individualized Brain Connectomes on GPUs	Sawan Kumar, Varsha Sreenivasan, Partha Talukdar, Franco Pestilli, Devarajan Sridharan
Poster	5951: HireNet: A Hierarchical Attention Model for the Automatic Analysis of Asynchronous Video Job Interviews ( <i>Special Track</i> )	Léo Hemamou, Ghazi Felhi, Vincent Vandenbussche, Jean-Claude Martin, Chloé Clavel
Poster	6038: Exploiting Time-Series Image-to-Image Translation to Expand the Range of Wildlife Habitat Analysis ( <i>Special Track</i> )	Ruobing Zheng, Ze Luo, Baoping Yan

Poster	6537: CheXpert: A Large Chest Radiograph Dataset with Uncertainty Labels and Expert Comparison ( <i>Special Track</i> )	Jeremy Irvin, Pranav Rajpurkar, Michael Ko, Yifan Yu, Silvana Ciurea-Illcus, Chris Chute, Henrik Marklund, Behzad Haghgoo, Robyn Ball, Katie Shpanskaya, Jayne Seekins, David A. Mong, Safwan S. Halabi, Jesse K. Sandberg, Ricky Jones, David B. Larson, Curtis P. Langlotz, Bhavik N. Patel, Matthew P. Lungren, Andrew Y. Ng
Poster	6593: Algorithms for Estimating Trends in Global Temperature Volatility	Arash Khodadadi, Daniel J. McDonald
<b>Tech Session 3: Knowledge Representation and Reasoning 2</b>		<b>Tue 11:30-12:30, Coral 2</b>
Oral	2298: Abstracting Causal Models	Sander Beckers, Joseph Y. Halpern
Oral	3616: Model-Based Diagnosis for Cyber-Physical Production Systems Based on Machine Learning and Residual-Based Diagnosis Models	Andreas Bunte, Benno Stein, Oliver Niggemann
Oral	5901: From Horn-SR/Q to Datalog: A Data-Independent Transformation that Preserves Assertion Entailment	David Carral, Larry González, Patrick Koopmann
Poster	183: Weighted Abstract Dialectical Frameworks through the Lens of Approximation Fixpoint Theory	Bart Bogaerts
Poster	289: Improving Hypernymy Prediction via Taxonomy Enhanced Adversarial Learning	Chengyu Wang, Xiaofeng He, Aoying Zhou
Poster	930: TransGate: Knowledge Graph Embedding with Shared Gate Structure	Jun Yuan, Neng Gao, Ji Xiang
Poster	1108: Amalgamating Knowledge towards Comprehensive Classification	Chengchao Shen, Xinchao Wang, Jie Song, Li Sun, Mingli Song
Poster	1126: An Affect-Rich Neural Conversational Model with Biased Attention and Weighted Cross-Entropy Loss	Peixiang Zhong, Di Wang, Chunyan Miao
Poster	1410: Hierarchical Attention Network for Image Captioning	Weixuan Wang, Zhihong Chen, Haifeng Hu
Poster	4478: Recursively Learning Causal Structures Using Regression-Based Conditional Independence Test	Hao Zhang, Shuigeng Zhou, Chuanxu Yan, Jihong Guan, Xin Wang
<b>Tech Session 4: AI and Web 2</b>		<b>Tue 11:30-12:30, South Pacific 1</b>
Oral	2603: Y2Seq2Seq: Cross-Modal Representation Learning for 3D Shape and Text by Joint Reconstruction and Prediction of View and Word Sequences	Zhizhong Han, Mingyang Shang, Xiyang Wang, Yu-Shen Liu, Matthias Zwicker
Oral	2997: Popularity Prediction on Online Articles with Deep Fusion of Temporal Process and Content Features	Dongliang Liao, Jin Xu, Gongfu Li, Weijie Huang, Weiqing Liu, Jing Li
Oral	3125: Incorporating Network Embedding into Markov Random Field for Better Community Detection	Di Jin, Xinxin You, Weihao Li, Dongxiao He, Peng Cui, Françoise Fogelman-Soulié, Tanmoy Chakraborty
Poster	2650: CISI-Net: Explicit Latent Content Inference and Imitated Style Rendering for Image Inpainting	Jing Xiao, Liang Liao, Qiegen Liu, Ruimin Hu
Poster	2795: Discrete Social Recommendation	Chenghao Liu, Xin Wang, Tao Lu, Wenwu Zhu, Jianling Sun, Steven C. H. Hoi
Poster	2855: Cross-Relation Cross-Bag Attention for Distantly-Supervised Relation Extraction	Yujin Yuan, Liyuan Liu, Siliang Tang, Zhongfei Zhang, Yueting Zhuang, Shiliang Pu, Fei Wu, Xiang Ren
Poster	2930: Addressing the Under-Translation Problem from the Entropy Perspective	Yang Zhao, Jiajun Zhang, Chengqing Zong, Zhongjun He, Hua Wu
Poster	2990: Learning to Align Question and Answer Utterances in Customer Service Conversation with Recurrent Pointer Networks	Shizhu He, Kang Liu, Weiting An
Poster	3191: UGSD: User Generated Sentiment Dictionaries from Online Customer Reviews	Chun-Hsiang Wang, Kang-Chun Fan, Chuan-Ju Wang, Ming-Feng Tsai
Poster	3283: Cooperative Multimodal Approach to Depression Detection in Twitter	Tao Gui, Liang Zhu, Qi Zhang, Minlong Peng, Xu Zhou, Keyu Ding, Zhigang Chen
<b>Tech Session 5: NLP: Information Extraction 1</b>		<b>Tue 11:30-12:30, South Pacific 2</b>
Oral	915: Hybrid Attention-Based Prototypical Networks for Noisy Few-Shot Relation Classification	Tianyu Gao, Xu Han, Zhiyuan Liu, Maosong Sun
Oral	1157: A Hierarchical Framework for Relation Extraction with Reinforcement Learning	Ryuichi Takanobu, Tianyang Zhang, Jiexi Liu, Minlie Huang
Oral	3243: Multi-Labeled Relation Extraction with Attentive Capsule Network	Xinsong Zhang, Pengshuai Li, Weijia Jia, Hai Zhao
Poster	3093: Data Augmentation for Spoken Language Understanding via Joint Variational Generation	Kang Min Yoo, Youhyun Shin, Sang-goo Lee
Poster	3210: Title-Guided Encoding for Keyphrase Generation	Wang Chen, Yifan Gao, Jiani Zhang, Irwin King, Michael R. Lyu
Poster	3384: A Multi-Agent Communication Framework for Question-Worthy Phrase Extraction and Question Generation	Siyuan Wang, Zhongyu Wei, Zhihao Fan, Yang Liu, Xuanjing Huang
Poster	5092: A Unified Model for Opinion Target Extraction and Target Sentiment Prediction	Xin Li, Lidong Bing, Piji Li, Wai Lam
Poster	5846: A Pattern-Based Approach to Recognizing Time Expressions	Wentao Ding, Guanji Gao, Linfeng Shi, Yuzhong Qu
Poster	6192: Combining Fact Extraction and Verification with Neural Semantic Matching Networks	Yixin Nie, Haonan Chen, Mohit Bansal

Poster	6510: Improving Distantly Supervised Relation Extraction with Neural Noise Converter and Conditional Optimal Selector	Shanchan Wu, Kai Fan, Qiong Zhang
<b>Tech Session 6: Vision: Object Recognition</b>		<b>Tue 11:30-12:30, South Pacific 3</b>
Oral	717: Scene Text Recognition from Two-Dimensional Perspective	Minghui Liao, Jian Zhang, Zhaoyi Wan, Fengming Xie, Jiajun Liang, Pengyuan Lyu, Cong Yao, Xiang Bai
Oral	2101: MeshNet: Mesh Neural Network for 3D Shape Representation	Yutong Feng, Yifan Feng, Haoxuan You, Xibin Zhao, Yue Gao
Oral	2638: Point2Sequence: Learning the Shape Representation of 3D Point Clouds with an Attention-Based Sequence to Sequence Network	Xinhai Liu, Zhizhong Han, Yu-Shen Liu, Matthias Zwicker
Poster	1317: Weakly Supervised Scene Parsing with Point-Based Distance Metric Learning	Rui Qian, Yunchao Wei, Honghui Shi, Jiachen Li, Jiaying Liu, Thomas Huang
Poster	2087: View Inter-Prediction GAN: Unsupervised Representation Learning for 3D Shapes by Learning Global Shape Memories to Support Local View Predictions	Zhizhong Han, Mingyang Shang, Yu-Shen Liu, Matthias Zwicker
Poster	2135: Cousin Network Guided Sketch Recognition via Latent Attribute Warehouse	Kaihao Zhang, Wenhan Luo, Lin Ma, Hongdong Li
Poster	2278: Visual-Semantic Graph Reasoning for Pedestrian Attribute Recognition	Qiaozhe Li, Xin Zhao, Ran He, Kaiqi Huang
Poster	2789: Show, Attend and Read: A Simple and Strong Baseline for Irregular Text Recognition	Hui Li, Peng Wang, Chunhua Shen, Guyu Zhang
Poster	4198: Angular Triplet-Center Loss for Multi-View 3D Shape Retrieval	Zhaoqun Li, Cheng Xu, Biao Leng
Poster	5461: Deep Embedding Features for Salient Object Detection	Yunzhi Zhuge, Yu Zeng, Huchuan Lu
<b>AAAI Classic Paper Award / AAAI-19 Senior Member Papers 1</b>		<b>Tue 11:30-12:30, South Pacific 4</b>
	2019 Classic Paper: Content-Boosted Collaborative Filtering for Improved Recommendations	Prem Melville, Raymond J. Mooney, and Ramadass Nagarajan ( <i>Talk presented by Prem Melville</i> )
	<b>Senior Member:</b> SMT206: Building Ethically Bounded AI (Blue Sky)	Francesca Rossi, Nicholas Mattei
	<b>Senior Member:</b> SMT134: Labor Division with Movable Walls: Composing Executable Specifications with Machine Learning and Search	David Harel, Assaf Marron, Ariel Rosenfeld, Moshe Vardi, Gera Weiss
<b>Tech Session 7: Dimensionality Reduction/Feature Selection</b>		<b>Tue 11:30-12:30, Hibiscus Suite</b>
Oral	1004: Multi-Dimensional Classification via kNN Feature Augmentation	Bin-Bin Jia, Min-Ling Zhang
Oral	4066: Complex Moment-Based Supervised Eigenmap for Dimensionality Reduction	Akira Imakura, Momo Matsuda, Xiucai Ye, Tetsuya Sakurai
Oral	4359: MFPCA: Multiscale Functional Principal Component Analysis	Zhenhua Lin, Hongtu Zhu
Poster	779: Sublinear Time Numerical Linear Algebra for Structured Matrices	Xiaofei Shi, David P. Woodruff
Poster	3040: AFS: An Attention-Based Mechanism for Supervised Feature Selection	Ning Gui, Danni Ge, Ziyin Hu
Poster	3350: A Powerful Global Test Statistic for Functional Statistical Inference	Jingwen Zhang, Joseph Ibrahim, Tengfei Li, Hongtu Zhu
Poster	4315: Large-Scale Heterogeneous Feature Embedding	Xiao Huang, Qingquan Song, Fan Yang, Xia Hu
Poster	5886: A Probabilistic Derivation of LASSO and L12-Norm Feature Selections	Di Ming, Chris Ding, Feiping Nie
Poster	6491: Robust Negative Sampling for Network Embedding	Mohammadreza Armandpour, Patrick Ding, Jianhua Huang, Xia Hu
Poster	7577: An Efficient Approach to Informative Feature Extraction from Multimodal Data	Lichen Wang, Jiaxiang Wu, Shao-Lun Huang, Lizhong Zheng, Xiangxiang Xu, Lin Zhang, Junzhou Huang
<b>Tech Session 8: Game Theory and Economic Paradigms 2</b>		<b>Tue 11:30-12:30, Kahili Suite</b>
Oral	957: Primarily about Primaries	Allan Borodin, Omer Lev, Nisarg Shah, Tyrone Strangway
Oral	1248: Pareto-Optimal Allocation of Indivisible Goods with Connectivity Constraints	Ayumi Igarashi, Dominik Peters
Oral	1984: Forming Probably Stable Communities with Limited Interactions	Ayumi Igarashi, Jakub Sliwinski, Yair Zick
Poster	1051: Revenue Enhancement Via Asymmetric Signaling in Interdependent-Value Auctions	Zhuoshu Li, Sanmay Das
Poster	1332: The Pure Price of Anarchy of Pool Block Withholding Attacks in Bitcoin Mining	Colleen Alkalay-Houlihan, Nisarg Shah
Poster	1396: Cycle-SUM: Cycle-Consistent Adversarial LSTM Networks for Unsupervised Video Summarization	Li Yuan, Francis EH Tay, Ping Li, Li Zhou, Jiashi Feng
Poster	1407: Heterogeneous Transfer Learning via Deep Matrix Completion with Adversarial Kernel Embedding	Haoliang Li, Sinno Jialin Pan, Renjie Wan, Alex C. Kot
Poster	2170: On Rational Delegations in Liquid Democracy	Daan Bloembergen, Davide Grossi, Martin Lackner
Poster	2402: A Better Algorithm for Societal Tradeoffs	Hanrui Zhang, Yu Cheng, Vincent Conitzer
Poster	1496: Knowledge Distillation with Adversarial Samples Supporting Decision Boundary	Byeongho Heo, Minsik Lee, Sangdoo Yun, Jin Young Choi
<b>Tech Session 9: Cognitive Systems</b>		<b>Tue 11:30-12:30, Lehua</b>
Oral	1646: Simulation-Based Approach to Efficient Commonsense Reasoning in Very Large Knowledge Bases	Abhishek Sharma, Keith M. Goolsbey
Oral	6279: Human-Like Sketch Object Recognition via Analogical Learning	Kezhen Chen, Irina Rabkina, Matthew D. McLure, Kenneth D. Forbus

Oral	6751: Adversarial Actor-Critic Algorithm for Task and Motion Planning Problems Using Planning Experience	Beomjoon Kim, Leslie Pack Kaelbling, Tomas Lozano-Perez
Poster	166: Mirroring without Overimitation: Learning Functionally Equivalent Manipulation Actions	Hangxin Liu, Chi Zhang, Yixin Zhu, Chenfanfu Jiang, Song-Chun Zhu
Poster	1534: Cognitive Deficit of Deep Learning in Numerosity	Xiaolin Wu, Xi Zhang, Xiao Shu
Poster	4059: Attentive Tensor Product Learning	Qiuyuan Huang, Li Deng, Dapeng Wu, Chang Liu, Xiaodong He
Poster	5274: MPD-AL: An Efficient Membrane Potential Driven Aggregate-Label Learning Algorithm for Spiking Neurons	Malu Zhang, Jibin Wu, Yansong Chua, Xiaoling Luo, Zihan Pan, Dan Liu, Haizhou Li
Poster	5415: Scalable Recollections for Continual Lifelong Learning	Matthew Riemer, Tim Klinger, Djallel Bouneffouf, Michele Franceschini
Poster	7159: Modelling Autobiographical Memory Loss across Life Span	Di Wang, Ah-Hwee Tan, Chunyan Miao, Ahmed A. Moustafa
Poster	8106: Direct Training for Spiking Neural Networks: Faster, Larger, Better	Yujie Wu, Lei Deng, Guoqi Li, Jun Zhu, Yuan Xie, Luping Shi
<b>IAAI-19: Improving Interactions through NL and Dialog</b>		<b>Tue 11:30-12:30, Nautilus Suite</b>
	IAAI88: Querying NoSQL with Deep Learning to Answer Natural Language Questions	Sebastian Blank, Florian Wilhelm, Hans-Peter Zorn, Achim Rettinger
	IAAI12: Probabilistic-Logic Bots for Efficient Evaluation of Business Rules Using Conversational Interfaces	Joseph Bockhorst, Devin Conathan, Glenn M. Fung
	IAAI56: Bootstrapping Conversational Agents with Weak Supervision	Neil Mallinar, Abhishek Shah, Rajendra Ugrani, Ayush Gupta, Manikandan Gurusankar, Tin Kam Ho, Q. Vera Liao, Yunfeng Zhang, Rachel K. E. Bellamy, Robert Yates, Chris Desmarais, Blake McGregor
<b>EAAI-19 Panel Discussion</b>		<b>Tue 11:35-12:25, Sea Pearl Suite</b>
	The AI4K12 Initiative and How to Contribute to It	Moderator: Nate Derbinsky; Panelists: Dave Touretzky, Christina Gardner-McCune, Cynthia Breazeal
<b>12:30 - 2:00pm</b>		
	<b>AAAI</b>	<b>Tue 12:30 - 2:00, Hibiscus Suite</b>
	<b>AAAI-19 Black in AI Lunch</b>	<i>(Preregistration required)</i>
<b>2:00 - 3:30pm</b>		
	<b>Tech Session 1: Deep Learning 1</b>	<b>Tue 2-3:30, Coral Ballroom 3-5</b>
Oral	330: Sensitivity Analysis of Deep Neural Networks	Hai Shu, Hongtu Zhu
Oral	3035: Deep Neural Network Quantization via Layer-Wise Optimization Using Limited Training Data	Shangyu Chen, Wenya Wang, Sinno Jialin Pan
Oral	4557: Devil in the Details: Towards Accurate Single and Multiple Human Parsing	Tao Ruan, Ting Liu, Zilong Huang, Yunchao Wei, Shikui Wei, Yao Zhao
Oral	6296: Guided Dropout	Rohit Keshari, Richa Singh, Mayank Vatsa
Oral	6399: Learning Multi-Task Communication with Message Passing for Sequence Learning	Pengfei Liu, Jie Fu, Yue Dong, Xipeng Qiu, Jackie Chi Kit Cheung
Poster	1292: GeniePath: Graph Neural Networks with Adaptive Receptive Paths	Ziqi Liu, Chaochao Chen, Longfei Li, Jun Zhou, Xiaolong Li, Le Song, Yuan Qi
Poster	1568: Mutigrid Backprojection Super-Resolution and Deep Filter Visualization	Pablo Navarrete Michelini, Hanwen Liu, Dan Zhu
Poster	4495: RecurJac: An Efficient Recursive Algorithm for Bounding Jacobian Matrix of Neural Networks and Its Applications	Huan Zhang, Pengchuan Zhang, Cho-Jui Hsieh
Poster	5715: SCNN: A General Distribution Based Statistical Convolutional Neural Network with Application to Video Object Detection	Tianchen Wang, Jinjun Xiong, Xiaowei Xu, Yiyu Shi
Poster	6288: Non-Parametric Transformation Networks for Learning General Invariances from Data	Dipan K. Pal, Marios Savvides
Poster	6721: Towards Non-Saturating Recurrent Units for Modelling Long-Term Dependencies	Sarath Chandar, Chinnadhurai Sankar, Eugene Vorontsov, Samira Ebrahimi Kahou, Yoshua Bengio
Poster	7954: Universal Approximation Property and Equivalence of Stochastic Computing-Based Neural Networks and Binary Neural Networks	Yanzhi Wang, Zheng Zhan, Liang Zhao, Jian Tang, Siyue Wang, Jiayu Li, Bo Yuan, Wujie Wen, Xue Lin
<b>Tech Session 2: AI for Social Impact 3</b>		<b>Tue 2-3:30, Coral 1</b>
Oral	3453: Hotels-50K: A Global Hotel Recognition Dataset ( <i>Special Track</i> )	Abby Stylianou, Hong Xuan, Maya Shende, Jonathan Brandt, Richard Souvenir, Robert Pless
Oral	3580: Detecting Incongruity between News Headline and Body Text via a Deep Hierarchical Encoder ( <i>Special Track</i> )	Seunghyun Yoon, Kunwoo Park, Joongbo Shin, Hongjun Lim, Seungpil Won, Meeyoung Cha, Kyomin Jung
Oral	3586: Blameworthiness in Multi-Agent Settings	Meir Friedenberg, Joseph Y. Halpern
Oral	3696: Bias Reduction via End-to-End Shift Learning: Application to Citizen Science ( <i>Special Track</i> )	Di Chen, Carla P. Gomes
Oral	4025: Convex Formulations for Fair Principal Component Analysis	Matt Olfat, Anil Aswani
Poster	5611: Coverage Centrality Maximization in Undirected Networks	Gianlorenzo D'Angelo, Martin Olsen, Lorenzo Severini
Poster	6672: Automatic Detection and Compression for Passive Acoustic Monitoring of the African Forest Elephant ( <i>Special Track</i> )	Johan Björck, Brendan H. Rapazzo, Di Chen, Richard Bernstein, Peter H. Wrege, Carla P. Gomes



Poster	7013: Bidirectional Inference Networks: A Class of Deep Bayesian Networks for Health Profiling	Hao Wang, Chengzhi Mao, Hao He, Mingmin Zhao, Tommi S. Jaakkola, Dina Katabi
Poster	7437: A Study of Educational Data Mining: Evidence from a Thai University ( <i>Special Track</i> )	Ruangsak Trakunphutthirak, Yen Cheung, Vincent C. S. Lee
Poster	7479: Knowledge Tracing Machines: Factorization Machines for Knowledge Tracing	Jill-Jënn Vie, Hisashi Kashima
Poster	7512: PGANs: Personalized Generative Adversarial Networks for ECG Synthesis to Improve Patient-Specific Deep ECG Classification	Tomer Golany, Kira Radinsky
Poster	7815: Learning to Address Health Inequality in the United States with a Bayesian Decision Network ( <i>Special Track</i> )	Tavpritesh Sethi, Anant Mittal, Shubham Maheshwari, Samarth Chugh
	<b>Tech Session 3: Knowledge Representation and Reasoning 3</b>	<b>Tue 2-3:30, Coral 2</b>
Oral	1830: Partial Awareness	Joseph Y. Halpern, Evan Piermont
Oral	2522: Knowledge Refinement via Rule Selection	Phokion G. Kolaitis, Lucian Popa, Kun Qian
Oral	3090: Reasoning over Assumption-Based Argumentation Frameworks via Direct Answer Set Programming Encodings	Tuomo Lehtonen, Johannes Peter Wallner, Matti Järvisalo
Oral	3144: Qualitative Spatial Logic over 2D Euclidean Spaces is Not Finitely Axiomatisable	Heshan Du, Natasha Alechina
Oral	3218: Argumentation for Explainable Scheduling	Kristijonas Cyras, Dimitrios Letsios, Ruth Misener, Francesca Toni
Poster	3205: Hierarchical Encoder with Auxiliary Supervision for Table-to-Text Generation: Learning Better Representation for Tables	Tianyu Liu, Fuli Luo, Qiaolin Xia, Shuming Ma, Baobao Chang, Zhifang Sui
Poster	3408: Exploring Knowledge Graphs in an Interpretable Composite Approach for Text Entailment	Vivian S. Silva, André Freitas, Siegfried Handschuh
Poster	4246: Exploiting the Ground-Truth: An Adversarial Imitation Based Knowledge Distillation Approach for Event Detection	Jian Liu, Yubo Chen, Kang Liu
Poster	4677: Validation of Growing Knowledge Graphs by Abductive Text Evidences	Jianfeng Du, Jeff Z. Pan, Sylvia Wang, Kunxun Qi, Yuming Shen, Yu Deng
Poster	4918: A Sequential Set Generation Method for Predicting Set-Valued Outputs	Tian Gao, Jie Chen, Vijil Chenthamarakshan, Michael Witbrock
Poster	5163: Cash-Out User Detection Based on Attributed Heterogeneous Information Network with a Hierarchical Attention Mechanism	Binbin Hu, Zhiqiang Zhang, Chuan Shi, Jun Zhou, Xiaolong Li, Yuan Qi
Poster	7022: Minimum Intervention Cover of a Causal Graph	Saravanan Kandasamy, Arnab Bhattacharyya, Vasant G. Honavar
	<b>Tech Session 4: AI and Web 3</b>	<b>Tue 2-3:30, South Pacific 1</b>
Oral	3868: Dynamic Layer Aggregation for Neural Machine Translation with Routing-by-Agreement	Zi-Yi Dou, Zhaopeng Tu, Xing Wang, Longyue Wang, Shuming Shi, Tong Zhang
Oral	3940: Multi-Level Deep Cascade Trees for Conversion Rate Prediction in Recommendation System	Hong Wen, Jing Zhang, Quan Lin, Keping Yang, Pipei Huang
Oral	3978: DeepCF: A Unified Framework of Representation Learning and Matching Function Learning in Recommender System	Zhi-Hong Deng, Ling Huang, Chang-Dong Wang, Jian-Huang Lai, Philip S. Yu
Oral	4306: Graph Convolutional Networks Meet Markov Random Fields: Semi-Supervised Community Detection in Attribute Networks	Di Jin, Ziyang Liu, Weihao Li, Dongxiao He, Weixiong Zhang
Oral	4375: Comparative Document Summarisation via Classification	Umanga Bista, Alexander Mathews, Minjeong Shin, Aditya Krishna Menon, Lexing Xie
Poster	3367: Multi-Interactive Memory Network for Aspect Based Multimodal Sentiment Analysis	Nan Xu, Wenji Mao, Guandan Chen
Poster	3790: ATP: Directed Graph Embedding with Asymmetric Transitivity Preservation	Jiankai Sun, Bortik Bandyopadhyay, Armin Bashizade, Jiongqian Liang, Ponnuswamy Sadayappan, Srinivasan Parthasarathy
Poster	3855: Regularizing Neural Machine Translation by Target-Bidirectional Agreement	Zhirui Zhang, Shuangzhi Wu, Shujie Liu, Mu Li, Ming Zhou, Tong Xu
Poster	4013: Answer Identification from Product Reviews for User Questions by Multi-Task Attentive Networks	Long Chen, Ziyu Guan, Wei Zhao, Wanqing Zhao, Xiaopeng Wang, Zhou Zhao, Huan Sun
Poster	4268: Community Focusing: Yet Another Query-Dependent Community Detection	Zhuo Wang, Weiping Wang, Chaokun Wang, Xiaoyan Gu, Bo Li, Dan Meng
Poster	4550: Supervised User Ranking in Signed Social Networks	Xiaoming Li, Hui Fang, Jie Zhang
Poster	4631: DMT: A Novel Deep Transition Architecture for Neural Machine Translation	Fandong Meng, Jinchao Zhang
	<b>Tech Session 5: NLP: Discourse and Dialogue</b>	<b>Tue 2-3:30, South Pacific 2</b>
Oral	149: FANda: A Novel Approach to Perform Follow-Up Query Analysis	Qian Liu, Bei Chen, Jian-Guang Lou, Ge Jin, Dongmei Zhang
Oral	1245: End-to-End Knowledge-Routed Relational Dialogue System for Automatic Diagnosis	Lin Xu, Qixian Zhou, Ke Gong, Xiaodan Liang, Jianheng Tang, Liang Lin
Oral	1336: Switch-Based Active Deep Dyna-Q: Efficient Adaptive Planning for Task-Completion Dialogue Policy Learning	Yuxin Wu, Xiujun Li, Jingjing Liu, Jianfeng Gao, Yiming Yang
Oral	2007: Response Generation by Context-Aware Prototype Editing	Yu Wu, Furu Wei, Shaohan Huang, Yunli Wang, Zhoujun Li, Ming Zhou
Oral	3231: Dialogue Generation: From Imitation Learning to Inverse Reinforcement Learning	Ziming Li, Julia Kiseleva, Maarten de Rijke

Poster	1200: Zero-Shot Adaptive Transfer for Conversational Language Understanding	Sungjin Lee, Rahul Jha
Poster	2409: What Should I Learn First: Introducing LectureBank for NLP Education and Prerequisite Chain Learning	Irene Li, Alexander R. Fabbri, Robert R. Tung, Dragomir R. Radev
Poster	2744: Re-Evaluating ADEM: A Deeper Look at Scoring Dialogue Responses	Ananya Sai B, Mithun Das Gupta, Mitesh M. Khapra, Mukundhan Srinivasan
Poster	3489: Deep Cascade Multi-Task Learning for Slot Filling in Online Shopping Assistant	Yu Gong, Xusheng Luo, Yu Zhu, Wenwu Ou, Zhao Li, Muhua Zhu, Kenny Q. Zhu, Lu Duan, Xi Chen
Poster	4423: Insufficient Data Can Also Rock! Learning to Converse Using Smaller Data with Augmentation	Juntao Li, Lisong Qiu, Bo Tang, Dongmin Chen, Dongyan Zhao, Rui Yan
Poster	5658: Plan-and-Write: Towards Better Automatic Storytelling	Lili Yao, Nanyun Peng, Ralph Weischedel, Kevin Knight, Dongyan Zhao, Rui Yan
Poster	5766: A Neural Network Approach to Verb Phrase Ellipsis Resolution	Wei-Nan Zhang, Yue Zhang, Yuanxing Liu, Donglin Di, Ting Liu
<b>Tech Session 6: Transfer/Adaptation/Multi-task Learning 2</b>		<b>Tue 2-3:30, South Pacific 3</b>
Oral	1916: Transferable Attention for Domain Adaptation	Ximei Wang, Liang Li, Weirui Ye, Mingsheng Long, Jianmin Wang
Oral	3900: Network Recasting: A Universal Method for Network Architecture Transformation	Joonsang Yu, Sungbum Kang, Kiyong Choi
Oral	4020: Exploiting Local Feature Patterns for Unsupervised Domain Adaptation	Jun Wen, Risheng Liu, Nenggan Zheng, Qian Zheng, Zhefeng Gong, Junsong Yuan
Oral	5910: Evolutionary Manytasking Optimization Based on Symbiosis in Biocoenosis	Rung-Tzuo Liaw, Chuan-Kang Ting
Oral	7015: Multi-Fidelity Automatic Hyper-Parameter Tuning via Transfer Series Expansion	Yi-Qi Hu, Yang Yu, Wei-Wei Tu, Qiang Yang, Yuqiang Chen, Wenyuan Dai
Poster	74: Transferable Curriculum for Weakly-Supervised Domain Adaptation	Yang Shu, Zhangjie Cao, Mingsheng Long, Jianmin Wang
Poster	2813: Joint Domain Alignment and Discriminative Feature Learning for Unsupervised Deep Domain Adaptation	Chao Chen, Zhihong Chen, Boyuan Jiang, Xinyu Jin
Poster	4477: Self-Ensembling Attention Networks: Addressing Domain Shift for Semantic Segmentation	Yonghao Xu, Du Bo, Lefei Zhang, Qian Zhang, Guoli Wang, Liangpei Zhang
Poster	4799: Aligning Domain-Specific Distribution and Classifier for Cross-Domain Classification from Multiple Sources	Yongchun Zhu, Fuzhen Zhuang, Deqing Wang
Poster	5579: Efficient and Scalable Multi-Task Regression on Massive Number of Tasks	Xiao He, Francesco Alesiani, Ammar Shaker
Poster	6445: Incomplete Label Multi-Task Deep Learning for Spatio-Temporal Event Subtype Forecasting	Yuyang Gao, Liang Zhao, Lingfei Wu, Yanfang Ye, Hui Xiong, Chaowei Yang
Poster	7117: Network Structure and Transfer Behaviors Embedding via Deep Prediction Model	Xin Sun, Zenghui Song, Junyu Dong, Yongbo Yu, Claudia Plant, Christian Böhm
<b>Tech Session 7: Learning Theory</b>		<b>Tue 2-3:30, Hibiscus Suite</b>
Oral	3233: Theoretical Analysis of Label Distribution Learning	Jing Wang, Xin Geng
Oral	4240: Precision-Recall versus Accuracy and the Role of Large Data Sets	Brendan Juba, Hai S. Le
Oral	4583: Dynamic Learning of Sequential Choice Bandit Problem under Marketing Fatigue	Junyu Cao, Wei Sun
Oral	6196: Near-Neighbor Methods in Random Preference Completion	Ao Liu, Qiong Wu, Zhenming Liu, Lirong Xia
Oral	6747: Dimension-Free Error Bounds from Random Projections	Ata Kaban
Poster	235: A Sharper Generalization Bound for Divide-and-Conquer Ridge Regression	Shusen Wang
Poster	1575: Capacity Control of ReLU Neural Networks by Basis-Path Norm	Shuxin Zheng, Qi Meng, Huishuai Zhang, Wei Chen, Nenghai Yu, Tie-Yan Liu
Poster	3692: Which Factorization Machine Modeling Is Better: A Theoretical Answer with Optimal Guarantee	Ming Lin, Shuang Qiu, Jieping Ye, Xiaomin Song, Qi Qian, Liang Sun, Shenghuo Zhu, Rong Jin
Poster	4320: The Curse of Concentration in Robust Learning: Evasion and Poisoning Attacks from Concentration of Measure	Saeed Mahloujifar, Dimitrios I. Diochnos, Mohammad Mahmoody
Poster	5296: An Exponential Tail Bound for the Deleted Estimate	Karim Abou-Moustafa, Csaba Szepesvari
Poster	6594: Non-Asymptotic Uniform Rates of Consistency for $k$ -NN Regression	Heinrich Jiang
Poster	7996: Parallel Restarted SGD with Faster Convergence and Less Communication: Demystifying Why Model Averaging Works for Deep Learning	Hao Yu, Sen Yang, Shenghuo Zhu
<b>Tech Session 8: Game Theory and Economic Paradigms 3</b>		<b>Tue 2-3:30, Kahili Suite</b>
Oral	2254: Fair Division with a Secretive Agent	Eshwar Ram Arunachaleswaran, Siddharth Barman, Nidhi Rathi
Oral	2527: Defending Elections against Malicious Spread of Misinformation	Bryan Wilder, Yevgeniy Vorobeychik
Oral	3316: A Framework for Approval-Based Budgeting Methods	Nimrod Talmon, Piotr Faliszewski
Oral	3351: Approximation and Hardness of Shift-Bribery	Piotr Faliszewski, Pasin Manurangsi, Krzysztof Sornat
Oral	3395: How Similar Are Two Elections?	Piotr Faliszewski, Piotr Skowron, Arkadii Slinko, Stanisław Szufa, Nimrod Talmon

Poster	1538: Online Pandora's Boxes and Bandits	Hossein Esfandiari, MohammadTaghi HajiAghayi, Brendan Lucier, Michael Mitzenmacher
Poster	1652: On Fair Cost Sharing Games in Machine Learning	Ievgen Redko, Charlotte Laclau
Poster	2297: Connecting the Digital and Physical World: Improving the Robustness of Adversarial Attacks	Steve T. K. Jan, Joseph C. E. Messou, Yen-Chen Lin, Jia-Bin Huang, Gang Wang
Poster	2405: Very Hard Electoral Control Problems	Zack Fitzsimmons, Edith Hemaspaandra, Alexander Hoover, David Narvaez
Poster	2483: Scalable Robust Kidney Exchange	Duncan C. McElfresh, Hoda Bidkhor, John P. Dickerson
Poster	2649: Sparse Adversarial Perturbations for Videos	Xingxing Wei, Jun Zhu, Sha Yuan, Hang Su
Poster	2735: Solving Large Extensive-Form Games with Strategy Constraints	Trevor Davis, Kevin Waugh, Michael Bowling
	<b>Tech Session 9: Applications and the Web 1</b>	<b>Tue 2-3:30, Lehua</b>
Oral	81: PhoneMD: Learning to Diagnose Parkinson's Disease from Smartphone Data	Patrick Schwab, Walter Karlen
Oral	846: Differentially Private Empirical Risk Minimization with Smooth Non-Convex Loss Functions: A Non-Stationary View	Di Wang, Jinhui Xu
Oral	1181: Deep Latent Generative Models for Energy Disaggregation	Gissella Bejarano, David DeFazio, Arti Ramesh
Oral	1194: GAMENet: Graph Augmented Memory Networks for Recommending Medication Combination	Junyuan Shang, Cao Xiao, Tengfei Ma, Hongyan Li, Jimeng Sun
Oral	1335: Deep Reinforcement Learning for Syntactic Error Repair in Student Programs	Rahul Gupta, Aditya Kanade, Shirish Shevade
Poster	189: MetaStyle: Three-Way Trade-Off among Speed, Flexibility and Quality in Neural Style Transfer	Chi Zhang, Yixin Zhu, Song-Chun Zhu
Poster	277: Revisiting Spatial-Temporal Similarity: A Deep Learning Framework for Traffic Prediction	Huaxiu Yao, Xianfeng Tang, Hua Wei, Guanjie Zheng, Zhenhui Li
Poster	403: Unsupervised Meta-Learning of Figure-Ground Segmentation via Imitating Visual Effects	Ding-Jie Chen, Jui-Ting Chien, Hwann-Tzong Chen, Tyng-Luh Liu
Poster	669: A2-Net: Molecular Structure Estimation for Cryo-EM Density Volumes	Kui Xu, Zhe Wang, Jianping Shi, Hongsheng Li, Qiangfeng Cliff Zhang
Poster	887: G2C: A Generator-to-Classifier Framework Integrating Multi-Stained Visual Cues for Pathological Glomerulus Classification	Bingzhe Wu, Xiaolu Zhang, Shiwan Zhao, Lingxi Xie, Caihong Zeng, Zhihong Liu, Guangyu Sun
Poster	1086: Pathological Evidence Exploration in Deep Retinal Image Diagnosis	Yuhao Niu, Lin Gu, Feng Lu, Feifan Lv, Zongji Wang, Imari Sato, Zijian Zhang, Yangyan Xiao, Xunzhang Dai, Tingting Cheng
Poster	1199: The Kelly Growth Optimal Portfolio with Ensemble Learning	Weiwei Shen, Bin Wang, Jian Pu, Jun Wang
Poster	1365: Combo-Action: Training Agent for FPS Game with Auxiliary Tasks	Shiyu Huang, Hang Su, Jun Zhu, Tim Chen
	<b>IAAI-19: Medicine</b>	<b>Tue 2-3:30, Nautilus Suite</b>
	IAAI10: Ensemble Machine Learning for Estimating Fetal Weight at Varying Gestational Age	Yu Lu, Xi Zhang, Xianghua Fu, Fangxiang Chen, Kelvin K. L. Wong
	IAAI66: Building Trust in Deep Learning System towards Automated Disease Detection	Zhan Wei Lim, Mong Li Lee, Wynne Hsu, Tien Yin Wong
	IAAI67: Feature Isolation for Hypothesis Testing in Retinal Imaging: An Ischemic Stroke Prediction Case Study	Gilbert Lim, Zhan Wei Lim, Dejiang Xu, Daniel S.W. Ting, Tien Yin Wong, Mong Li Lee, Wynne Hsu
	IAAI80: Identifying Semantics in Clinical Reports Using Neural Machine Translation	Srikanth Mujjiga, Vamsi Krishna, Kalyan Chakravarthi, Vijayananda J
	IAAI72: Separating Wheat from Chaff: Joining Biomedical Knowledge and Patient Data for Repurposing Medications	Galia Nordon, Gideon Koren, Varda Shalev, Eric Horvitz, Kira Radinsky
	<b>EAAI-19 Blue Sky Idea Lightning Talks</b>	<b>Tue 1:55-2:25, Sea Pearl Suite</b>
		Chair: Nate Derbinsky
	<b>EAAI-19 Special Track: Model AI Assignments (EAAI60)</b>	<b>Tue 2:25-3:25, Sea Pearl Suite</b>
	Implementing a Recommender System Using MapReduce	Raja Sooriamurthi
	Building a Fake News Detector	Michael Guerzhoy, Lisa Zhang
	Using Ultimate Tic Tac Toe to Motivate AI Game Agents	Paul Talaga
	The Minecraft Projects	Adam Summerville, Joseph Osborn
	<b>EAAI-19 Special Track: Model AI Assignments (EAAI60)</b>	<b>Tue 3:55-5:25, Sea Pearl Suite</b>
	RISK AI Project	Christopher Archibald
	Nearest Neighbor Classification (with almost no background)	Nate Derbinsky, Elena Strange
	Depth First Learning: DeepStack	Cinjon Resnick, Avital Oliver, Surya Bhupatiraju, Kumar Krishna Agrawal
	Introduction to Python for Data Science	Marion Neumann, Jonathan Chen
	Introducing the Data Science Workflow Using Sentiment Analysis	Marion Neumann, Zac Christensen
	A Gentle Introduction to the Backpropagation Algorithm and Feedforward Networks	Michael Wollowski, Oscar Youngquist

<b>4:15 - 5:15pm</b>		
	<b>IAAI-19 Englemer Memorial Award Lecture</b>	<b>Tue 4:15-5:15, Coral Ballroom</b>
	AI and Multiagent Systems for Social Good	Milind Tambe
<b>5:15 - 6:15pm</b>		
	<b>AAAI</b>	<b>Tue 5:15-6:15, Coral Ballroom</b>
	<b>AAAI-19 Oxford-Style Debate: The Future of AI</b>	Moderator: Kevin Leyton-Brown
<b>6:30 - 8:30pm</b>		
	<b>AAAI</b>	<b>Tue 6:30-8:30, Coral, South Pacific, and Nautilus Lounges</b>
	<b>AAAI-19 Poster / Demo Session 1</b>	
<b>7:00 - 10:00pm</b>		
	<b>AAAI</b>	<b>Tue 7:00-10:00, Rainbow Suite and Patio</b>
	<b>AAAI Fellows Recognition Dinner</b>	<i>(by invitation only)</i>

**Wednesday, January 30**

<b>7:30 - 8:45am</b>		
	<b>AAAI</b>	<b>Wed 7:30-8:45, Sea Pearl Suite</b>
	<b>Women's Mentoring Breakfast</b>	<i>(Preregistration required)</i>
<b>8:45 - 9:45am</b>		
	<b>AAAI</b>	<b>Wed 8:45-9:45, Coral Ballroom</b>
	<b>AAAI-19 Invited Talk: Adversarial Machine Learning</b>	<b>Ian Goodfellow</b>
<b>10:25 - 11:25am</b>		
	<b>Tech Session 1: GANs</b>	<b>Wed 10:25-11:25, Coral Ballroom 3-5</b>
Oral	3669: CycleEmotionGAN: Emotional Semantic Consistency Preserved CycleGAN for Adapting Image Emotions	Sicheng Zhao, Chuang Lin, Pengfei Xu, Sendong Zhao, Yuchen Guo, Ravi Krishna, Guiguang Ding, Kurt Keutzer
Oral	4389: ClusterGAN: Latent Space Clustering in Generative Adversarial Networks	Sudipto Mukherjee, Himanshu Asnani, Eugene Lin, Sreeram Kannan
Oral	5123: Improving Image Captioning with Conditional Generative Adversarial Nets	Chen Chen, Shuai Mu, Wanpeng Xiao, Zexiong Ye, Liesi Wu, Qi Ju
Poster	3753: On-Line Adaptive Curriculum Learning for GANs	Thang Doan, Joao Monteiro, Isabela Albuquerque, Bogdan Mazouze, Audrey Durand, Joelle Pineau, R. Devon Hjelm
Poster	4747: Coupled CycleGAN: Unsupervised Hashing Network for Cross-Modal Retrieval	Chao Li, Cheng Deng, Lei Wang, De Xie, Xianglong Liu
Poster	5293: A Layer-Based Sequential Framework for Scene Generation with GANs	Mehmet Ozgur Turkoglu, William Thong, Luuk Spreeuwens, Berkay Kicanaoglu
Poster	5331: SEGAN: Structure-Enhanced Generative Adversarial Network for Compressed Sensing MRI Reconstruction	Zhongnian Li, Tao Zhang, Peng Wan, Daoqiang Zhang
Poster	5793: Guiding the One-to-One Mapping in CycleGAN via Optimal Transport	Guansong Lu, Zhiming Zhou, Yuxuan Song, Kan Ren, Yong Yu
Poster	6536: One-Class Adversarial Nets for Fraud Detection	Panpan Zheng, Shuhan Yuan, Xintao Wu, Jun Li, Aidong Lu
Poster	6951: Improving GAN with Neighbors Embedding and Gradient Matching	Ngoc-Trung Tran, Tuan-Anh Bui, Ngai-Man Cheung
	<b>Tech Session 2: AI for Social Impact 4</b>	<b>Wed 10:25-11:25, Coral 1</b>
Oral	4653: Deep Hierarchical Graph Convolution for Election Prediction from Geospatial Census Data <i>(Special Track)</i>	Mike Li, Elija Perrier, Chang Xu
Oral	4966: Evolutionarily Learning Multi-Aspect Interactions and Influences from Network Structure and Node Content	Songlei Jian, Liang Hu, Longbing Cao, Kai Lu, Hang Gao
Oral	5020: A Neural Multi-Task Learning Framework to Jointly Model Medical Named Entity Recognition and Normalization	Sendong Zhao, Ting Liu, Sicheng Zhao, Fei Wang
Poster	1919: Selecting Compliant Agents for Opt-In Micro-Tolling <i>(Special Track)</i>	Josiah P. Hanna, Guni Sharon, Stephan D. Boyles, Peter Stone
Poster	2259: Play As You Like: Timbre-Enhanced Multi-Modal Music Style Transfer	Chien-Yu Lu, Min-Xin Xue, Chia-Che Chang, Che-Rung Lee, Li Su
Poster	3795: Violence Rating Prediction from Movie Scripts <i>(Special Track)</i>	Victor R. Martinez Palacios, Krishna Somandepalli, Karan Singla, Anil Ramakrishna, Yalda T. Uhls, Shrikanth Narayanan
Poster	4250: DeepETA: A Spatial-Temporal Sequential Neural Network Model for Estimating Time of Arrival in Package Delivery System	Fan Wu, Lixia Wu
Poster	4591: Gated Residual Recurrent Graph Neural Networks for Traffic Prediction	Gen Chen, Kenli Li, Sin G. Teo, Xiaofeng Zou, Kang Wang, Wang Jie, Zeng Zeng
Poster	4855: Estimating the Days to Success of Campaigns in Crowdfunding: A Deep Survival Perspective	Binbin Jin, Hongke Zhao, Enhong Chen, Qi Liu, Yong Ge
Poster	5450: A Generative Model for Dynamic Networks with Applications	Shubham Gupta, Gaurav Sharma, Ambedkar Dukkipati
	<b>Tech Session 3: Recommender Systems</b>	<b>Wed 10:25-11:25, Coral 2</b>
Oral	2189: Joint Representation Learning for Multi-Modal Transportation Recommendation	Hao Liu, Ting Li, Renjun Hu, Yanjie Fu, Jingjing Gu, Hui Xiong

Oral	4120: Hashtag Recommendation for Photo Sharing Services	Suwei Zhang, Yuan Yao, Feng Xu, Hanghang Tong, Xiaohui Yan, Jian Lv
Oral	5058: An Integral Tag Recommendation Model for Textual Content	Shijie Tang, Yuan Yao, Suwei Zhang, Feng Xu, Tianxiao Gu, Hanghang Tong, Xiaohui Yan, Jian Lv
Poster	335: Non-Compensatory Psychological Models for Recommender Systems	Chen Lin, Xiaolin Shen, Si Chen, Muhua Zhu, Yanghua Xiao
Poster	793: Interaction-Aware Factorization Machines for Recommender Systems	Fuxing Hong, Dongbo Huang, Ge Chen
Poster	3116: CAMO: A Collaborative Ranking Method for Content Based Recommendation	Chengwei Wang, Tengfei Zhou, Chen Chen, Tianlei Hu, Gang Chen
Poster	3164: Holographic Factorization Machines for Recommendation	Yi Tay, Shuai Zhang, Anh Tuan Luu, Siu Cheung Hui, Lina Yao, Vinh Dang Quang Tran
Poster	4976: HERS: Modeling Influential Contexts with Heterogeneous Relations for Sparse and Cold-Start Recommendation	Liang Hu, Songlei Jian, Longbing Cao, Zhiping Gu, Qingkui Chen, Artak Amirbekyan
Poster	6974: RepeatNet: A Repeat Aware Neural Recommendation Machine for Session-Based Recommendation	Pengjie Ren, Zhumin Chen, Jing Li, Zhaochun Ren, Jun Ma, Maarten de Rijke
Poster	7598: Hierarchical Context Enabled Recurrent Neural Network for Recommendation	Kyungwoo Song, Mingi Ji, Sungrae Park, Il-Chul Moon
<b>Tech Session 4: NLP: Question Answering</b>		<b>Wed 10:25-11:25, South Pacific 2</b>
Oral	3648: COALA: A Neural Coverage-Based Approach for Long Answer Selection with Small Data	Andreas Rücklé, Nafise Sadat Moosavi, Iryna Gurevych
Oral	4661: Multi-Task Learning with Multi-View Attention for Answer Selection and Knowledge Base Question Answering	Yang Deng, Yuexiang Xie, Yaliang Li, Min Yang, Nan Du, Wei Fan, Kai Lei, Ying Shen
Oral	7164: Convolutional Spatial Attention Model for Reading Comprehension with Multiple-Choice Questions	Zhipeng Chen, Yiming Cui, Wentao Ma, Shijin Wang, Guoping Hu
Poster	1105: A Deep Cascade Model for Multi-Document Reading Comprehension	Ming Yan, Jiangnan Xia, Chen Wu, Bin Bi, Zhongzhou Zhao, Ji Zhang, Luo Si, Rui Wang, Wei Wang, Haiqing Chen
Poster	1979: Read + Verify: Machine Reading Comprehension with Unanswerable Questions	Minghao Hu, Furu Wei, Yuxing Peng, Zhen Huang, Nan Yang, Dongsheng Li
Poster	3583: Multi-Matching Network for Multiple Choice Reading Comprehension	Min Tang, Jiaran Cai, Hankz Hankui Zhuo
Poster	4074: HAS-QA: Hierarchical Answer Spans Model for Open-Domain Question Answering	Liang Pang, Yanyan Lan, Jiafeng Guo, Jun Xu, Lixin Su, Xueqi Cheng
Poster	4724: Structured Two-Stream Attention Network for Video Question Answering	Lianli Gao, Pengpeng Zeng, Jingkuan Song, Yuan-Fang Li, Wu Liu, Tao Mei, Heng Tao Shen
Poster	6451: Improving Neural Question Generation Using Answer Separation	Yanghoon Kim, Hwanhee Lee, Joongbo Shin, Kyomin Jung
Poster	6869: QuaRel: A Dataset and Models for Answering Questions about Qualitative Relationships	Oyvind Tafjord, Peter Clark, Matt Gardner, Wen-tau Yih, Ashish Sabharwal
<b>Tech Session 5: Vision and Video Analysis 1</b>		<b>Wed 10:25-11:25, South Pacific 3</b>
Oral	323: Deep Video Frame Interpolation Using Cyclic Frame Generation	Yu-Lun Liu, Yi-Tung Liao, Yen-Yu Lin, Yung-Yu Chuang
Oral	644: Video Imprint Segmentation for Temporal Action Detection in Untrimmed Videos	Zhanning Gao, Le Wang, Qilin Zhang, Zhenxing Niu, Nanning Zheng, Gang Hua
Oral	648: Learning to Steer by Mimicking Features from Heterogeneous Auxiliary Networks	Yuenan Hou, Zheng Ma, Chunxiao Liu, Chen Change Loy
Poster	61: Spatial-Temporal Person Re-Identification	Guangcong Wang, Jianhuang Lai, Peigen Huang, Xiaohua Xie
Poster	466: Learning Neural Bag-of-Matrix-Summarization with Riemannian Network	Hong Liu, Jie Li, Yongjian Wu, Rongrong Ji
Poster	534: Read, Watch, and Move: Reinforcement Learning for Temporally Grounding Natural Language Descriptions in Videos	Dongliang He, Xiang Zhao, Jizhou Huang, Fu Li, Xiao Liu, Shilei Wen
Poster	700: Towards Optimal Discrete Online Hashing with Balanced Similarity	Mingbao Lin, Rongrong Ji, Hong Liu, Xiaoshuai Sun, Yongjian Wu, Yunsheng Wu
Poster	895: Towards Optimal Fine Grained Retrieval via Decorrelated Centralized Loss with Normalize-Scale Layer	Xiaowu Zheng, Rongrong Ji, Xiaoshuai Sun, Baochang Zhang, Yongjian Wu, Feiyue Huang
Poster	1068: Horizontal Pyramid Matching for Person Re-Identification	Yang Fu, Yunchao Wei, Yuqian Zhou, Honghui Shi, Gao Huang, Xinchao Wang, Zhiqiang Yao, Thomas Huang
Poster	1070: STA: Spatial-Temporal Attention for Large-Scale Video-Based Person Re-Identification	Yang Fu, Xiaoyang Wang, Yunchao Wei, Thomas Huang
<b>Tech Session 6: Vision (General) 1</b>		<b>Wed 10:25-11:25, South Pacific 1</b>
Oral	234: Learning Resolution-Invariant Deep Representations for Person Re-Identification	Yun-Chun Chen, Yu-Jhe Li, Xiaofei Du, Yu-Chiang Frank Wang
Oral	395: Single Image Rain Removal with Unpaired Information: A Differentiable Programming Perspective	Hongyuan Zhu, Xi Peng, Joey Tianyi Zhou, Songfan Yang, Vijay Chanderasekh, Liyuan Li, Joo-Hwee Lim
Oral	5345: SuperVAE: Superpixelwise Variational Autoencoder for Salient Object Detection	Bo Li, Zhengxing Sun, Yuqi Guo

Poster	136: No-Reference Image Quality Assessment with Reinforcement Recursive List-Wise Ranking	Jie Gu, Gaofeng Meng, Cheng Da, Shiming Xiang, Chunhong Pan
Poster	236: CAPNet: Continuous Approximation Projection for 3D Point Cloud Reconstruction Using 2D Supervision	Navaneet K L, Priyanka Mandikal, Mayank Agarwal, R. Venkatesh Babu
Poster	322: Attention-Based Multi-Context Guiding for Few-Shot Semantic Segmentation	Tao Hu, Pengwan Yang, Chiliang Zhang, Gang Yu, Yadong Mu, Cees G. M. Snoek
Poster	721: 3D Face Synthesis Driven by Personality Impression	Yining Lang, Wei Liang, Yujia Wang, Lap-Fai Yu
Poster	782: HSME: Hypersphere Manifold Embedding for Visible Thermal Person Re-Identification	Yi Hao, Nannan Wang, Jie Li, Xinbo Gao
Poster	817: Residual Attribute Attention Network for Face Image Super-Resolution	Jingwei Xin, Nannan Wang, Xinbo Gao, Jie Li
Poster	1576: 3D Volumetric Modeling with Introspective Neural Networks	Wenlong Huang, Brian Lai, Weijian Xu, Zhuowen Tu
<b>Tech Session 7: Search, Constraint Satisfaction and Optimization 1</b>		<b>Wed 10:25-11:25, Hibiscus Suite</b>
Oral	464: BIRD: Engineering an Efficient CNF-XOR SAT Solver and Its Applications to Approximate Model Counting	Mate Soos, Kuldeep S. Meel
Oral	1609: Stochastic Submodular Maximization with Performance-Dependent Item Costs	Takuro Fukunaga, Takuya Konishi, Sumio Fujita, Ken-ichi Kawarabayashi
Oral	5204: Learning to Solve NP-Complete Problems: A Graph Neural Network for Decision TSP	Marcelo Prates, Pedro Avelar, Henrique Lemos, Luis C. Lamb, Moshe Y. Vardi
Poster	2645: Asynchronous Delay-Aware Accelerated Proximal Coordinate Descent for Nonconvex Nonsmooth Problems	Ehsan Kazemi, Liqiang Wang
Poster	2699: A SAT+CAS Approach to Finding Good Matrices: New Examples and Counterexamples	Curtis Bright, Dragomir Z. Djokovic, Ilias Kotsireas, Vijay Ganesh
Poster	3633: Generalized Batch Normalization: Towards Accelerating Deep Neural Networks	Xiaoyong Yuan, Zheng Feng, Matthew Norton, Xiaolin Li
Poster	3782: Bayesian Functional Optimisation with Shape Prior	Pratibha Vellanki, Santu Rana, Sunil Gupta, David Rubin de Celis Leal, Alessandra Sutti, Murray Height, Svetha Venkatesh
Poster	3823: A Recursive Algorithm for Projected Model Counting	Jean-Marie Lagniez, Pierre Marquis
Poster	3824: Algorithms for Average Regret Minimization	Sabine Storandt, Stefan Funke
Poster	4162: Asynchronous Proximal Stochastic Gradient Algorithm for Composition Optimization Problems	Pengfei Wang, Risheng Liu, Nenggan Zheng, Zhefeng Gong
<b>Tech Session 8: Game Theory and Economic Paradigms 4</b>		<b>Wed 10:25-11:25, Kahili Suite</b>
Oral	3663: Group Fairness for the Allocation of Indivisible Goods	Vincent Conitzer, Rupert Freeman, Nisarg Shah, Jennifer Wortman Vaughan
Oral	3671: An Equivalence between Wagering and Fair-Division Mechanisms	Rupert Freeman, David M. Pennock, Jennifer Wortman Vaughan
Oral	3783: From Recommendation Systems to Facility Location Games	Omer Ben-Porat, Gregory Goren, Itay Rosenberg, Moshe Tennenholtz
Poster	231: Blameworthiness in Strategic Games	Pavel Naumov, Jia Tao
Poster	2784: Difficulty-Aware Attention Network with Confidence Learning for Medical Image Segmentation	Dong Nie, Li Wang, Lei Xiang, Sihang Zhou, Ehsan Adeli, Dinggang Shen
Poster	2866: Semantic Adversarial Network with Multi-Scale Pyramid Attention for Video Classification	De Xie, Cheng Deng, Hao Wang, Chao Li, Dapeng Tao
Poster	3417: Learning Optimal Strategies to Commit To	Binghui Peng, Weiran Shen, Pingzhong Tang, Song Zuo
Poster	3483: Preference-Aware Task Assignment in On-Demand Taxi Dispatching: An Online Stable Matching Approach	Boming Zhao, Pan Xu, Yexuan Shi, Yongxin Tong, Zimu Zhou, Yuxiang Zeng
Poster	3640: Learning Set Functions with Limited Complementarity	Hanrui Zhang
Poster	4053: Smooth Deep Image Generator from Noises	Tianyu Guo, Chang Xu, Boxin Shi, Chao Xu, Dacheng Tao
<b>Tech Session 9: Planning, Routing, and Scheduling 1</b>		<b>Wed 10:25-11:25, Lehua</b>
Oral	530: Automated Verification of Social Laws for Continuous Time Multi-Robot Systems	Ronen Nir, Erez Karpas
Oral	1834: Memory Bounded Open-Loop Planning in Large POMDPs Using Thompson Sampling	Thomy Phan, Lenz Belzner, Marie Kiermeier, Markus Friedrich, Kyrrill Schmid, Claudia Linnhoff-Popien
Oral	2680: Distribution-Based Semi-Supervised Learning for Activity Recognition	Hangwei Qian, Sinno Jialin Pan, Chunyan Miao
Poster	591: Rotational Diversity in Multi-Cycle Assignment Problems	Helge Spieker, Arnaud Gotlieb, Morten Mossige
Poster	939: Performance Guarantees for Homomorphisms beyond Markov Decision Processes	Sultan Javed Majeed, Marcus Hutter
Poster	1411: Bootstrap Estimated Uncertainty of the Environment Model for Model-Based Reinforcement Learning	Wenzhen Huang, Junge Zhang, Kaiqi Huang
Poster	2391: Efficient Optimal Approximation of Discrete Random Variables for Estimation of Probabilities of Missing Deadlines	Liat Cohen, Gera Weiss
Poster	3271: Refining Abstraction Heuristics during Real-Time Planning	Rebecca Eifler, Maximilian Fickert, Joerg Hoffmann, Wheeler Ruml
Poster	3329: Solving Multiagent Planning Problems with Concurrent Conditional Effects	Daniel Furelos-Blanco, Anders Jonsson

Poster	3858: Multi-Agent Path Finding for Large Agents	Jiaoyang Li, Pavel Surynek, Ariel Felner, Hang Ma, T. K. Satish Kumar, Sven Koenig
<b>Tech Session 10: Student Abstracts</b>		<b>Wed 10:25-11:25, Sea Pearl Suite</b>
Student Abstract Spotlights		
<b>IAAI-19: Assistance via Analysis of Human-Generated Artifacts</b>		<b>Wed 10:25-11:25, Nautilus Suite</b>
	IAAI111: A Genetic Algorithm for Finding a Small and Diverse Set of Recent News Stories on a Given Subject: How We Generate AAAI's AI-Alert (Deployed)	Joshua Eckroth, Eric Schoen
	IAAI27: Automated Dispatch of Helpdesk Email Tickets: Pushing the Limits with AI (Deployed)	Atri Mandal, Nikhil Malhotra, Shivali Agarwal, Anupama Ray, Giriprasad Sridhara
	IAAI89: Grading Uncompilable Programs (Deployed)	Rohit Takhar, Varun Aggarwal

**11:30am - 12:30pm**

<b>Tech Session 1: Adversarial Learning</b>		<b>Wed 11:30-12:30, Coral Ballroom 3-5</b>
Oral	3627: Adversarial Unsupervised Representation Learning for Activity Time-Series	Karan Aggarwal, Shafiq Joty, Luis Fernandez-Luque, Jaideep Srivastava
Oral	5396: The Adversarial Attack and Detection under the Fisher Information Metric	Chenxiao Zhao, P. Thomas Fletcher, Mixue Yu, Yaxin Peng, Guixu Zhang, Chaomin Shen
Oral	6224: Resisting Adversarial Attacks Using Gaussian Mixture Variational Autoencoders	Partha Ghosh, Arpan Losalka, Michael J. Black
Poster	568: Adversarial Learning for Weakly-Supervised Social Network Alignment	Chaozhao Li, Senzhang Wang, Yukun Wang, Philip Yu, Yanbo Liang, Yun Liu, Zhoujun Li
Poster	1030: One-Network Adversarial Fairness	Tameem Adel, Isabel Valera, Zoubin Ghahramani, Adrian Weller
Poster	1449: Adversarial Label Learning	Chidubem Archie, Bert Huang
Poster	2329: Adversarial Learning of Semantic Relevance in Text to Image Synthesis	Miriam Cha, Youngjune L. Gwon, H. T. Kung
Poster	3698: Self-Adversarially Learned Bayesian Sampling	Yang Zhao, Jianyi Zhang, Changyou Chen
Poster	4115: Image Aesthetic Assessment Assisted by Attributes through Adversarial Learning	Bowen Pan, Shangfei Wang, Qisheng Jiang
Poster	7261: Data Augmentation Based on Adversarial Autoencoder Handling Imbalance for Learning to Rank	Qian Yu, Wai Lam
<b>Tech Session 2: AI for Social Impact 5</b>		<b>Wed 11:30-12:30, Coral 1</b>
Oral	2458: Eliminating Latent Discrimination: Train Then Mask	Soheil Ghili, Ehsan Kazemi, Amin Karbasi
Oral	5560: Bayesian Fairness	Christos Dimitrakakis, Yang Liu, David C. Parkes, Goran Radanovic
Oral	6007: Allocating Interventions Based on Predicted Outcomes: A Case Study on Homelessness Services ( <i>Special Track</i> )	Amanda Kube, Sanmay Das, Patrick J. Fowler
Poster	4880: SADIH: Semantic-Aware Discrete Hashing	Zheng Zhang, Guo-sen Xie, Yang Li, Sheng Li, Zi Huang
Poster	5820: Challenges in the Automatic Analysis of Students' Diagnostic Reasoning	Claudia Schulz, Christian M. Meyer, Iryna Gurevych
Poster	6090: DeepFuzz: Automatic Generation of Syntax Valid C Programs for Fuzz Testing	Xiao Liu, Xiaoting Li, Rupesh Prajapati, Dinghao Wu
Poster	7009: Predicting and Analyzing Language Specificity in Social Media Posts	Yifan Gao, Yang Zhong, Daniel Preotiuc-Pietro, Junyi Jessy Li
Poster	7233: Multi <sup>2</sup> Net: Segmenting Flooded Buildings via Fusion of Multiresolution, Multisensor, and Multitemporal Satellite Imagery ( <i>Special Track</i> )	Tim G. J. Rudner, Marc Rußwurm, Jakub Fil, Ramona Pelich, Benjamin Bischke, Veronika Kopackova, Piotr Bilinski
Poster	7656: GlobalTrait: Personality Alignment of Multilingual Word Embeddings	Farhad Bin Siddique, Dario Bertero, Pascale Fung
Poster	7955: Gaussian-Induced Convolution for Graphs	Jiatao Jiang, Zhen Cui, Chunyan Xu, Jian Yang
<b>Tech Session 3: Language and Vision 1</b>		<b>Wed 11:30-12:30, Coral 2</b>
Oral	76: Differential Networks for Visual Question Answering	Chenfei Wu, Jinlai Liu, Xiaojie Wang, Ruifan Li
Oral	541: A Novel Framework for Robustness Analysis of Visual QA Models	Jia-Hong Huang, Cuong Dao-Duc, Modar Alfadly, Bernard Ghanem
Oral	1320: Tile2Vec: Unsupervised Representation Learning for Spatially Distributed Data	Neal Jean, Sherrie Wang, Anshul Samar, George Azzari, David Lobell, Stefano Ermon
Poster	141: Zero-Shot Object Detection with Textual Descriptions	Zhihui Li, Lina Yao, Xiaoqin Zhang, Xianzhi Wang, Salil Kanhere, Huaxiang Zhang
Poster	595: TallyQA: Answering Complex Counting Questions	Manoj Acharya, Kushal Kafle, Christopher Kanan
Poster	1233: Free VQA Models from Knowledge Inertia by Pairwise Inconformity Learning	Yiyi Zhou, Rongrong Ji, Jinsong Su, Xiangming Li, Xiaoshuai Sun
Poster	1483: ActivityNet-QA: A Dataset for Understanding Complex Web Videos via Question Answering	Zhou Yu, Dejing Xu, Jun Yu, Ting Yu, Zhou Zhao, Yueting Zhuang, Dacheng Tao
Poster	1747: BLOCK: Bilinear Superdiagonal Fusion for Visual Question Answering and Visual Relationship Detection	Hedi Ben-younes, Remi Cadene, Nicolas Thome, Matthieu Cord
Poster	3101: Hierarchical Photo-Scene Encoder for Album Storytelling	Bairui Wang, Lin Ma, Wei Zhang, Wenhao Jiang, Feng Zhang

Poster	3139: Semantic Proposal for Activity Localization in Videos via Sentence Query	Shaoxiang Chen, Yu-Gang Jiang
<b>Tech Session 4: AI and Web 4</b>		<b>Wed 11:30-12:30, South Pacific 1</b>
Oral	4500: Crawling the Community Structure of Multiplex Networks	Ricky Laishram, Jeremy D. Wendt, Sucheta Soundarajan
Oral	4589: Context-Aware Self-Attention Networks	Baosong Yang, Jian LI, Derek F. Wong, Lidia S. Chao, Xing Wang, Zhaopeng Tu
Oral	4737: Personalized Question Routing via Heterogeneous Network Embedding	Zeyu Li, Jyun-Yu Jiang, Yizhou Sun, Wei Wang
Poster	4947: TableSense: Spreadsheet Table Detection with Convolutional Neural Networks	Haoyu Dong, Shijie Liu, Shi Han, Zhouyu Fu, Dongmei Zhang
Poster	5002: Entity Alignment between Knowledge Graphs Using Attribute Embeddings	Bayu Distiawan Trisedya, Jianzhong Qi, Rui Zhang
Poster	5492: Hyperbolic Heterogeneous Information Network Embedding	Xiao Wang, Yiding Zhang, Chuan Shi
Poster	5596: Improving One-Class Collaborative Filtering via Ranking-Based Implicit Regularizer	Jin Chen, Defu Lian, Kai Zheng
Poster	5921: Mining Entity Synonyms with Efficient Neural Set Generation	Jiaming Shen, Ruiliang Lyu, Xiang Ren, Michelle Vanni, Brian Sadler, Jiawei Han
Poster	6198: Multi-Perspective Relevance Matching with Hierarchical ConvNets for Social Media Search	Jinfeng Rao, Wei Yang, Yuhao Zhang, Ferhan Ture, Jimmy Lin
Poster	6406: Triple Classification Using Regions and Fine-Grained Entity Typing	Tiansi Dong, Zhigang Wang, Juanzi Li, Christian Bauckhage, Armin B. Cremers
<b>Tech Session 5: NLP: Information Extraction 2</b>		<b>Wed 11:30-12:30, South Pacific 2</b>
Oral	4838: Document Informed Neural Autoregressive Topic Models with Distributional Prior	Pankaj Gupta, Yatin Chaudhary, Florian Buettner, Hinrich Schuetze
Oral	4905: Neural Relation Extraction Within and Across Sentence Boundaries	Pankaj Gupta, Subburam Rajaram, Hinrich Schuetze, Thomas Runkler
Oral	6382: Zero-Shot Neural Transfer for Cross-Lingual Entity Linking	Shruti Rijhwani, Jiateng Xie, Graham Neubig, Jaime Carbonell
Poster	4124: Joint Extraction of Entities and Overlapping Relations Using Position-Attentive Sequence Labeling	Dai Dai, Xinyan Xiao, Yajuan Lyu, Shan Dou, Qiaoqiao She, Haifeng Wang
Poster	5216: Transferable Interactive Memory Network for Domain Adaptation in Fine-Grained Opinion Extraction	Wenya Wang, Sinno Jialin Pan
Poster	5320: GRN: Gated Relation Network to Enhance Convolutional Neural Network for Named Entity Recognition	Hui Chen, Zijia Lin, Guiguang Ding, Jianguang Lou, Yusen Zhang, Borje Karlsson
Poster	5454: Jointly Extracting Multiple Triplets with Multilayer Translation Constraints	Zhen Tan, Xiang Zhao, Wei Wang, Weidong Xiao
Poster	7014: Distant Supervision for Relation Extraction with Linear Attenuation Simulation and Non-IID Relevance Embedding	Changsen Yuan, Heyan Huang, Chong Feng, Xiao Liu, Xiaochi Wei
Poster	7608: Distantly Supervised Entity Relation Extraction with Adapted Manual Annotations	Changzhi Sun, Yuanbin Wu
Poster	7770: One for All: Neural Joint Modeling of Entities and Events	Trung Minh Nguyen, Thien Huu Nguyen
<b>Tech Session 6: Vision and Video Analysis 2</b>		<b>Wed 11:30-12:30, South Pacific 3</b>
Oral	971: Optimal Projection Guided Transfer Hashing for Image Retrieval	Ji Liu, Lei Zhang
Oral	1020: To Find Where You Talk: Temporal Sentence Localization in Video with Attention Based Location Regression	Yitian Yuan, Tao Mei, Wenwu Zhu
Oral	1076: Multi-Scale 3D Convolution Network for Video Based Person Re-Identification	Jianing Li, Shiliang Zhang, Tiejun Huang
Poster	1097: Cubic LSTMs for Video Prediction	Hehe Fan, Linchao Zhu, Yi Yang
Poster	1240: Video Inpainting by Jointly Learning Temporal Structure and Spatial Details	Chuan Wang, Haibin Huang, Xiaoguang Han, Jue Wang
Poster	1562: StNet: Local and Global Spatial-Temporal Modeling for Action Recognition	Dongliang He, Zhichao Zhou, Chuang Gan, Fu Li, Xiao Liu, Yandong Li, Limin Wang, Shilei Wen
Poster	1991: Detect or Track: Towards Cost-Effective Video Object Detection/Tracking	Hao Luo, Wenxuan Xie, Xinggang Wang, Wenjun Zeng
Poster	2070: Backbone Can Not Be Trained at Once: Rolling Back to Pre-Trained Network for Person Re-Identification	Youngmin Ro, Jongwon Choi, Dae Ung Jo, Byeongho Heo, Jongin Lim, Jin Young Choi
Poster	2159: Re2EMA: Regularized and Reinitialized Exponential Moving Average for Target Model Update in Object Tracking	Jianglei Huang, Wengang Zhou
Poster	2201: Memory-Augmented Temporal Dynamic Learning for Action Recognition	Yuan Yuan, Dong Wang, Qi Wang
<b>AAAI-19 Senior Member Papers 2 (Blue Sky)</b>		<b>Wed 11:30-12:30, South Pacific 4</b>
	SMT181: Explainable, Normative, and Justified Agency	Pat Langley
	SMT176: Meaningful Explanations of Black Box AI Decision Systems	Dino Pedreschi, Fosca Giannotti, Riccardo Guidotti, Anna Monreale, Salvatore Ruggieri, Franco Turini
	SMT167: Relating the Structure of a Problem and Its Explanation	Eugene C. Freuder



	<b>Tech Session 7: Search, Constraint Satisfaction and Optimization 2</b>	<b>Wed 11:30-12:30, Hibiscus Suite</b>
Oral	2770: Melding the Data-Decisions Pipeline: Decision-Focused Learning for Combinatorial Optimization	Bryan Wilder, Bistra Dilikina, Milind Tambe
Oral	3682: Optimizing in the Dark: Learning an Optimal Solution through a Simple Request Interface	Qiao Xiang, Haitao Yu, James Aspnes, Franck Le, Linghe Kong, Y. Richard Yang
Oral	3797: Task Embedded Coordinate Update: A Realizable Framework for Multivariate Non-Convex Optimization	Yiyang Wang, Risheng Liu, Long Ma, Xiaoliang Song
Poster	4208: Automatic Construction of Parallel Portfolios via Explicit Instance Grouping	Shengcai Liu, Ke Tang, Xin Yao
Poster	4542: Model-Based Diagnosis of Hybrid Systems Using Satisfiability Modulo Theory	Alexander Diedrich, Alexander Maier, Oliver Niggemann
Poster	4578: Separator-Based Pruned Dynamic Programming for Steiner Tree	Yoichi Iwata, Takuto Shigemura
Poster	5225: Solving Integer Quadratic Programming via Explicit and Structural Restrictions	Eduard Eiben, Robert Ganian, Dusan Knop, Sebastian Ordyniak
Poster	5370: Hypergraph Optimization for Multi-Structural Geometric Model Fitting	Shuyuan Lin, Guobao Xiao, Yan Yan, David Suter, Hanzi Wang
Poster	5482: Adaptive Proximal Average Based Variance Reducing Stochastic Methods for Optimization with Composite Regularization	Jingchang Liu, Linli Xu, Junliang Guo, Xin Sheng
Poster	6329: A PSPACE Subclass of Dependency Quantified Boolean Formulas and Its Effective Solving	Christoph Scholl, Jie-Hong Roland Jiang, Ralf Wimmer, Aile Ge-Ernst
	<b>Tech Session 8: Game Theory and Economic Paradigms 5</b>	<b>Wed 11:30-12:30, Kahili Suite</b>
Oral	3886: Fair and Efficient Memory Sharing: Confronting Free Riders	Eric J. Friedman, Vasilis Gkatzelis, Christos-Alexandros Psomas, Scott Shenker
Oral	3999: Random Dictators with a Random Referee: Constant Sample Complexity Mechanisms for Social Choice	Brandon Fain, Ashish Goel, Kamesh Munagala, Nina Prabhu
Oral	4685: Quasi-Perfect Stackelberg Equilibrium	Alberto Marchesi, Gabriele Farina, Christian Kroer, Nicola Gatti, Tuomas Sandholm
Poster	3717: Mechanism Design for Multi-Type Housing Markets with Acceptable Bundles	Sujoy Sikdar, Sibel Adali, Lirong Xia
Poster	4400: Unknown Agents in Friends Oriented Hedonic Games: Stability and Complexity	Nathanaël Barrot, Kazunori Ota, Yuko Sakurai, Makoto Yokoo
Poster	4898: Walrasian Dynamics in Multi-Unit Markets	Simina Branzei, Aris Filos-Ratsikas
Poster	5266: Perceptual Pyramid Adversarial Networks for Text-to-Image Synthesis	Lianli Gao, Daiyuan Chen, Jingkuan Song, Xing Xu, Dongxiang Zhang, Heng Tao Shen
Poster	5312: Optimal Dynamic Auctions are Virtual Welfare Maximizers	Vahab Mirrokni, Renato Paes Leme, Pingzhong Tang, Song Zuo
Poster	5622: Adversarial Binary Collaborative Filtering for Implicit Feedback	Haoyu Wang, Nan Shao, Defu Lian
Poster	5671: Cooperation Enforcement and Collusion Resistance in Repeated Public Goods Games	Kai Li, Dong Hao
	<b>Tech Session 9: Planning, Routing, and Scheduling 2</b>	<b>Wed 11:30-12:30, Lehua</b>
Oral	3542: Learning Resource Allocation and Pricing for Cloud Profit Maximization	Bingqian Du, Chuan Wu, Zhiyi Huang
Oral	4026: Acting and Planning Using Operational Models	Sunandita Patra, Malik Ghallab, Dana Nau, Paolo Traverso
Oral	4852: Improving Domain-Independent Planning via Critical Section Macro-Operators	Lukas Chrpá, Mauro Vallati
Poster	4293: Counterfactual Randomization: Rescuing Experimental Studies from Obscured Confounding	Andrew Forney, Elias Bareinboim
Poster	4465: Searching with Consistent Prioritization for Multi-Agent Path Finding	Hang Ma, Daniel Harabor, Peter. J Stuckey, Jiaoyang Li, Sven Koenig
Poster	5021: Bringing Order to Chaos — A Compact Representation of Partial Order in SAT-Based HTN Planning	Gregor Behnke, Daniel Höller, Susanne Biundo
Poster	5022: Red-Black Heuristics for Planning Tasks with Conditional Effects	Michael Katz
Poster	5556: Online Multi-Agent Pathfinding	Jiří Švancara, Marek Vlk, Roni Stern, Dor Atzmon, Roman Barták
Poster	5626: Deep Reactive Policies for Planning in Stochastic Nonlinear Domains	Thiago P. Bueno, Leliane N. de Barros, Denis D. Maua, Scott Sanner
Poster	5656: Sliding Window Temporal Graph Coloring	George B. Mertzios, Hendrik Molter, Viktor Zamaraev
	<b>Tech Session 10: Applications and the Web 2</b>	<b>Wed 11:30-12:30, Sea Pearl Suite</b>
Oral	1935: Synergistic Image and Feature Adaptation: Towards Cross-Modality Domain Adaptation for Medical Image Segmentation	Cheng Chen, Qi Dou, Hao Chen, Jing Qin, Pheng-Ann Heng
Oral	2690: Attention Based Spatial-Temporal Graph Convolutional Networks for Traffic Flow Forecasting	Shengnan Guo, Youfang Lin, Ning Feng, Chao Song, Huaiyu Wan
Oral	7499: Learning Phenotypes and Dynamic Patient Representations via RNN Regularized Collective Non-Negative Tensor Factorization	Kejing Yin, Dong Qian, William K. Cheung, Benjamin C. M. Fung, Jonathan Poon

Poster	1370: Functional Connectivity Network Analysis with Discriminative Hub Detection for Brain Disease Identification	Mingliang Wang, Jiashuang Huang, Mingxia Liu, Daoqiang Zhang
Poster	1450: Temporal Anomaly Detection: Calibrating the Surprise	Eyal Gutfliash, Aryeh Kontorovich, Sivan Sabato, Ofer Biller, Oded Sofer
Poster	1498: TET-GAN: Text Effects Transfer via Stylization and Destylization	Shuai Yang, Jiaying Liu, Wenjing Wang, Zongming Guo
Poster	1636: LiveBot: Generating Live Video Comments Based on Visual and Textual Contexts	Shuming Ma, Lei Cui, Damai Dai, Furu Wei, Xu Sun
Poster	2374: Predicting Urban Dispersal Events: A Two-Stage Framework through Deep Survival Analysis on Mobility Data	Amin Vahedian, Xun Zhou, Ling Tong, W. Nick Street, Yanhua Li
Poster	3131: Turbo Learning Framework for Human-Object Interactions Recognition and Human Pose Estimation	Wei Feng, Wentao Liu, Tong Li, Jing Peng, Chen Qian, Xiaolin Hu
Poster	3154: SCFont: Structure-Guided Chinese Font Generation via Deep Stacked Networks	Yue Jiang, Zhouhui Lian, Yingmin Tang, Jianguo Xiao
<b>IAAI-19: Computer Systems and Software</b>		<b>Wed 11:30-12:30, Nautilus Suite</b>
	IAAI103: Leveraging Textual Specifications for Grammar-Based Fuzzing of Network Protocols	Samuel Jero, Maria Leonor Pacheco, Dan Goldwasser, Cristina Nita-Rotaru
	IAAI53: A Machine Learning Suite for Machine Components' Health-Monitoring	Ramin M. Hasani, Guodong Wang, Radu Grosu
	IAAI14: Anomaly Detection Using Autoencoders in High Performance Computing Systems	Andrea Borghesi, Andrea Bartolini, Michele Lombardi, Michela Milano
	IAAI54: DeBGUer: A Tool for Bug Prediction and Diagnosis	Amir Elmishali, Roni Stern, Meir Kalech
<b>2:00 - 3:30pm</b>		
<b>Tech Session 1: Deep Learning 2</b>		<b>Wed 2-3:30, Coral Ballroom 3-5</b>
Oral	1031: Spatiotemporal Multi-Graph Convolution Network for Ride-Hailing Demand Forecasting	Xu Geng, Yaguang Li, Leye Wang, Lingyu Zhang, Qiang Yang, Jieping Ye, Yan Liu
Oral	2013: A Theoretically Guaranteed Deep Optimization Framework for Robust Compressive Sensing MRI	Risheng Liu, Yuxi Zhang, Shichao Cheng, Xin Fan, Zhongxuan Luo
Oral	2345: CNN-Cert: An Efficient Framework for Certifying Robustness of Convolutional Neural Networks	Akhilan Boopathy, Tsui-Wei Weng, Pin-Yu Chen, Sijia Liu, Luca Daniel
Oral	3137: I Know the Relationships: Zero-Shot Action Recognition via Two-Stream Graph Convolutional Networks and Knowledge Graphs	Junyu Gao, Tianzhu Zhang, Changsheng Xu
Oral	4404: Biomedical Image Segmentation via Representative Annotation	Hao Zheng, Lin Yang, Jianxu Chen, Jun Han, Yizhe Zhang, Peixian Liang, Zhuo Zhao, Chaoli Wang, Danny Z. Chen
Poster	2145: Balanced Sparsity for Efficient DNN Inference on GPU	Zhuliang Yao, Shijie Cao, Wencong Xiao, Chen Zhang, Lanshun Nie
Poster	2841: Compressing Recurrent Neural Networks with Tensor Ring for Action Recognition	Yu Pan, Jing Xu, Maolin Wang, Jinmian Ye, Fei Wang, Kun Bai, Zenglin Xu
Poster	3278: Learning Disentangled Representation with Pairwise Independence	Zejian Li, Yongchuan Tang, Wei Li, Yongxing He
Poster	5633: MixUp as Locally Linear Out-of-Manifold Regularization	Hongyu Guo, Yongyi Mao, Richong Zhang
Poster	5853: Complex Unitary Recurrent Neural Networks Using Scaled Cayley Transform	Kehelwala Dewage G. Maduranga, Kyle E. Helfrich, Qiang Ye
Poster	6273: Learning to Adaptively Scale Recurrent Neural Networks	Hao Hu, Liqiang Wang, Guo-Jun Qi
Poster	7703: Paraphrase Diversification Using Counterfactual Debiasing	Sunghyun Park, Seung-won Hwang, Fuxiang Chen, Jaegul Choo, Jung-Woo Ha, Sunghun Kim, Jinyeong Yim
<b>Tech Session 2: Language and Vision 2</b>		<b>Wed 2-3:30, Coral 2</b>
Oral	1469: Learning to Compose Topic-Aware Mixture of Experts for Zero-Shot Video Captioning	Xin Wang, Jiawei Wu, Da Zhang, Yu Su, William Yang Wang
Oral	2277: Temporal Deformable Convolutional Encoder-Decoder Networks for Video Captioning	Jingwen Chen, Yingwei Pan, Yehao Li, Ting Yao, Hongyang Chao, Tao Mei
Oral	3934: Connecting Language to Images: A Progressive Attention-Guided Network for Simultaneous Image Captioning and Language Grounding	Lingyun Song, Jun Liu, Buyue Qian, Yihe Chen
Oral	4561: What and Where the Themes Dominate in Image	Xinyu Xiao, Lingfeng Wang, Shiming Xiang, Chunhong Pan
Oral	5030: Beyond RNNs: Positional Self-Attention with Co-Attention for Video Question Answering	Xiangpeng Li, Jingkuan Song, Lianli Gao, Xianglong Liu, Wenbing Huang, Xiangnan He, Chuang Gan
Poster	3610: Dynamic Capsule Attention for Visual Question Answering	Yiyi Zhou, Rongrong Ji, Jinsong Su, Xiaoshuai Sun, Weiqiu Chen
Poster	4082: Hierarchically Structured Reinforcement Learning for Topically Coherent Visual Story Generation	Qiuyuan Huang, Zhe Gan, Asli Celikyilmaz, Dapeng Wu, Jianfeng Wang, Xiaodong He
Poster	4444: Few-Shot Image and Sentence Matching via Gated Visual-Semantic Embedding	Yan Huang, Yang Long, Liang Wang
Poster	4938: Meta Learning for Image Captioning	Nannan Li, Zhenzhong Chen, Shan Liu
Poster	5723: Unsupervised Stylish Image Description Generation via Domain Layer Norm	Cheng Kuan Chen, Zhufeng Pan, Ming-Yu Liu, Min Sun
Poster	6893: Localizing Natural Language in Videos	Jingyuan Chen, Lin Ma, Xinpeng Chen, Zequn Jie, Jiebo Luo

Poster	7226: Unsupervised Bilingual Lexicon Induction from Mono-Lingual Multimodal Data	Shizhe Chen, Qin Jin, Alexander Hauptmann
<b>Tech Session 3: AI and Web 5</b>		<b>Wed 2-3:30, South Pacific 1</b>
Oral	4773: Surveys without Questions: A Reinforcement Learning Approach	Atanu R. Sinha, Deepali Jain, Nikhil Sheoran, Sopan Khosla, Reshmi Sasidharan
Oral	4912: Meimei: An Efficient Probabilistic Approach for Semantically Annotating Tables	Kunihiro Takeoka, Masafumi Oyamada, Shinji Nakadai, Takeshi Okadome
Oral	5084: Community Detection in Social Networks Considering Topic Correlations	Yingkui Wang, Di Jin, Katarzyna Musial, Jianwu Dang
Oral	7635: Session-Based Recommendation with Graph Neural Networks	Shu Wu, Yuyuan Tang, Yanqiao Zhu, Liang Wang, Xing Xie, Tieniu Tan
Oral	8023: Hierarchical Reinforcement Learning for Course Recommendation in MOOCs	Jing Zhang, Bowen Hao, Bo Chen, Cuiping Li, Hong Chen, Jimeng Sun
Poster	4077: Efficient Data Point Pruning for One-Class SVM	Yasuhiro Fujiwara, Sekitoshi Kanai, Junya Arai, Yasutoshi Ida, Naonori Ueda
Poster	6494: SNR: Sub-Network Routing for Flexible Parameter Sharing in Multi-Task Learning	Jiaqi Ma, Zhe Zhao, Jilin Chen, Ang Li, Lichan Hong, Ed Chi
Poster	6719: DeepTileBars: Visualizing Term Distribution for Neural Information Retrieval	Zhiwen Tang, Grace Hui Yang
Poster	6742: Learning from Web Data Using Adversarial Discriminative Neural Networks for Fine-Grained Classification	Xiaoxiao Sun, Liyi Chen, Jufeng Yang
Poster	6798: Text Assisted Insight Ranking Using Context-Aware Memory Network	Qi Zeng, Liangchen Luo, Wenhao Huang, Yang Tang
Poster	7005: VistaNet: Visual Aspect Attention Network for Multimodal Sentiment Analysis	Quac-Tuan Truong, Hady W. Lauw
Poster	7028: Exploiting Background Knowledge in Compact Answer Generation for Why-Questions	Ryu Iida, Canasai Kruengkrai, Ryo Ishida, Kentaro Torisawa, Jong-Hoon Oh, Julien Kloetzer
<b>Tech Session 4: NLP: Text Classification</b>		<b>Wed 2-3:30, South Pacific 2</b>
Oral	2012: Explicit Interaction Model towards Text Classification	Cunxiao Du, Zhaozheng Chen, Fuli Feng, Lei Zhu, Tian Gan, Liqiang Nie
Oral	2498: Improving Natural Language Inference Using External Knowledge in the Science Questions Domain	Xiaoyan Wang, Pavan Kapanipathi, Ryan Musa, Mo Yu, Kartik Talamadupula, Ibrahim Abdelaziz, Maria Chang, Achille Fokoue, Bassem Makni, Nicholas Mattei, Michael Witbrock
Oral	4044: DialogueRNN: An Attentive RNN for Emotion Detection in Conversations	Navonil Majumder, Soujanya Poria, Devamanyu Hazarika, Rada Mihalcea, Alexander Gelbukh, Erik Cambria
Oral	5630: From Independent Prediction to Reordered Prediction: Integrating Relative Position and Global Label Information to Emotion Cause Identification	Zixiang Ding, Huihui He, Mengran Zhang, Rui Xia
Oral	6649: Jointly Learning to Label Sentences and Tokens	Marek Rei, Anders Søgaard
Poster	1614: Adaptive Region Embedding for Text Classification	Liuyu Xiang, Xiaoming Jin, Lan Yi, Guiguang Ding
Poster	1863: Graph Convolutional Networks for Text Classification	Liang Yao, Chengsheng Mao, Yuan Luo
Poster	1933: A Human-Like Semantic Cognition Network for Aspect-Level Sentiment Classification	Zeyang Lei, Yujiu Yang, Min Yang, Wei Zhao, Jun Guo, Yi Liu
Poster	2198: Dynamic Compositionality in Recursive Neural Networks with Structure-Aware Tag Representations	Taeuk Kim, Jihun Choi, Daniel Edmiston, Sanghwan Bae, Sang-goo Lee
Poster	4024: Weakly-Supervised Hierarchical Text Classification	Yu Meng, Jiaming Shen, Chao Zhang, Jiawei Han
Poster	4251: Deep Short Text Classification with Knowledge Powered Attention	Jindong Chen, Yizhou Hu, Jingping Liu, Yanghua Xiao, Haiyun Jiang
Poster	4569: Exploring Answer Stance Detection with Recurrent Conditional Attention	Jianhua Yuan, Yanyan Zhao, Jingfang Xu, Bing Qin
<b>Tech Session 5: Vision and Video Analysis 3</b>		<b>Wed 2-3:30, South Pacific 3</b>
Oral	1121: A Bottom-Up Clustering Approach to Unsupervised Person Re-Identification	Yutian Lin, Xuanyi Dong, Liang Zheng, Yan Yan, Yi Yang
Oral	1993: Segregated Temporal Assembly Recurrent Networks for Weakly Supervised Multiple Action Detection	Yunlu Xu, Chengwei Zhang, Zhanzhan Cheng, Jianwen Xie, Yi Niu, Shiliang Pu, Fei Wu
Oral	2080: Discriminative Feature Learning for Unsupervised Video Summarization	Yunjae Jung, Donghyeon Cho, Dahun Kim, Sanghyun Woo, In So Kweon
Oral	2579: Robust Anomaly Detection in Videos Using Multilevel Representations	Hung Vu, Tu Dinh Nguyen, Trung Le, Wei Luo, Dinh Phung
Oral	2939: MLVCNN: Multi-Loop-View Convolutional Neural Network for 3D Shape Retrieval	Jianwen Jiang, Di Bao, Ziqiang Chen, Xibin Zhao, Yue Gao
Poster	2065: Towards Highly Accurate and Stable Face Alignment for High-Resolution Videos	Ying Tai, Yicong Liang, Xiaoming Liu, Lei Duan, Jilin Li, Chengjie Wang, Feiyue Huang, Yu Chen
Poster	2230: Video Object Detection with Locally-Weighted Deformable Neighbors	Zhengkai Jiang, Peng Gao, Chaoxu Guo, Qian Zhang, Shiming Xiang, Chunhong Pan

Poster	2389: Fully Convolutional Video Captioning with Coarse-to-Fine and Inherited Attention	Kuncheng Fang, Lian Zhou, Cheng Jin, Yuejie Zhang, Kangnian Weng, Tao Zhang, Weiguo Fan
Poster	2732: Motion Guided Spatial Attention for Video Captioning	Shaoxiang Chen, Yu-Gang Jiang
Poster	4029: Learning Transferable Self-Attentive Representations for Action Recognition in Untrimmed Videos with Weak Supervision	Xiao-Yu Zhang, Haichao Shi, Changsheng Li, Kai Zheng, Xiaobin Zhu, Lixin Duan
Poster	4121: Spatial and Temporal Mutual Promotion for Video-Based Person Re-Identification	Yiheng Liu, Zhenxun Yuan, Wengang Zhou, Houqiang Li
Poster	4239: Multiple Saliency and Channel Sensitivity Network for Aggregated Convolutional Feature	Xuanlu Xiang, Zhipeng Wang, Zhicheng Zhao, Fei Su
<b>AAAI-19 Senior Member Papers 3 (Summary)</b>		<b>Wed 2-3:30, South Pacific 4</b>
	SMT39: Learning and the Unknown: Surveying Steps Toward Open World Recognition	Terrance E. Boulton, Steve Cruz, Akshay Dhamija, Manuel Günther, James Henrydoss, Walter Scheirer
	SMT193: Abstractive Summarization: A Survey of the State of the Art	Hui Lin, Vincent Ng
	SMT24: Machine Learning with Crowdsourcing: A Brief Summary of the Past Research and Future Directions	Victor S. Sheng, Jing Zhang
	SMT121: Performance Evaluation in Machine Learning: The Good, The Bad, The Ugly and The Way Forward	Peter Flach
	SMT174: Is Everything Going According to Plan? – Expectations in Goal Reasoning Agents	Hector Munoz-Avila, Dustin Dannenhauer, Noah Reifsnnyder
	SMT109: Borda Count in Collective Decision Making: A Summary of Recent Results	Jörg Rothe
<b>Tech Session 6: Search, Constraint Satisfaction and Optimization 3</b>		<b>Wed 2-3:30, Hibiscus Suite</b>
Oral	4189: On Sampling Complexity of the Semidefinite Affine Rank Feasibility Problem	Igor Molybog, Javad Lavaei
Oral	4499: Improving Optimization Bounds Using Machine Learning: Decision Diagrams Meet Deep Reinforcement Learning	Quentin Cappart, Emmanuel Goutierre, David Bergman, Louis-Martin Rousseau
Oral	5833: A Nonconvex Projection Method for Robust PCA	Aritra Dutta, Filip Hanzely, Peter Richtarik
Oral	6365: Learning Optimal Classification Trees Using a Binary Linear Program Formulation	Sicco Verwer, Yingqian Zhang
Oral	6600: Abduction-Based Explanations for Machine Learning Models	Alexey Ignatiev, Nina Narodytska, Joao Marques-Silva
Poster	3455: Submodular Optimization over Streams with Inhomogeneous Decays	Junzhou Zhao, Shuo Shang, Pinghui Wang, John C. S. Lui, Xiangliang Zhang
Poster	4964: HyperAdam: A Learnable Task-Adaptive Adam for Network Training	Shipeng Wang, Jian Sun, Zongben Xu
Poster	6595: Constraint-Based Sequential Pattern Mining with Decision Diagrams	Amin Hosseininasab, Willem-Jan van Hoeve, Andre A. Cire
Poster	6708: Learning Optimal and Fair Decision Trees for Non-Discriminative Decision-Making	Sina Aghaei, Mohammad Javad Azizi, Phebe Vayanos
Poster	6781: On Geometric Alignment in Low Doubling Dimension	Hu Ding, Mingquan Ye
Poster	7225: Low-Rank Semidefinite Programming for the MAX2SAT Problem	Po-Wei Wang, J. Zico Kolter
Poster	7860: Revisiting Projection-Free Optimization for Strongly Convex Constraint Sets	Jarrid Rector-Brooks, Jun-Kun Wang, Barzan Mozafari
<b>Tech Session 7: Game Theory and Economic Paradigms 6</b>		<b>Wed 2-3:30, Kahili Suite</b>
Oral	4853: On the Complexity of the Inverse Semivalue Problem for Weighted Voting Games	Ilias Diakonikolas, Chrystalla Pavlou
Oral	4907: Partial Verification as a Substitute for Money	Sofia Ceppi, Ian Kash, Rafael Frongillo
Oral	5679: On the Inducibility of Stackelberg Equilibrium in Security Games	Qingyu Guo, Jiarui Gan, Fei Fang, Long Tran-Thanh, Milind Tambe, Bo An
Oral	5978: Multi-Unit Bilateral Trade	Matthias Gerstgrasser, Paul W. Goldberg, Bart de Keijzer, Philip Lazos, Alexander Skopalik
Oral	6080: Heuristic Voting as Ordinal Dominance Strategies	Omer Lev, Reshef Meir, Sventlana Obratzsova, Maria Polukarov
Poster	4430: Approximate Inference of Outcomes in Probabilistic Elections	Batya Kenig, Benny Kimelfeld
Poster	5994: Robust Optimization over Multiple Domains	Qi Qian, Shenghuo Zhu, Jiasheng Tang, Rong Jin, Baigui Sun, Hao Li
Poster	6095: You Get What You Share: Incentives for a Sharing Economy	Sreenivas Gollapudi, Kostas Kollias, Debmalaya Panigrahi
Poster	6381: Manifold-Valued Image Generation with Wasserstein Generative Adversarial Nets	Zhiwu Huang, Jiqing Wu, Luc Van Gool
Poster	6403: Learning Deviation Payoffs in Simulation-Based Games	Samuel Sokota, Caleb Ho, Bryce Wiedenbeck
Poster	6498: Bayesian Execution Skill Estimation	Christopher Archibald, Delma Nieves-Rivera
Poster	6725: An Improved Quasi-Polynomial Algorithm for Approximate Well-Supported Nash Equilibria	Michail Fasoulakis, Vangelis Markakis
<b>Tech Session 8: Planning, Routing, and Scheduling 3</b>		<b>Wed 2-3:30, Lehua</b>
Oral	5010: Operator Mutexes and Symmetries for Simplifying Planning Tasks	Daniel Fišer, Alvaro Torralba, Alexander Shleyfman

Oral	5097: Deep Learning for Cost-Optimal Planning: Task-Dependent Planner Selection	Silvan Sievers, Michael Katz, Shirin Sohrabi, Horst Samulowitz, Patrick Ferber
Oral	5388: Temporal Planning with Temporal Metric Trajectory Constraints	Andrea Micheli, Enrico Scala
Oral	5422: Moral Permissibility of Action Plans	Felix Lindner, Robert Mattmüller, Bernhard Nebel
Oral	5758: An Innovative Genetic Algorithm for the Quantum Circuit Compilation Problem	Riccardo Rasconi, Angelo Oddi
Poster	5828: Efficiently Reasoning with Interval Constraints in Forward Search Planning	Amanda Coles, Andrew Coles, Moises Martinez, Emre Savas, Juan Manuel Delfa, Tomas de la Rosa, Yolanda E-Martin, Angel Garcia-Olaya
Poster	6035: Lifelong Path Planning with Kinematic Constraints for Multi-Agent Pickup and Delivery	Hang Ma, Wolfgang Hoenig, T. K. Satish Kumar, Nora Ayanian, Sven Koenig
Poster	6193: Measurement Maximizing Adaptive Sampling with Risk Bounding Functions	Benjamin Ayton, Brian Williams, Richard Camilli
Poster	6285: Robustness Envelopes for Temporal Plans	Michael Cashmore, Alessandro Cimatti, Daniele Magazzeni, Andrea Micheli, Parisa Zehtabi
Poster	6736: IPOMDP-Net: A Deep Neural Network for Partially Observable Multi-Agent Planning Using Interactive POMDPs	Yanlin Han, Piotr Gmytrasiewicz
Poster	7418: Successor Features Based Multi-Agent RL for Event-Based Decentralized MDPs	Tarun Gupta, Akshat Kumar, Praveen Paruchuri
Poster	7899: Plan-Length Bounds: Beyond 1-Way Dependency	Mohammad Abdulaziz
<b>Tech Session 9: Applications and the Web 3</b>		<b>Wed 2-3:30, Sea Pearl Suite</b>
Oral	428: TrafficPredict: Trajectory Prediction for Heterogeneous Traffic-Agents	Yuxin Ma, Xinge Zhu, Sibozhang, Ruigang Yang, Wenping Wang, Dinesh Manocha
Oral	4329: Incorporating Semantic Similarity with Geographic Correlation for Query-POI Relevance Learning	Ji Zhao, Dan Peng, Chuhan Wu, Huan Chen, Meiyu Yu, Wanji Zheng, Li Ma, Hua Chai, Jieping Ye, Xiaohu Qie
Oral	4503: Spatiality Preservable Factored Poisson Regression for Large-Scale Fine-Grained GPS-Based Population Analysis	Masamichi Shimosaka, Yuta Hayakawa, Kota Tsubouchi
Oral	4736: Hierarchical Macro Strategy Model for MOBA Game AI	Bin Wu
Oral	5624: DeepSTN+: Context-Aware Spatial-Temporal Neural Network for Crowd Flow Prediction in Metropolis	Ziqian Lin, Jie Feng, Ziyang Lu, Yong Li, Depeng Jin
Poster	3401: Exploiting Sentence Embedding for Medical Question Answering	Yu Hao, Xien Liu, Ji Wu, Ping Lv
Poster	3497: Building Causal Graphs from Medical Literature and Electronic Medical Records	Galia Nordon, Gideon Koren, Varda Shalev, Benny Kimelfeld, Uri Shalit, Kira Radinsky
Poster	3706: Beyond Speech: Generalizing D-Vectors for Biometric Verification	Jacob Baldwin, Ryan Burnham, Andrew Meyer, Robert Dora, Robert Wright
Poster	3904: Dynamic Spatial-Temporal Graph Convolutional Neural Networks for Traffic Forecasting	Zulong Diao, Xin Wang, Dafang Zhang, Yingru Liu, Kun Xie, Shaoyao He
Poster	4206: Neural Collective Graphical Models for Estimating Spatio-Temporal Population Flow from Aggregated Data	Tomoharu Iwata, Hitoshi Shimizu
Poster	4455: Modelling of Bi-Directional Spatio-Temporal Dependence and Users' Dynamic Preferences for Missing POI Check-In Identification	Dongbo Xi, Fuzhen Zhuang, Yanchi Liu, Jingjing Gu, Hui Xiong, Qing He
Poster	5442: Private Model Compression via Knowledge Distillation	Ji Wang, Weidong Bao, Lichao Sun, Xiaomin Zhu, Bokai Cao, Philip S. Yu
<b>IAAI-19: Science</b>		<b>Wed 2-3:30, Nautilus Suite</b>
	IAAI77: Early-Stopping of Scattering Pattern Observation with Bayesian Modeling	Akinori Asahara, Hidekazu Morita, Chiharu Mitsumata, Kanta Ono, Masao Yano, Tetsuya Shoji
	IAAI104: Novelty Detection for Multispectral Images with Application to Planetary Exploration	Hannah R. Kerner, Danika F. Wellington, Kiri L. Wagstaff, James F. Bell, Heni Ben Amor
	IAAI125: Expert Guided Rule Based Prioritization of Scientifically Relevant Images for Downlinking over Limited Bandwidth from Planetary Orbiters	Srija Chakraborty, Subhasish Das, Ayan Banerjee, Sandeep K. S. Gupta, Philip R. Christensen
	IAAI55: Cleaning Noisy and Heterogeneous Metadata for Record Linking across Scholarly Big Datasets	Athar Sefid, Jian Wu, Jing Zhao, Lu Liu, Cornelia Caragea, Prasenjit Mitra, C. Lee Giles
	IAAI83: A Fast Machine Learning Workflow for Rapid Phenotype Prediction from Whole Shotgun Metagenomes	Anna Paola Carrieri, Will Rowe, Martyn Winn, Edward O. Pyzer-Knapp
<b>3:35 - 4:35pm</b>		
<b>Tech Session 1: Reinforcement Learning 1</b>		<b>Wed 3:35-4:35, Coral Ballroom 3-5</b>
Oral	1395: Virtual-Taobao: Virtualizing Real-World Online Retail Environment for Reinforcement Learning	Jing-Cheng Shi, Yang Yu, Qing Da, Shi-Yong Chen, An-Xiang Zeng
Oral	4049: QUOTA: The Quantile Option Architecture for Reinforcement Learning	Shangdong Zhang, Hengshuai Yao
Oral	6574: Combined Reinforcement Learning via Abstract Representations	Vincent Francois-Lavet, Yoshua Bengio, Doina Precup, Joelle Pineau

Poster	1460: Diverse Exploration via Conjugate Policies for Policy Gradient Methods	Andrew Cohen, Xingye Qiao, Lei Yu, Elliot Way, Xiangrong Tong
Poster	2433: State-Augmentation Transformations for Risk-Sensitive Reinforcement Learning	Shuai Ma, Jia Yuan Yu
Poster	3228: Trust Region Evolution Strategies	Guoqing Liu, Li Zhao, Feidiao Yang, Jiang Bian, Tao Qin, Nenghai Yu, Tie-Yan Liu
Poster	3606: A Comparative Analysis of Expected and Distributional Reinforcement Learning	Clare Lyle, Marc G. Bellemare, Pablo Samuel Castro
Poster	3739: Hybrid Reinforcement Learning with Expert State Sequences	Xiaoxiao Guo, Shiyu Chang, Mo Yu, Gerald Tesauro, Murray Campbell
Poster	3873: Natural Option Critic	Saket Tiwari, Philip S. Thomas
Poster	4433: The Utility of Sparse Representations for Control in Reinforcement Learning	Vincent Liu, Raksha Kumaraswamy, Lei Le, Martha White
<b>Tech Session 2: Deep Learning 3</b>		<b>Wed 3:35 - 4:35, Coral 1</b>
Oral	1468: The Goldilocks Zone: Towards Better Understanding of Neural Network Loss Landscapes	Stanislav Fort, Adam Scherlis
Oral	3625: Deep Metric Learning by Online Soft Mining and Class-Aware Attention	Xinshao Wang, Yang Hua, Elyor Kodirov, Guosheng Hu, Neil M. Robertson
Oral	3752: Explicitly Imposing Constraints in Deep Networks Via Conditional Gradients Gives Improved Generalization and Faster Convergence	Sathya N. Ravi, Tuan Dinh, Vishnu Suresh Lokhande, Vikas Singh
Poster	1679: DAN: Deep Attention Neural Network for News Recommendation	Qiannan Zhu, Xiaofei Zhou, Zeliang Song, Jianlong Tan, Li Guo
Poster	3701: Learning to Communicate and Solve Visual Blocks-World Tasks	Qi Zhang, Richard Lewis, Satinder Singh, Edmund Durfee
Poster	3724: Interpreting Deep Models for Text Analysis via Optimization and Regularization Methods	Hao Yuan, Yongjun Chen, Xia Hu, Shuiwang Ji
Poster	6818: Utilizing Class Information for Deep Network Representation Shaping	Daeyoung Choi, Wonjong Rhee
Poster	7063: Composite Binary Decomposition Network	You Qiaoben, Zheng Wang, Jianguo Li, Yinpeng Dong, Yu-Gang Jiang, Jun Zhu
Poster	7094: Character $n$ -Gram Embeddings to Improve RNN Language Models	Sho Takase, Jun Suzuki, Masaaki Nagata
Poster	7866: Geometric Hawkes Processes with Graph Convolutional Recurrent Neural Networks	Jin Shang, Mingxuan Sun
<b>Tech Session 3: Online Learning</b>		<b>Wed 3:35 - 4:35, Coral 2</b>
Oral	2934: Cogra: Concept-Drift-Aware Stochastic Gradient Descent for Time-Series Forecasting	Kohei Miyaguchi, Hiroshi Kajino
Oral	3088: On-Line Learning of Linear Dynamical Systems: Exponential Forgetting in Kalman Filters	Mark Kozdoba, Jakub Marecek, Tigran Tchakian, Shie Mannor
Oral	6539: Online Learning from Data Streams with Varying Feature Spaces	Ege Beyazit, Jeevithan Alagurajah, Xindong Wu
Poster	518: Adaptive Sparse Confidence-Weighted Learning for Online Feature Selection	Yanbin Liu, Yan Yan, Ling Chen, Yahong Han, Yi Yang
Poster	2614: Tensorial Change Analysis Using Probabilistic Tensor Regression	Tsuyoshi Ide
Poster	3441: Meta-Descent for Online, Continual Prediction	Andrew Jacobsen, Matthew Schlegel, Cameron Linke, Thomas Degris, Adam White, Martha White
Poster	3773: Multistream Classification with Relative Density Ratio Estimation	Bo Dong, Yang Gao, Swarup Chandra, Latifur Khan
Poster	4377: Partially Observable Multi-Sensor Sequential Change Detection: A Combinatorial Multi-Armed Bandit Approach	Chen Zhang, Steven C. H. Hoi
Poster	4562: One-Pass Incomplete Multi-View Clustering	Menglei Hu, Songcan Chen
Poster	7292: Dueling Bandits with Qualitative Feedback	Liyuan Xu, Junya Honda, Masashi Sugiyama
<b>Tech Session 4: NLP: Semantics and Summarization 2</b>		<b>Wed 3:35 - 4:35, South Pacific 2</b>
Oral	4052: ParaBank: Monolingual Bitext Generation and Sentential Paraphrasing via Lexically-Constrained Neural Machine Translation	J. Edward Hu, Rachel Rudinger, Matt Post, Benjamin Van Durme
Oral	4788: Learning Semantic Representations for Novel Words: Leveraging Both Form and Context	Timo Schick, Hinrich Schütze
Oral	7468: Syntax-Aware Neural Semantic Role Labeling	Qingrong Xia, Zhenghua Li, Min Zhang, Meishan Zhang, Guohong Fu, Rui Wang, Luo Si
Poster	209: Word Embedding as Maximum A Posteriori Estimation	Shoaib Jameel, Zihao Fu, Bei Shi, Wai Lam, Steven Schockaert
Poster	298: DeepChannel: Saliency Estimation by Contrastive Learning for Extractive Document Summarization	Jiaxin Shi, Chen Liang, Lei Hou, Juanzi Li, Zhiyuan Liu, Hanwang Zhang
Poster	606: ScisummNet: A Large Annotated Corpus and Content-Impact Models for Scientific Paper Summarization with Citation Networks	Michihiro Yasunaga, Jungo Kasai, Rui Zhang, Alexander R. Fabbri, Irene Li, Dan Friedman, Dragomir R. Radev

Poster	3133: Semantic Sentence Matching with Densely-Connected Recurrent and Co-Attentive Information	Seonhoon Kim, Inho Kang, Nojun Kwak
Poster	4114: Generating Character Descriptions for Automatic Summarization of Fiction	Weiwei Zhang, Jackie Chi Kit Cheung, Joel Oren
Poster	4461: Implicit Argument Prediction as Reading Comprehension	Pengxiang Cheng, Katrin Erk
Poster	4746: Towards Personalized Review Summarization via User-Aware Sequence Network	Junjie Li, Haoran Li, Chengqing Zong
<b>Tech Session 5: Vision and Video Analysis 4</b>		<b>Wed 3:35 - 4:35, South Pacific 3</b>
Oral	3404: Temporal Bilinear Networks for Video Action Recognition	Yanghao Li, Sijie Song, Yuqi Li, Jiaying Liu
Oral	3540: Attentive Temporal Pyramid Network for Dynamic Scene Classification	Yuanjun Huang, Xianbin Cao, Xiantong Zhen, Jungong Han
Oral	7133: Controllable Image-to-Video Translation: A Case Study on Facial Expression Generation	Lijie Fan, Wenbing Huang, Chuang Gan, Junzhou Huang, Boqing Gong
Poster	4498: Frame and Feature-Context Video Super-Resolution	Bo Yan, Chuming Lin, Weimin Tan
Poster	4808: Efficient Image Retrieval via Decoupling Diffusion into Online and Offline Processing	Fan Yang, Ryota Hinami, Yusuke Matsui, Steven Ly, Shin'ichi Satoh
Poster	4989: Action Knowledge Transfer for Action Prediction with Partial Videos	Yijun Cai, Haoxin Li, Jian-Fang Hu, Wei-Shi Zheng
Poster	5056: Learning Incremental Triplet Margin for Person Re-Identification	Yingying Zhang, Qiaoyong Zhong, Liang Ma, Di Xie, Shiliang Pu
Poster	5325: Mode Variational LSTM Robust to Unseen Modes of Variation: Application to Facial Expression Recognition	Wissam J. Baddar, Yong Man Ro
Poster	6338: Multilevel Language and Vision Integration for Text-to-Clip Retrieval	Huijuan Xu, Kun He, Bryan A. Plummer, Leonid Sigal, Stan Sclaroff, Kate Saenko
Poster	8018: Learning a Key-Value Memory Co-Attention Matching Network for Person Re-Identification	Yaqing Zhang, Xi Li, Zhongfei Zhang
<b>AAAI-19 Senior Member Papers 4 (Blue Sky)</b>		<b>Wed 3:35 - 4:35, South Pacific 4</b>
	SMT148: Recommender Systems: A Healthy Obsession	Barry Smyth
	SMT131: Designing Preferences, Beliefs, and Identities for Artificial Intelligence	Vincent Conitzer
	SMT163: Towards Fluid Machine Intelligence: Can We Make a Gifted AI?	Ian Davidson, Peter B. Walker
	SMT192: Envisioning AI for K-12: What Should Every Child Know about AI?	David Touretzky, Christina Gardner-McCune, Fred Martin, Deborah Seehorn
<b>Tech Session 6: Search, Constraint Satisfaction and Optimization 4</b>		<b>Wed 3:35 - 4:35, Hibiscus Suite</b>
Oral	6669: Concurrency Debugging with MaxSMT	Miguel Terra-Neves, Nuno Machado, Ines Lynce, Vasco Manquinho
Oral	6921: Adding Constraints to Bayesian Inverse Problems	Jiacheng Wu, Jian-Xun Wang, Shawn C. Shadden
Oral	7399: Clairvoyant Restarts in Branch-and-Bound Search Using Online Tree-Size Estimation	Daniel Anderson, Gregor Hendel, Pierre Le Bodic, Jan Merlin Viernickel
Poster	1312: Balancing Relevance and Diversity in Online Bipartite Matching via Submodularity	John P. Dickerson, Karthik Abinav Sankararaman, Aravind Srinivasan, Pan Xu
Poster	1951: Non-Ergodic Convergence Analysis of Heavy-Ball Algorithms	Tao Sun, Penghang Yin, Dongsheng Li, Chun Huang, Lei Guan, Hao Jiang
Poster	3914: Interleave Variational Optimization with Monte Carlo Sampling: A Tale of Two Approximate Inference Paradigms	Qi Lou, Rina Dechter, Alexander Ihler
Poster	6617: An Improved Generic Bet-and-Run Strategy with Performance Prediction for Stochastic Local Search	Thomas Weise, Zijun Wu, Markus Wagner
Poster	6748: Distributed PageRank Computation: An Improved Theoretical Study	Siqiang Luo
Poster	6881: Evolving Solutions to Community-Structured Satisfiability Formulas	Frank Neumann, Andrew M. Sutton
Poster	7772: Randomized Strategies for Robust Combinatorial Optimization	Yasushi Kawase, Hanna Sumita
<b>Tech Session 7: Game Theory and Economic Paradigms 7</b>		<b>Wed 3:35 - 4:35, Kahili Suite</b>
Oral	6155: On the Proximity of Markets with Integral Equilibria	Siddharth Barman, Sanath Kumar Krishnamurthy
Oral	6523: Dynamic Contracting under Positive Commitment	Ilan Lobel, Renato Paes Leme
Oral	7591: Poll-Confident Voters in Iterative Voting	Anaëlle Wilczynski
Poster	1604: When Do Envy-Free Allocations Exist?	Pasin Manurangsi, Warut Suksompong
Poster	1939: A Unified Approach to Online Matching with Conflict-Aware Constraints	Pan Xu, Yexuan Shi, Hao Cheng, John Dickerson, Karthik Abinav Sankararaman, Aravind Srinivasan, Yongxin Tong, Leonidas Tsepeneakas
Poster	3050: On the Distortion Value of the Elections with Abstention	Mohammad Ghodsi, Mohammad Latifian, Masoud Seddighin
Poster	3107: Computing the Yolk in Spatial Voting Games without Computing Median Lines	Joachim Gudmundsson, Sampson Wong
Poster	3805: "Reverse Gerrymandering:" Manipulation in Multi-Group Decision Making	Omer Lev, Yoad Lewenberg

Poster	6839: Large Scale Learning of Agent Rationality in Two-Player Zero-Sum Games	Chun Kai Ling, Fei Fang, J. Zico Kolter
Poster	7946: Active Generative Adversarial Network for Image Classification	Quan Kong, Bin Tong, Martin Klunkigt, Yuki Watanabe, Naoto Akira, Tomokazu Murakami
	<b>Tech Session 8: Planning, Routing, and Scheduling 4</b>	<b>Wed 3:35 - 4:35, Lehua</b>
Oral	5812: Efficient Temporal Planning Using Metastates	Amanda Coles, Andrew Coles, J. Christopher Beck
Oral	6405: Learning How to Ground a Plan — Partial Grounding in Classical Planning	Daniel Gnad, Alvaro Torralba, Martin Dominguez, Carlos Areces, Facundo Bustos
Oral	6962: Generalized Planning via Abstraction: Arbitrary Numbers of Objects	León Illanes, Sheila A. McIlraith
Poster	135: Evolving Action Abstractions for Real-Time Planning in Extensive-Form Games	Julian R. H. Mariño, Rubens O. Moraes, Claudio Toledo, Levi H. S. Lelis
Poster	1127: Tackling Sparse Rewards in Real-Time Games with Statistical Forward Planning Methods	Raluca D. Gaina, Simon M. Lucas, Diego Perez-Liebana
Poster	1226: Task Transfer by Preference-Based Cost Learning	Mingxuan Jing, Xiaojian Ma, Wenbing Huang, Fuchun Sun, Huaping Liu
Poster	1437: Real-Time Planning as Decision-Making under Uncertainty	Andrew Mitchell, Wheeler Ruml, Fabian Spaniol, Joerg Hoffmann, Marek Petrik
Poster	3237: Human-in-the-Loop Feature Selection	Alvaro Henrique Chaim Correia, Freddy Lecue
Poster	3877: Symmetry-Breaking Constraints for Grid-Based Multi-Agent Path Finding	Jiaoyang Li, Daniel Harabor, Peter J. Stuckey, Hang Ma, Sven Koenig
Poster	4410: BiHMP-GAN: Bidirectional 3D Human Motion Prediction GAN	Jogendra Nath Kundu, Maharshi Gor, R. Venkatesh Babu
	<b>Tech Session 9: Applications and the Web 4</b>	<b>Wed 3:35 - 4:35, Sea Pearl Suite</b>
Oral	5893: NeVAE: A Deep Generative Model for Molecular Graphs	Bidisha Samanta, Abir De, Gourhari Jana, Pratim Kumar Chattaraj, Niloy Ganguly, Manuel Gomez Rodriguez
Oral	6001: PerformanceNet: Score-to-Audio Music Generation with Multi-Band Convolutional Residual Network	Bryan Wang, Yi-Hsuan Yang
Oral	6975: AffinityNet: Semi-Supervised Few-Shot Learning for Disease Type Prediction	Tianle Ma, Aidong Zhang
Poster	5676: Exploiting the Contagious Effect for Employee Turnover Prediction	Mingfei Teng, Hengshu Zhu, Chuanren Liu, Chen Zhu, Hui Xiong
Poster	5898: On Strength Adjustment for MCTS-Based Programs	I-Chen Wu, Ti-Rong Wu, An-Jen Liu, Hung Guei, Tinghan Wei
Poster	6525: SAFE: A Neural Survival Analysis Model for Fraud Early Detection	Panpan Zheng, Shuhan Yuan, Xintao Wu
Poster	7085: Anchors Bring Ease: An Embarrassingly Simple Approach to Partial Multi-View Clustering	Jun Guo, Jiahui Ye
Poster	7122: Robust Online Matching with User Arrival Distribution Drift	Yu-Hang Zhou, Chen Liang, Nan Li, Cheng Yang, Shenghuo Zhu, Rong Jin
Poster	7721: Learning Heterogeneous Spatial-Temporal Representation for Bike-Sharing Demand Prediction	Youru Li, Zhenfeng Zhu, Deqiang Kong, Meixiang Xu, Yao Zhao
Poster	8049: Region-Based Message Exploration over Spatio-Temporal Data Streams	Lisi Chen, Shuo Shang
	<b>IAAI-19: Education</b>	<b>Wed 3:35 - 4:35, Nautilus Suite</b>
	IAAI75: eRevise: Using Natural Language Processing to Provide Formative Feedback on Text Evidence Usage in Student Writing	H. Zhang, A. Magooda, D. Litman, R. Correnti, E. Wang, L. C. Matsmura, E. Howe, R. Quintana
	IAAI121: Linking Educational Resources on Data Science	José Luis Ambite, Jonathan Gordon, Lily Fierro, Gully Burns, Joel Mathew
	IAAI16: Inferring Concept Prerequisite Relations from Online Educational Resources	Sudeshna Roy, Meghana Madhyastha, Sheril Lawrence, Vaibhav Rajan
	<b>5:15 - 6:15pm</b>	
	<b>AAAI</b>	<b>Wed 5:15-6:15, Coral Ballroom</b>
	<b>AAAI-19 Invited Talk: GDPR, Data Shortage and AI</b>	<b>Qiang Yang</b>
	<b>6:30 - 8:30pm</b>	
	<b>AAAI</b>	<b>Wed 6:30-8:30, Coral, South Pacific and Nautilus Lounges</b>
	<b>AAAI-19 Poster / Demo Session 2</b>	
	<b>8:00 - 10:00pm</b>	
	<b>AAAI</b>	<b>Wed 8-10, Sea Pearl Suite</b>
	<b>AAAI-19 Games Night</b>	

**Thursday, January 31**

**8:20 - 8:40am**

	<b>AAAI</b>	<b>Thu 8:20-8:40, Coral Ballroom</b>
	<b>AAAI-19 Conference Awards</b>	<b>Pascal Van Hentenryck and Zhi-Hua Zhou</b>



<b>8:40 - 9:40am</b>		
	<b>AAAI</b>	<b>Thu 8:40-9:40, Coral Ballroom</b>
	<b>AAAI-19/IAAI-19 Joint Invited Talk: Urban Computing: Building Intelligent Cities Using Big Data and AI</b>	<b>Yu Zheng</b>
<b>10:25 - 11:25am</b>		
	<b>Tech Session 1: Multi-Instance/Multi-Label/Multi-View Learning</b>	<b>Thu 10:25-11:25, Coral Ballroom 3-5</b>
Oral	3912: Deep Robust Unsupervised Multi-Modal Network	Yang Yang, Yi-Feng Wu, De-Chuan Zhan, Zhi-Bin Liu, Yuan Jiang
Oral	4783: Partial Multi-Label Learning by Low-Rank and Sparse Decomposition	Lijuan Sun, Songhe Feng, Tao Wang, Congyan Lang, Yi Jin
Oral	5383: Label Embedding with Partial Heterogeneous Contexts	Yaxin Shi, Donna Xu, Yuangang Pan, Ivor W. Tsang, Shirui Pan
Poster	2061: Two-Stage Label Embedding via Neural Factorization Machine for Multi-Label Classification	Chen Chen, Haobo Wang, Weiwei Liu, Xingyuan Zhao, Tianlei Hu, Gang Chen
Poster	2689: Multi-View Anomaly Detection: Neighborhood in Locality Matters	Xiang-Rong Sheng, De-Chuan Zhan, Su Lu, Yuan Jiang
Poster	4068: Task-Driven Common Representation Learning via Bridge Neural Network	Yao Xu, Xueshuang Xiang, Meiyu Huang
Poster	5134: Ranking-Based Deep Cross-Modal Hashing	Xuanwu Liu, Guoxian Yu, Carlotta Domeniconi, Jun Wang, Yazhou Ren, Maozu Guo
Poster	5189: Multi-View Multi-Instance Multi-Label Learning Based on Collaborative Matrix Factorization	Yuying Xing, Guoxian Yu, Carlotta Domeniconi, Jun Wang, Zili Zhang, Maozu Guo
Poster	5339: Collaboration Based Multi-Label Learning	Lei Feng, Bo An, Shuo He
Poster	7543: Multi-Source Neural Variational Inference	Richard Kurle, Stephan Günnemann, Patrick van der Smagt
	<b>Tech Session 2: Relational/Symbolic Learning</b>	<b>Thu 10:25-11:25, Coral 1</b>
Oral	482: Learning Diffusions without Timestamps	Hao Huang, Qian Yan, Ting Gan, Di Niu, Wei Lu, Yunjun Gao
Oral	3732: Inverse Abstraction of Neural Networks Using Symbolic Interpolation	Sumanth Dathathri, Sicun Gao, Richard M. Murray
Oral	6773: TransConv: Relationship Embedding in Social Networks	Yi-Yu Lai, Jennifer Neville, Dan Goldwasser
Poster	851: Embedding Uncertain Knowledge Graphs	Xuelu Chen, Muhao Chen, Weijia Shi, Yizhou Sun, Carlo Zaniolo
Poster	3186: On Completing Sparse Knowledge Base with Transitive Relation Embedding	Zili Zhou, Shaowu Liu, Guandong Xu, Wu Zhang
Poster	4252: LENA: Locality-Expanded Neural Embedding for Knowledge Base Completion	Fanshuang Kong, Richong Zhang, Yongyi Mao, Ting Deng
Poster	5172: Where to Go Next: A Spatio-Temporal Gated Network for Next POI Recommendation	Pengpeng Zhao, Haifeng Zhu, Yanchi Liu, Jiajie Xu, Zhixu Li, Fuzhen Zhuang, Victor S. Sheng, Xiaofang Zhou
Poster	5952: Fast Relational Probabilistic Inference and Learning: Approximate Counting via Hypergraphs	Mayukh Das, Devendra Singh Dhami, Gautam Kunapuli, Kristian Kersting, Sriraam Natarajan
Poster	6710: Improved Knowledge Graph Embedding Using Background Taxonomic Information	Bahare Fatemi, Siamak Ravanbakhsh, David Poole
Poster	6897: Explainable Reasoning over Knowledge Graphs for Recommendation	Xiang Wang, Dingxian Wang, Canran Xu, Xiangnan He, Yixin Cao, Tat-Seng Chua
	<b>Tech Session 3: Knowledge Representation and Reasoning 4</b>	<b>Thu 10:25-11:25, Coral 2</b>
Oral	5695: Learning Features and Abstract Actions for Computing Generalized Plans	Blai Bonet, Guillem Francès, Hector Geffner
Oral	6029: An Open-World Extension to Knowledge Graph Completion Models	Haseeb Shah, Johannes Villmow, Adrian Ulges, Ulrich Schwanecke, Faisal Shafait
Oral	6148: Multi-Context System for Optimization Problems	Tiep Le, Tran Cao Son, Enrico Pontelli
Poster	5974: End-to-End Structure-Aware Convolutional Networks for Knowledge Base Completion	Chao Shang, Yun Tang, Jing Huang, Jinbo Bi, Xiaodong He, Bowen Zhou
Poster	6049: Reasoning over Streaming Data in Metric Temporal Datalog	Przemysław Andrzej Wałęga, Mark Kaminski, Bernardo Cuenca Grau
Poster	6057: Training Temporal Word Embeddings with a Compass	Valerio Di Carlo, Federico Bianchi, Matteo Palmonari
Poster	6166: Ontology-Mediated Query Answering over Log-Linear Probabilistic Data	Stefan Borgwardt, Ismail Ilkan Ceylan, Thomas Lukasiewicz
Poster	7061: Story Ending Generation with Incremental Encoding and Commonsense Knowledge	Jian Guan, Yansen Wang, Minlie Huang
Poster	7692: Bi-Kronecker Functional Decision Diagrams: A Novel Canonical Representation of Boolean Functions	Xuanxiang Huang, Kehang Fang, Liangda Fang, Qingliang Chen, Zhao-Rong Lai, Linfeng Wei
Poster	8010: Satisfiability in Strategy Logic Can Be Easier than Model Checking	Erman Acar, Massimo Benerecetti, Fabio Mogavero
	<b>Tech Session 4: NLP (General) 1</b>	<b>Thu 10:25-11:25, South Pacific 1</b>
Oral	778: Sentence-Wise Smooth Regularization for Sequence to Sequence Learning	Chengyue Gong, Xu Tan, Di He, Tao Qin
Oral	1319: Combining Axiom Injection and Knowledge Base Completion for Efficient Natural Language Inference	Masashi Yoshikawa, Koji Mineshima, Hiroshi Noji, Daisuke Bekki
Oral	1321: Spell Once, Summon Anywhere: A Two-Level Open-Vocabulary Language Model	Sebastian J. Mielke, Jason Eisner

Poster	629: Knowledge-Driven Encode, Retrieve, Paraphrase for Medical Image Report Generation	Christy Y. Li, Xiaodan Liang, Zhiting Hu, Eric P. Xing
Poster	672: Template-Based Math Word Problem Solvers with Recursive Neural Networks	Lei Wang, Dongxiang Zhang, Jipeng Zhang, Xing Xu, Lianli Gao, Bingtian Dai, Heng Tao Shen
Poster	754: Data-to-Text Generation with Content Selection and Planning	Ratish Puduppully, Li Dong, Mirella Lapata
Poster	1303: TopicEq: A Joint Topic and Mathematical Equation Model for Scientific Texts	Michihiro Yasunaga, John D. Lafferty
Poster	2022: Dictionary-Guided Editing Networks for Paraphrase Generation	Shaohan Huang, Yu Wu, Furu Wei, Zhongzhi Luan
Poster	2192: Recurrent Stacking of Layers for Compact Neural Machine Translation Models	Raj Dabre, Atsushi Fujita
Poster	2340: Incorporating Structured Commonsense Knowledge for Story Completion	Jiaao Chen, Jianshu Chen, Zhou Yu
<b>Tech Session 5: NLP (General) 2</b>		<b>Thu 10:25-11:25, South Pacific 2</b>
Oral	3767: When Do Words Matter? Understanding the Impact of Lexical Choice on Audience Perception Using Individual Treatment Effect Estimation	Zhao Wang, Aron Culotta
Oral	3818: Understanding Actors and Evaluating Personae with Gaussian Embeddings	Hannah Kim, Denys Katerenchuk, Daniel Billet, Jun Huan, Haesun Park, Boyang Li
Oral	4307: Antonym-Synonym Classification Based on New Sub-Space Embeddings	Muhammad Asif Ali, Yifang Sun, Xiaoling Zhou, Wei Wang, Xiang Zhao
Poster	4402: Domain Agnostic Real-Valued Specificity Prediction	Wei-Jen Ko, Greg Durrett, Junyi Jessy Li
Poster	4533: Unsupervised Controllable Text Formalization	Parag Jain, Abhijit Mishra, Amar Prakash Azad, Karthik Sankaranarayanan
Poster	4605: Translating with Bilingual Topic Knowledge for Neural Machine Translation	Xiangpeng Wei, Yue Hu, Luxi Xing, Yipeng Wang, Li Gao
Poster	4743: Better Fine-Tuning via Instance Weighting for Text Classification	Zhi Wang, Wei Bi, Yan Wang, Xiaojiang Liu
Poster	4802: Lattice CNNs for Matching Based Chinese Question Answering	Yuxuan Lai, Yansong Feng, Xiaohan Yu, Zheng Wang, Kun Xu, Dongyan Zhao
Poster	5279: Unsupervised Learning Helps Supervised Neural Word Segmentation	Xiaobin Wang, Deng Cai, Linlin Li, Guangwei Xu, Hai Zhao, Luo Si
Poster	5729: Bidirectional Transition-Based Dependency Parsing	Yunzhe Yuan, Yong Jiang, Kewei Tu
<b>Tech Session 6: Vision: Motion</b>		<b>Thu 10:25-11:25, South Pacific 3</b>
Oral	736: DDFlow: Learning Optical Flow with Unlabeled Data Distillation	Pengpeng Liu, Irwin King, Michael R. Lyu, Jia Xu
Oral	1717: Human Action Transfer Based on 3D Model Reconstruction	Shanyan Guan, Shuo Wen, Dexin Yang, Bingbing Ni, Wendong Zhang, Jun Tang, Xiaokang Yang
Oral	7976: Robust Estimation of Similarity Transformation for Visual Object Tracking	Yang Li, Jianke Zhu, Steven C. H. Hoi, Wenjie Song, Zhefeng Wang, Hantang Liu
Poster	985: Learning Basis Representation to Refine 3D Human Pose Estimations	Chunyu Wang, Haibo Qiu, Alan L. Yuille, Wenjun Zeng
Poster	3362: Learning Attribute-Specific Representations for Visual Tracking	Yuankai Qi, Shengping Zhang, Weigang Zhang, Li Su, Qingming Huang, Ming-Hsuan Yang
Poster	3375: Learning Non-Uniform Hypergraph for Multi-Object Tracking	Longyin Wen, Dawei Du, Shengkun Li, Xiao Bian, Siwei Lyu
Poster	3538: Learning a Visual Tracker from a Single Movie without Annotation	Lingxiao Yang, David Zhang, Lei Zhang
Poster	5773: Graph CNNs with Motif and Variable Temporal Block for Skeleton-Based Action Recognition	Yu-Hui Wen, Lin Gao, Hongbo Fu, Fang-Lue Zhang, Shihong Xia
Poster	5873: Skeleton-Based Gesture Recognition Using Several Fully Connected Layers with Path Signature Features and Temporal Transformer Module	Chenyang Li, Xin Zhang, Lufan Liao, Lianwen Jin, Weixin Yang
Poster	6992: Spatio-Temporal Graph Routing for Skeleton-Based Action Recognition	Bin Li, Xi Li, Zhongfei Zhang, Fei Wu
<b>Tech Session 7: Vision (General) 2</b>		<b>Thu 10:25-11:25, South Pacific 4</b>
Oral	880: Learning a Deep Convolutional Network for Colorization in Monochrome-Color Dual-Lens System	Xuan Dong, Weixin Li, Xiaojie Wang, Yunhong Wang
Oral	1750: Non-Local Context Encoder: Robust Biomedical Image Segmentation against Adversarial Attacks	Xiang He, Sibe Yang, Guanbin Li, Haofeng Li, Huiyou Chang, Yizhou Yu
Oral	2331: Unsupervised Cross-Spectral Stereo Matching by Learning to Synthesize	Mingyang Liang, Xiaoyang Guo, Hongsheng Li, Xiaogang Wang, You Song
Poster	1578: Point Cloud Processing via Recurrent Set Encoding	Pengxiang Wu, Chao Chen, Jingru Yi, Dimitris Metaxas
Poster	1902: MR-NET: Exploiting Mutual Relation for Visual Relationship Detection	Yi Bin, Yang Yang, Chaofan Tao, Zi Huang, Jingjing Li, Heng Tao Shen
Poster	2210: Calibrated Stochastic Gradient Descent for Convolutional Neural Networks	Li'an Zhuo, Baochang Zhang, Chen Chen, Qixiang Ye, Jianzhuang Liu, David Doermann
Poster	2665: Almost Unsupervised Learning for Dense Crowd Counting	Deepak Babu Sam, Neeraj Nagaraj Sajjan, Himanshu Maurya, R. Venkatesh Babu

Poster	2686: An Efficient Compressive Convolutional Network for Unified Object Detection and Image Compression	Xichuan Zhou, Lang Xu, Shujun Liu, Yingcheng Lin, Lei Zhang, Cheng Zhuo
Poster	2706: Depthwise Convolution is All You Need for Learning Multiple Visual Domains	Yunhui Guo, Yandong Li, Liqiang Wang, Tajana Rosing
Poster	7332: Learning Segmentation Masks with the Independence Prior	Songmin Dai, Xiaoqiang Li, Lu Wang, Pin Wu, Weiqin Tong, Yimin Chen
<b>Tech Session 8: Search, Constraint Satisfaction and Optimization 5</b>		<b>Thu 10:25-11:25, Hibiscus Suite</b>
Oral	56: On the Optimal Efficiency of Cost-Algebraic A*	Robert C. Holte, Sandra Zilles
Oral	777: Allocating Planning Effort When Actions Expire	Shahaf S. Shperberg, Andrew Coles, Bence Cserna, Erez Karpas, Wheeler Ruml, Solomon Eyal Shimony
Oral	947: Enriching Non-Parametric Bidirectional Search Algorithms	Shahaf S. Shperberg, Ariel Felner, Nathan R. Sturtevant, Solomon Eyal Shimony, Avi Hayoun
Poster	1681: TAPAS: Train-Less Accuracy Predictor for Architecture Search	Roxana Istrate, Florian Scheidegger, Giovanni Mariani, Dimitrios Nikolopoulos, Costas Bekas, A. Cristiano I. Malossi
Poster	2407: How to Combine Tree-Search Methods in Reinforcement Learning (AAAI-19 Outstanding Paper Award)	Yonathan Efroni, Gal Dalal, Bruno Scherrer, Shie Mannor
Poster	2786: Bezier Simplex Fitting: Describing Pareto Fronts of Simplicial Problems with Small Samples in Multi-Objective Optimization	Ken Kobayashi, Naoki Hamada, Akiyoshi Sannai, Akinori Tanaka, Kenichi Bannai, Masashi Sugiyama
Poster	2836: Fuzzy-Classification Assisted Solution Preselection in Evolutionary Optimization	Aimin Zhou, Jinyuan Zhang, Jianyong Sun, Guixu Zhang
Poster	3052: Fine-Grained Search Space Classification for Hard Enumeration Variants of Subset Problems	Juho Lauri, Sourav Dutta
Poster	3768: Running Time Analysis of MOEA/D with Crossover on Discrete Optimization Problem	Zhengxin Huang, Yuren Zhou, Zefeng Chen, Xiaoyu He
Poster	4039: ACE: An Actor Ensemble Algorithm for Continuous Control with Tree Search	Shangdong Zhang, Hengshuai Yao
<b>Tech Session 9: Bayesian Learning and Probabilistic Graphical Model 1</b>		<b>Thu 10:25-11:25, Kahili Suite</b>
Oral	2371: Unsupervised Learning with Contrastive Latent Variable Models	Kristen A. Severson, Soumya Ghosh, Kenney Ng
Oral	3249: Efficient Gaussian Process Classification Using Polya-Gamma Data Augmentation	Florian Wenzel, Theo Galy-Fajou, Christian Donner, Marius Kloft, Manfred Opper
Oral	4575: Refining Coarse-Grained Spatial Data Using Auxiliary Spatial Data Sets with Various Granularities	Yusuke Tanaka, Tomoharu Iwata, Toshiyuki Tanaka, Takeshi Kurashima, Maya Okawa, Hiroyuki Toda
Poster	1250: Joint Semi-Supervised Feature Selection and Classification through Bayesian Approach	Bingbing Jiang, Xingyu Wu, Kui Yu, Huanhuan Chen
Poster	1760: Block Belief Propagation for Parameter Learning in Markov Random Fields	You Lu, Zhiyuan Liu, Bert Huang
Poster	1855: Estimating the Causal Effect from Partially Observed Time Series	Akane Iseki, Yusuke Mukuta, Yoshitaka Ushiku, Tatsuya Harada
Poster	2742: Orthogonality-Promoting Dictionary Learning via Bayesian Inference	Lei Luo, Jie Xu, Cheng Deng, Heng Huang
Poster	2858: Bias-Variance Trade-Off in Hierarchical Probabilistic Models Using Higher-Order Feature Interactions	Simon Luo, Mahito Sugiyama
Poster	2943: SpHMC: Spectral Hamiltonian Monte Carlo	Haoyi Xiong, Kafeng Wang, Jiang Bian, Zhanxing Zhu, Cheng-Zhong Xu, Zhishan Guo, Jun Huan
Poster	3157: Hyperprior Induced Unsupervised Disentanglement of Latent Representations	Abdul Fatir Ansari, Harold Soh
<b>Tech Session 10: Humans and AI</b>		<b>Thu 10:25-11:25, Lehua</b>
Oral	134: Be Inaccurate but Don't Be Indecisive: How Error Distribution Can Affect User Experience	Rafael R. Padovani, Lucas N. Ferreira, Levi H. S. Lelis
Oral	1504: Randomized Wagering Mechanisms	Yiling Chen, Yang Liu, Juntao Wang
Oral	3632: Deep Transformation Method for Discriminant Analysis of Multi-Channel Resting State fMRI	Abhay M S Aradhya, Aditya Joglekar, Sundaram Suresh, Mahardhika Pratama
Poster	1925: Towards Sentence-Level Brain Decoding with Distributed Representations	Jingyuan Sun, Shaonan Wang, Jiajun Zhang, Chengqing Zong
Poster	2333: Goal-Oriented Dialogue Policy Learning from Failures	Keting Lu, Shiqi Zhang, Xiaoping Chen
Poster	2721: Election with Bribe Voter Uncertainty: Hardness and Approximation Algorithm	Lin Chen, Lei Xu, Shouhuai Xu, Zhimin Gao, Weidong Shi
Poster	2722: Human Motion Prediction via Learning Local Structure Representations and Temporal Dependencies	Xiao Guo, Jongmoo Choi
Poster	3830: Consensual Affine Transformations for Partial Valuation Aggregation	Hermann Schichl, Meinolf Sellmann
Poster	5324: Scale Invariant Fully Convolutional Network: Detecting Hands Efficiently	Dan Liu, Dawei Du, Libo Zhang, Tiejian Luo, Yanjun Wu, Feiyue Huang, Siwei Lyu

Poster	5625: Lipper: Synthesizing Thy Speech Using Multi-View Lipreading	Yaman Kumar, Rohit Jain, Khwaja Mohd. Salik, Rajiv Ratn Shah, Yifang Yin, Roger Zimmermann
	<b>Tech Session 11: Reasoning under Uncertainty 1</b>	<b>Thu 10:25-11:25, Sea Pearl Suite</b>
Oral	652: On Testing of Uniform Samplers	Sourav Chakraborty, Kuldeep S. Meel
Oral	1405: Rethinking the Discount Factor in Reinforcement Learning: A Decision Theoretic Approach	Silviu Pitis
Oral	1838: Finding All Bayesian Network Structures within a Factor of Optimal	Zhenyu A. Liao, Charupriya Sharma, James Cussens, Peter van Beek
Poster	2372: Semi-Parametric Sampling for Stochastic Bandits with Many Arms	Mingdong Ou, Nan Li, Cheng Yang, Shenghuo Zhu, Rong Jin
Poster	3008: Safe Policy Improvement with Baseline Bootstrapping in Factored Environments	Thiago D. Simão, Matthijs T. J. Spaan
Poster	3036: Dirichlet Multinomial Mixture with Variational Manifold Regularization: Topic Modeling over Short Texts	Ximing Li, Jiaojiao Zhang, Jihong Ouyang
Poster	3515: Communication Efficient Stochastic Gradient MCMC for Neural Networks	Chunyu Li, Changyou Chen, Yunchen Pu, Ricardo Henao, Lawrence Carin
Poster	3722: Machine Teaching for Inverse Reinforcement Learning: Algorithms and Applications	Daniel S. Brown, Scott Niekum
Poster	4257: Optimizing Discount and Reputation Trade-Offs in E-Commerce Systems: Characterization and Online Learning	Hong Xie, Yongkun Li, John C. S. Lui
	<b>IAAI-19: Transportation and Navigation</b>	<b>Thu 10:25-11:25, Nautilus Suite</b>
	IAAI110: Tagging Address Queries in Maps Search	Shekoofeh Mokhtari, Ahmad Mahmoudy, Dragomir Yankov, Ning Xie
	IAAI19: Early Detection of Vacant Parking Spaces Using Dashcam Videos	Ming-Che Wu, Mei-Chen Yeh
	IAAI128: VPDS: An AI-Based Automated Vehicle Occupancy and Violation Detection System	Abhinav Kumar, Aishwarya Gupta, Bishal Santra, Lalitha KS, Manasa Kolla, Mayank Gupta, Rishabh Singh

11:30am - 12:30pm

	<b>Tech Session 1: Deep Learning 4</b>	<b>Thu 11:30-12:30, Coral Ballroom 3-5</b>
Oral	410: MEAL: Multi-Model Ensemble via Adversarial Learning	Zhiqiang Shen, Zhankui He, Xiangyang Xue
Oral	1882: DoPAMINE: Double-Sided Masked CNN for Pixel Adaptive Multiplicative Noise Despeckling	Sunghwan Joo, Sungmin Cha, Taesup Moon
Oral	2071: Super Sparse Convolutional Neural Networks	Yao Lu, Guangming Lu, Bob Zhang, Yuanrong Xu, Jinxing Li
Poster	353: Deep Interest Evolution Network for Click-Through Rate Prediction	Guorui Zhou, Na Mou, Ying Fan, Qi Pi, Weijie Bian, Chang Zhou, Xiaoqiang Zhu, Kun Gai
Poster	4841: Learning (from) Deep Hierarchical Structure among Features	Yu Zhang, Lei Han
Poster	4932: Inter-Class Angular Loss for Convolutional Neural Networks	Le Hui, Xiang Li, Chen Gong, Meng Fang, Joey Tianyi Zhou, Jian Yang
Poster	5688: Tied Transformers: Neural Machine Translation with Shared Encoder and Decoder	Yingce Xia, Tianyu He, Xu Tan, Fei Tian, Di He, Tao Qin
Poster	6907: Spatially Invariant Unsupervised Object Detection with Convolutional Neural Networks	Eric Crawford, Joelle Pineau
Poster	7713: Efficient Quantization for Neural Networks with Binary Weights and Low Bitwidth Activations	Kun Huang, Bingbing Ni, Xiaokang Yang
Poster	8001: Towards Reliable Learning for High Stakes Applications	Jinyang Gao, Junjie Yao, Yingxia Shao
	<b>Tech Session 2: Machine Learning 2</b>	<b>Thu 11:30-12:30, Coral 1</b>
Oral	4078: RS3CIS: Robust Single-Step Spectral Clustering with Intrinsic Subspace	Yun Xiao, Pengzhen Ren, Zhihui Li, Xiaojiang Chen, Xin Wang, Dingyi Fang
Oral	4891: Sparse Reject Option Classifier Using Successive Linear Programming	Kulin Shah, Naresh Manwani
Oral	5295: Human-Like Delicate Region Erasing Strategy for Weakly Supervised Detection	Qing En, Lijuan Duan, Zhaoxiang Zhang, Xiang Bai, Yundong Zhang
Poster	913: Robustness Can Be Cheap: A Highly Efficient Approach to Discover Outliers under High Outlier Ratios	Siqi Wang, En Zhu, Xiping Hu, Xinwang Liu, Qiang Liu, Jianping Yin, Fei Wang
Poster	2327: Large-Scale Interactive Recommendation with Tree-Structured Policy Gradient	Haokun Chen, Xinyi Dai, Han Cai, Weinan Zhang, Xuejian Wang, Ruiming Tang, Yuzhou Zhang, Yong Yu
Poster	4382: Generating Chinese Ci with Designated Metrical Structure	Richong Zhang, Xinyu Liu, Xinwei Chen, Zhiyuan Hu, Zhaoqing Xu, Yongyi Mao
Poster	6229: Evaluating Recommender System Stability with Influence-Guided Fuzzing	David Shriver, Sebastian Elbaum, Matthew B. Dwyer, David S. Rosenblum
Poster	6420: Near-Lossless Binarization of Word Embeddings	Julien Tissier, Christophe Gravier, Amaury Habrard
Poster	6465: DyS: A Framework for Mixture Models in Quantification	André Maletzke, Denis dos Reis, Everton Cherman, Gustavo Batista
Poster	6886: A Deep Reinforcement Learning Based Multi-Step Coarse to Fine Question Answering (MSCQA) System	Yu Wang, Hongxia Jin
Poster	7221: Wasserstein Soft Label Propagation on Hypergraphs: Algorithm and Generalization Error Bounds	Tingran Gao, Shahab Asoodeh, Yi Huang, James Evans

<b>Tech Session 3: Knowledge Representation and Reasoning 5</b>		<b>Thu 11:30-12:30, Coral 2</b>
Oral	5448: Unbounded Orchestrations of Transducers for Manufacturing	Natasha Alechina, Tomas Brazdil, Giuseppe De Giacomo, Paolo Felli, Brian Logan, Moshe Y. Vardi
Oral	5628: Approximate Stream Reasoning with Metric Temporal Logic under Uncertainty	Daniel de Leng, Fredrik Heintz
Oral	5931: On Structured Argumentation with Conditional Preferences	Phan Minh Dung, Phan Minh Thang, Tran Cao Son
Poster	314: Safe Partial Diagnosis from Normal Observations	Roni Stern, Brendan Juba
Poster	517: Polynomial-Time Probabilistic Reasoning with Partial Observations via Implicit Learning in Probability Logics	Brendan Juba
Poster	1497: Less but Better: Generalization Enhancement of Ordinal Embedding via Distributional Margin	Ke Ma, Qianqian Xu, Zhiyong Yang, Xiaochun Cao
Poster	1874: Group Decision Diagram (GDD): A Compact Representation for Permutations	Takanori Maehara, Yuma Inoue
Poster	2326: Scalable and Efficient Pairwise Learning to Achieve Statistical Accuracy	Bin Gu, Zhouyuan Huo, Heng Huang
Poster	3916: Declarative Question Answering over Knowledge Bases Containing Natural Language Text with Answer Set Programming	Arindam Mitra, Peter Clark, Oyvind Tafjord, Chitta Baral
Poster	4385: Distributed Representation of Words in Cause and Effect Spaces	Zhipeng Xie, Feiteng Mu
<b>Tech Session 4: NLP (General) 3</b>		<b>Thu 11:30-12:30, South Pacific 1</b>
Oral	1627: CGMH: Constrained Sentence Generation by Metropolis-Hastings Sampling	Ning Miao, Hao Zhou, Lili Mou, Rui Yan, Lei Li
Oral	1897: Modeling Coherence for Discourse Neural Machine Translation	Hao Xiong, Zhongjun He, Hua Wu, Haifeng Wang
Oral	3124: Neural Speech Synthesis with Transformer Network	Naihan Li, Shujie Liu, Yanqing Liu, Sheng Zhao, Ming Liu
Poster	2571: Online Embedding Compression for Text Classification Using Low Rank Matrix Factorization	Anish Acharya, Rahul Goel, Angeliki Metallinou, Inderjit Dhillon
Poster	2651: EA Reader: Enhance Attentive Reader for Cloze-Style Question Answering via Multi-Space Context Fusion	Chengzhen Fu, Yan Zhang
Poster	2685: Logic Attention Based Neighborhood Aggregation for Inductive Knowledge Graph Embedding	Peifeng Wang, Jialong Han, Chenliang Li, Rong Pan
Poster	2849: Dependency or Span, End-to-End Uniform Semantic Role Labeling	Zuchao Li, Shexia He, Hai Zhao, Yiqing Zhang, Zhuosheng Zhang, Xi Zhou, Xiang Zhou
Poster	2960: Hierarchical Attention Networks for Sentence Ordering	Tianming Wang, Xiaojun Wan
Poster	3179: Long Short-Term Memory with Dynamic Skip Connections	Tao Gui, Qi Zhang, Lujun Zhao, Yaosong Lin, Minlong Peng, Jingjing Gong, Xuanjing Huang
Poster	3183: Generating Distractors for Reading Comprehension Questions from Real Examinations	Yifan Gao, Lidong Bing, Piji Li, Irwin King, Michael R. Lyu
<b>Tech Session 5: NLP (General) 4</b>		<b>Thu, 11:30-12:30, South Pacific 2</b>
Oral	4711: Differentiated Distribution Recovery for Neural Text Generation	Jianing Li, Yanyan Lan, Jiafeng Guo, Jun Xu, Xueqi Cheng
Oral	5147: DRr-Net: Dynamic Re-Read Network for Sentence Semantic Matching	Kun Zhang, Guangyi Lv, Linyuan Wang, Le Wu, Enhong Chen, Fangzhao Wu, Xing Xie
Oral	5484: Chinese NER with Height-Limited Constituent Parsing	Rui Wang, Xin Xin, Wei Chang, Kun Ming, Biao Li, Xin Fan
Poster	6156: MNCN: A Multilingual Ngram-Based Convolutional Network for Aspect Category Detection in Online Reviews	Erfan Ghadery, Sajad Movahedi, Hesham Faili, Azadeh Shakery
Poster	6411: Fast and Simple Mixture of Softmaxes with BPE and Hybrid-LightRNN for Language Generation	Xiang Kong, Qizhe Xie, Zihang Dai, Eduard Hovy
Poster	6442: Analysis of Joint Multilingual Sentence Representations and Semantic K-Nearest Neighbor Graphs	Holger Schwenk, Douwe Kiela, Matthijs Douze
Poster	6485: Contextualized Non-Local Neural Networks for Sequence Learning	Pengfei Liu, Shuaichen Chang, Jian Tang, Jackie Chi Kit Cheung
Poster	6558: "Bilingual Expert" Can Find Translation Errors	Kai Fan, Jiayi Wang, Bo Li, Fengming Zhou, Boxing Chen, Luo Si
Poster	6597: A Task in a Suit and a Tie: Paraphrase Generation with Semantic Augmentation	Su Wang, Rahul Gupta, Nancy Chang, Jason Baldridge
Poster	6611: Graph Based Translation Memory for Neural Machine Translation	Mengzhou Xia, Guoping Huang, Lemao Liu, Shuming Shi
<b>Tech Session 6: Vision: Categorization and Recognition 1</b>		<b>Thu 11:30-12:30, South Pacific 3</b>
Oral	65: Look Across Elapse: Disentangled Representation Learning and Photorealistic Cross-Age Face Synthesis for Age-Invariant Face Recognition	Jian Zhao, Yu Cheng, Yi Cheng, Yang Yang, Fang Zhao, Jianshu Li, Hengzhu Liu, Yan Shuicheng, Jiashi Feng
Oral	246: Single-Label Multi-Class Image Classification by Deep Logistic Regression	Qi Dong, Xiatian Zhu, Shaogang Gong
Oral	6316: Data Fine-Tuning	Saheb Chhabra, Puspita Majumdar, Mayank Vatsa, Richa Singh
Poster	9: CircConv: A Structured Convolution with Low Complexity	Siyu Liao, Bo Yuan
Poster	233: Disentangled Variational Representation for Heterogeneous Face Recognition	Xiang Wu, Huaibo Huang, Vishal M. Patel, Ran He, Zhenan Sun

Poster	272: Disjoint Label Space Transfer Learning with Common Factorised Space	Xiaobin Chang, Yongxin Yang, Tao Xiang, Timothy M. Hospedales
Poster	1620: Soft Facial Landmark Detection by Label Distribution Learning	Kai Su, Xin Geng
Poster	3009: Residual Compensation Networks for Heterogeneous Face Recognition	Zhongying Deng, Xiaojiang Peng, Yu Qiao
Poster	3045: Dual Semi-Supervised Learning for Facial Action Unit Recognition	Guozhu Peng, Shangfei Wang
Poster	5768: Instance-Level Facial Attributes Transfer with Geometry-Aware Flow	Weidong Yin, Ziwei Liu, Chen Change Loy
<b>Tech Session 7: Vision (General) 3</b>		<b>Thu 11:30-12:30, South Pacific 4</b>
Oral	1806: Self-Supervised Video Representation Learning with Space-Time Cubic Puzzles	Dahun Kim, Donghyeon Cho, In So Kweon
Oral	2760: MVPNet: Multi-View Point Regression Networks for 3D Object Reconstruction from a Single Image	Jinglu Wang, Bo Sun, Yan Lu
Oral	4607: DeepCCFV: Camera Constraint-Free Multi-View Convolutional Neural Network for 3D Object Retrieval	Zhengyue Huang, Zhehui Zhao, Hengguang Zhou, Xibin Zhao, Yue Gao
Poster	2815: Spatial Mixture Models with Learnable Deep Priors for Perceptual Grouping	Jinyang Yuan, Bin Li, Xiangyang Xue
Poster	2870: Residual Invertible Spatio-Temporal Network for Video Super-Resolution	Xiaobin Zhu, Zhuangzi Li, Xiao-Yu Zhang, Changsheng Li, Yaqi Liu, Ziyu Xue
Poster	3241: A Framework to Coordinate Segmentation and Recognition	Wei Huang, Huimin Yu, Weiwei Zheng, Jing Zhang
Poster	3300: Tensor Ring Decomposition with Rank Minimization on Latent Space: An Efficient Approach for Tensor Completion	Longhao Yuan, Chao Li, Danilo P. Mandic, Jianting Cao, Qibin Zhao
Poster	3468: Learning Object Context for Dense Captioning	Xiangyang Li, Shuqiang Jiang, Jungong Han
Poster	3574: Image Saliency Prediction in Transformed Domain: A Deep Complex Neural Network Method	Lai Jiang, Zhe Wang, Mai Xu, Zulin Wang
Poster	7214: KVQA: Knowledge-Aware Visual Question Answering	Sanket Shah, Anand Mishra, Naganand Yadati, Partha Pratim Talukdar
<b>Tech Session 8: Search, Constraint Satisfaction and Optimization 6</b>		<b>Thu 11:30-12:30, Hibiscus Suite</b>
Oral	1109: Bounded Suboptimal Search with Learned Heuristics for Multi-Agent Systems	Markus Spies, Marco Todescato, Hannes Becker, Patrick Kesper, Nicolai Waniek, Meng Guo
Oral	2158: A Two-Individual Based Evolutionary Algorithm for the Flexible Job Shop Scheduling Problem	Junwen Ding, Zhipeng Lü, Chumin Li, Liji Shen, Liping Xu, Fred Glover
Oral	3288: Greedy Maximization of Functions with Bounded Curvature under Partition Matroid Constraints	Tobias Friedrich, Andreas Göbel, Frank Neumann, Francesco Quinzan, Ralf Rothenberger
Poster	362: MFBO-SSM: Multi-Fidelity Bayesian Optimization for Fast Inference in State-Space Models	Mahdi Imani, Seyede Fatemeh Ghoreishi, Douglas Allaire, Ulisses M. Braga-Neto
Poster	1480: Bayesian Posterior Approximation Via Greedy Particle Optimization	Futoshi Futami, Zhenghang Cui, Issei Sato, Masashi Sugiyama
Poster	2359: Policy Optimization with Model-Based Explorations	Feiyang Pan, Qingpeng Cai, An-Xiang Zeng, Chun-Xiang Pan, Qing Da, Hualin He, Qing He, Pingzhong Tang
Poster	2831: EA-CG: An Approximate Second-Order Method for Training Fully-Connected Neural Networks	Sheng-Wei Chen, Chun-Nan Chou, Edward Y. Chang
Poster	3447: Lifted Proximal Operator Machines	Jia Li, Cong Fang, Zhouchen Lin
Poster	5329: Faster Gradient-Free Proximal Stochastic Methods for Nonconvex Nonsmooth Optimization	Feihu Huang, Bin Gu, Zhouyuan Huo, Songcan Chen, Heng Huang
Poster	7422: A Non-Convex Optimization Approach to Correlation Clustering	Erik Thiel, Morteza Haghir Chehreghani, Devdatt Dubhashi
<b>Tech Session 9: Bayesian Learning and Probabilistic Graphical Model 2</b>		<b>Thu 11:30-12:30, Kahili Suite</b>
Oral	5839: Automatic Bayesian Density Analysis	Antonio Vergari, Alejandro Molina, Robert Peharz, Zoubin Ghahramani, Kristian Kersting, Isabel Valera
Oral	5968: Bayesian Graph Convolutional Neural Networks for Semi-Supervised Classification	Yingxue Zhang, Soumyasundar Pal, Mark Coates, Deniz Ustebay
Oral	7194: Learning Logistic Circuits	Yitao Liang, Guy Van den Broeck
Poster	4350: Quantifying Uncertainties in Natural Language Processing Tasks	Yijun Xiao, William Yang Wang
Poster	3467: Bayesian Deep Collaborative Matrix Factorization	Teng Xiao, Shangsong Liang, Weizhou Shen, Zaiqiao Meng
Poster	3622: Deep Convolutional Sum-Product Networks	Cory J. Butz, Jhonatan S. Oliveira, André E. dos Santos, André L. Teixeira
Poster	4211: Understanding VAEs in Fisher-Shannon Plane	Huangjie Zheng, Jiangchao Yao, Ya Zhang, Ivor W. Tsang, Jia Wang
Poster	4836: Variational Autoencoder with Implicit Optimal Priors	Hiroshi Takahashi, Tomoharu Iwata, Yuki Yamanaka, Masanori Yamada, Satoshi Yagi
Poster	6276: Learning Vine Copula Models for Synthetic Data Generation	Yi Sun, Alfredo Cuesta-Infante, Kalyan Veeramachaneni
Poster	7290: InfoVAE: Balancing Learning and Inference in Variational Autoencoders	Shengjia Zhao, Jiaming Song, Stefano Ermon

	<b>Tech Session 10: Human-AI Collaboration 1</b>	<b>Thu 11:30-12:30, Lehua</b>
Oral	317: Augmenting Markov Decision Processes with Advising	Lois Vanh�e, Laurent Jeanpierre, Abdel-Allah Mouaddib
Oral	1734: Verifying Robustness of Gradient Boosted Models	Gil Einziger, Maayan Goldstein, Yaniv Sa'ar, Itai Segall
Oral	1955: Joint Dynamic Pose Image and Space Time Reversal for Human Action Recognition from Videos	Mengyuan Liu, Fanyang Meng, Chen Chen, Songtao Wu
Poster	1284: RGBD Based Gaze Estimation via Multi-Task CNN	Dongze Lian, Ziheng Zhang, Weixin Luo, Lina Hu, Minye Wu, Zechao Li, Jingyi Yu, Shenghua Gao
Poster	1610: Learning Personalized End-to-End Goal-Oriented Dialog	Liangchen Luo, Wenhao Huang, Qi Zeng, Zaiqing Nie, Xu Sun
Poster	2698: A Natural Language Corpus of Common Grounding under Continuous and Partially-Observable Context	Takuma Udagawa, Akiko Aizawa
Poster	2901: Deep Neural Networks Constrained by Decision Rules	Yuzuru Okajima, Kunihiko Sadamas
Poster	2924: Non-Autoregressive Machine Translation with Auxiliary Regularization	Yiren Wang, Fei Tian, Di He, Tao Qin, ChengXiang Zhai, Tie-Yan Liu
Poster	3123: Geometry-Aware Face Completion and Editing	Linsen Song, Jie Cao, Lingxiao Song, Yibo Hu, Ran He
Poster	3295: Preference-Aware Task Assignment in Spatial Crowdsourcing	Yan Zhao, Jinfu Xia, Guanfeng Liu, Han Su, Defu Lian, Shuo Shang, Kai Zheng
	<b>Tech Session 11: Reasoning under Uncertainty 2</b>	<b>Thu 11:30-12:30, Sea Pearl Suite</b>
Oral	2190: Active Preference Learning Based on Generalized Gini Functions: Application to the Multiagent Knapsack Problem	Nadjet Bourdache, Patrice Perny
Oral	2351: Anytime Recursive Best-First Search for Bounding Marginal MAP	Radu Marinescu, Akihiro Kishimoto, Adi Botea, Rina Dechter, Alexander Ihler
Oral	3922: Probabilistic Logic Programming with Beta-Distributed Random Variables	Federico Cerutti, Lance Kaplan, Angelika Kimmig, Murat Sensoy
Poster	1680: Kernelized Hashcode Representations for Relation Extraction	Sahil Garg, Aram Galstyan, Greg Ver Steeg, Irina Rish, Guillermo Cecchi, Shuyang Gao
Poster	4517: Robust Ordinal Embedding from Contaminated Relative Comparisons	Ke Ma, Qianqian Xu, Xiaochun Cao
Poster	5465: Path-Specific Counterfactual Fairness	Silvia Chiappa
Poster	5977: Lifted Hinge-Loss Markov Random Field	Sriram Srinivasan, Behrouz Babaki, Golnoosh Farnadi, Lise Getoor
Poster	5988: Robustness Guarantees for Bayesian Inference with Gaussian Processes	Luca Cardelli, Marta Kwiatkowska, Luca Laurenti, Andrea Patane
Poster	6540: Structured Bayesian Networks: From Inference to Learning with Routes	Yujia Shen, Anchal Goyanka, Adnan Darwiche, Arthur Choi
Poster	7217: Marginal Inference in Continuous Markov Random Fields Using Mixtures	Yuanzhen Guo, Hao Xiong, Nicholas Ruozi
Poster	679: On the Hardness of Probabilistic Inference Relaxations	Supratik Chakraborty, Kuldeep S. Meel, Moshe Y. Vardi
	<b>IAAI-19: Defence, Security, and Privacy</b>	<b>Thu 11:30-12:30, Nautilus Suite</b>
	IAAI47: Satellite Detection of Moving Vessels in Marine Environments	Natalie Fridman, Doron Amir, Yinon Douchan, Noa Agmon
	IAAI102: Profiles, Proxies, and Assumptions: Decentralized, Communications-Resilient Planning, Allocation, and Scheduling	Ugur Kuter, Brian Kettler, Katherine Guo, Martin Hofmann, Valerie Champagne, Kurt Lachevet
	IAAI113: Logistic Regression on Homomorphic Encrypted Data at Scale	Kyoohyung Han, Seungwan Hong, Jung Hee Cheon, Daejun Park
	IAAI62: Remote Management of Boundary Protection Devices with Information Restrictions	Aaron Adler, Peter Samouelian, Michael Atighetchi, Yat Fu
<b>12:30 - 3:00pm</b>		
	<b>AAAI</b>	<b>Thu 12:30-3:00, Coral 4 (Intro Talks: 12:30-1:00) and Coral Lounge</b>
	<b>AI Job Fair</b>	
<b>2:00 - 3:30pm</b>		
	<b>Tech Session 1: Weakly Supervised Learning 1</b>	<b>Thu 2-3:30, Coral Ballroom 3-5</b>
Oral	867: Self-Paced Active Learning: Query the Right Thing at the Right Time	Ying-Peng Tang, Sheng-Jun Huang
Oral	1296: Balanced Linear Contextual Bandits	Maria Dimakopoulou, Zhengyuan Zhou, Susan Athey, Guido Imbens
Oral	3343: Iterative Classroom Teaching	Teresa Yeo, Parameswaran Kamalaruban, Adish Singla, Arpit Merchant, Thibault Asselborn, Louis Faucon, Pierre Dillenbourg, Volkan Cevher
Oral	3720: Active Learning of Multi-Class Classification Models from Ordered Class Sets	Yanbing Xue, Milos Hauskrecht
Oral	7498: Active Sampling for Open-Set Classification without Initial Annotation	Zhao-Yang Liu, Sheng-Jun Huang
Poster	2553: Image Block Augmentation for One-Shot Learning	Zitian Chen, Yanwei Fu, Kaiyu Chen, Yu-Gang Jiang
Poster	3626: Learning Competitive and Discriminative Reconstructions for Anomaly Detection	Kai Tian, Shuigeng Zhou, Jianping Fan, Jihong Guan
Poster	5069: Mixture of Expert/Imitator Networks: Scalable Semi-Supervised Learning Framework	Shun Kiyono, Jun Suzuki, Kentaro Inui
Poster	5221: Confidence Weighted Multitask Learning	Peng Yang, Peilin Zhao, Jiayu Zhou, Xin Gao

Poster	5593: Exploiting Synthetically Generated Data with Semi-Supervised Learning for Small and Imbalanced Datasets	Maria Perez-Ortiz, Peter Tino, Rafal Mantiuk, Cesar Hervas-Martinez
Poster	5745: Distributionally Robust Semi-Supervised Learning for People-Centric Sensing	Kaixuan Chen, Lina Yao, Dalin Zhang, Xiaojun Chang, Guodong Long, Sen Wang
Poster	7240: Matrix Completion for Graph-Based Deep Semi-Supervised Learning	Fariborz Taherkhani, Hadi Kazemi, Nasser M. Nasrabadi
<b>Tech Session 2: Machine Learning 3</b>		<b>Thu 2-3:30, Coral 1</b>
Oral	1354: Scaling-Up Split-Merge MCMC with Locality Sensitive Sampling (LSS)	Chen Luo, Anshumali Shrivastava
Oral	1722: Classification with Costly Features Using Deep Reinforcement Learning	Jaromír Janisch, Tomáš Pevný, Viliam Lisý
Oral	3958: Congestion Graphs for Automated Time Predictions	Arik Senderovich, J. Christopher Beck, Avigdor Gal, Matthias Weidlich
Oral	5048: Regularized Evolution for Image Classifier Architecture Search	Esteban Real, Alok Aggarwal, Yanping Huang, Quoc V. Le
Oral	6217: Learning Plackett-Luce Mixtures from Partial Preferences	Ao Liu, Zhibing Zhao, Chao Liao, Pinyan Lu, Lirong Xia
Poster	941: Cross-View Local Structure Preserved Diversity and Consensus Learning for Multi-View Unsupervised Feature Selection	Chang Tang, Xinzhong Zhu, Xinwang Liu, Lizhe Wang
Poster	3325: Data-Adaptive Metric Learning with Scale Alignment	Shuo Chen, Chen Gong, Jian Yang, Ying Tai, Le Hui, Jun Li
Poster	4816: Oversampling for Imbalanced Data via Optimal Transport	Yuguang Yan, Mingkui Tan, Yanwu Xu, Jiezhong Cao, Michael Kwok-Po Ng, Huaqing Min, Qingyao Wu
Poster	5321: Partial Label Learning with Self-Guided Retraining	Lei Feng, Bo An
Poster	7188: Exploiting Class Learnability in Noisy Data	Matthew Klawonn, Eric Heim, James Hendler
Poster	7221: Wasserstein Soft Label Propagation on Hypergraphs: Algorithm and Generalization Error Bounds	Tingran Gao, Shahab Asoodeh, Yi Huang, James Evans
Poster	7354: Found in Translation: Learning Robust Joint Representations by Cyclic Translations between Modalities	Hai Pham, Paul Pu Liang, Thomas Manzini, Louis-Philippe Morency, Barnabas Poczos
<b>Tech Session 3: Logic Based AI</b>		<b>Thu 2-3:30, Coral 2</b>
Oral	1158: Modular Materialisation of Datalog Programs	Pan Hu, Boris Motik, Ian Horrocks
Oral	1207: ABox Abduction via Forgetting in ALC	Warren Del-Pinto, Renate A. Schmidt
Oral	1304: Induction of Non-Monotonic Logic Programs to Explain Boosted Tree Models Using LIME	Farhad Shakerin, Gopal Gupta
Oral	4595: Querying Attributed DL-Lite Ontologies Using Provenance Semirings	Camille Bourgaux, Ana Ozaki
Oral	5490: Enhancing Lazy Grounding with Lazy Normalization in Answer-Set Programming	Jori Bomanson, Tomi Janhunnen, Antonius Weinzierl
Poster	2311: On Limited Conjunctions and Partial Features in Parameter-Tractable Feature Logics	Stephanie McIntyre, Alexander Borgida, David Toman, Grant Weddell
Poster	3637: Efficient Concept Induction for Description Logics	Md Kamruzzaman Sarker, Pascal Hitzler
Poster	4554: Complexity of Inconsistency-Tolerant Query Answering in Datalog+/- under Cardinality-Based Repairs	Thomas Lukasiewicz, Enrico Malizia, Andrius Vaicenavicius
Poster	5286: Relaxing and Restraining Queries for OBDA	Medina Andresel, Yazmin Ibanez-Garcia, Magdalena Ortiz, Mantas Simkus
Poster	5807: Strong Equivalence for Epistemic Logic Programs Made Easy	Wolfgang Faber, Michael Morak, Stefan Woltran
Poster	5928: Ontology-Based Query Answering for Probabilistic Temporal Data	Patrick Koopmann
Poster	6074: Forgetting in Modular Answer Set Programming	Ricardo Gonçalves, Tomi Janhunnen, Matthias Knorr, João Leite, Stefan Woltran
<b>Tech Session 4: NLP (General) 5</b>		<b>Thu 2-3:30, South Pacific 1</b>
Oral	3134: Abstractive Text Summarization by Incorporating Reader Comments	Shen Gao, Xiuying Chen, Piji Li, Zhaochun Ren, Lidong Bing, Dongyan Zhao, Rui Yan
Oral	3156: On Resolving Ambiguous Anaphoric Expressions in Imperative Discourse	Vasanth Sarathy, Matthias Scheutz
Oral	3268: Reverse-Engineering Satire, or "Paper on Computational Humor Accepted Despite Making Serious Advances"	Robert West, Eric Horvitz
Oral	3275: A Generalized Language Model in Tensor Space	Lipeng Zhang, Peng Zhang, Xindian Ma, Shuqin Gu, Zhan Su, Dawei Song
Oral	3690: Automated Rule Base Completion as Bayesian Concept Induction	Zied Bouraoui, Steven Schockaert
Poster	3393: Dependency Grammar Induction with a Neural Variational Transition-Based Parser	Bowen Li, Jianpeng Cheng, Yang Liu, Frank Keller
Poster	3444: Recurrent Poisson Process Unit for Speech Recognition	Hengguang Huang, Hao Wang, Brian Mak
Poster	3490: A Grammar-Based Structural CNN Decoder for Code Generation	Zeyu Sun, Qihao Zhu, Lili Mou, Yingfei Xiong, Ge Li, Lu Zhang
Poster	3549: Exploring Human-Like Reading Strategy for Abstractive Text Summarization	Min Yang, Qiang Qu, Wenting Tu, Ying Shen, Zhou Zhao, Xiaojun Chen
Poster	3771: Neural Machine Translation with Adequacy-Oriented Learning	Xiang Kong, Zhaopeng Tu, Shuming Shi, Eduard Hovy, Tong Zhang



Poster	3970: A Topic-Aware Reinforced Model for Weakly Supervised Stance Detection	Penghui Wei, Wenji Mao, Guandan Chen
Poster	4137: Generating Multiple Diverse Responses for Short-Text Conversation	Jun Gao, Wei Bi, Xiaojiang Liu, Junhui Li, Shuming Shi
<b>Tech Session 5: NLP (General) 6</b>		<b>Thu 2-3:30, South Pacific 2</b>
Oral	5754: Unsupervised Post-Processing of Word Vectors via Conceptor Negation	Tianlin Liu, Lyle Ungar, João Sedoc
Oral	5894: What Is One Grain of Sand in the Desert? Analyzing Individual Neurons in Deep NLP Models	Fahim Dalvi, Nadir Durrani, Hassan Sajjad, Yonatan Belinkov, Anthony Bau, James Glass
Oral	6418: Transfer Learning for Sequence Labeling Using Source Model and Target Data	Lingzhen Chen, Alessandro Moschitti
Oral	7138: A Hierarchical Multi-Task Approach for Learning Embeddings from Semantic Tasks	Victor Sanh, Thomas Wolf, Sebastian Ruder
Oral	8047: Modeling Local Dependence in Natural Language with Multi-Channel Recurrent Neural Networks	Chang Xu, Weiran Huang, Hongwei Wang, Gang Wang, Tie-Yan Liu
Poster	6635: Enriching Word Embeddings with a Regressor Instead of Labeled Corpora	Mohamed Abdalla, Magnus Sahlgren, Graeme Hirst
Poster	6940: Adapting Translation Models for Transcript Disfluency Detection	Qianqian Dong, Feng Wang, Zhen Yang, Wei Chen, Shuang Xu, Bo Xu
Poster	7195: CompareLDA: A Topic Model for Document Comparison	Maksim Tkachenko, Hady W. Lauw
Poster	7236: Revisiting LSTM Networks for Semi-Supervised Text Classification via Mixed Objective Function	Devendra Singh Sachan, Manzil Zaheer, Ruslan Salakhutdinov
Poster	7242: Words Can Shift: Dynamically Adjusting Word Representations Using Nonverbal Behaviors	Yansen Wang, Ying Shen, Zhun Liu, Paul Pu Liang, Amir Zadeh, Louis-Philippe Morency
Poster	7440: A Deep Sequential Model for Discourse Parsing on Multi-Party Dialogues	Zhouxing Shi, Minlie Huang
Poster	7545: Switch-LSTMs for Multi-Criteria Chinese Word Segmentation	Jingjing Gong, Xinchu Chen, Tao Gui, Xipeng Qiu
<b>Tech Session 6: Vision: Categorization and Recognition 2</b>		<b>Thu 2-3:30, South Pacific 3</b>
Oral	1346: Recurrent Attention Model for Pedestrian Attribute Recognition	Xin Zhao, Liufang Sang, Guiguang Ding, Jungong Han, Na Di, Chenggang Yan
Oral	1557: Projection Convolutional Neural Networks for 1-Bit CNNs via Discrete Back Propagation	Jiaxin Gu, Ce Li, Baochang Zhang, Jungong Han, Xianbin Cao, Jianzhuang Liu, David Doermann
Oral	1871: Distribution Consistency Based Covariance Metric Networks for Few-Shot Learning	Wenbin Li, Jinglin Xu, Jing Huo, Lei Wang, Yang Gao, Jiebo Luo
Oral	2291: Semantic Relationships Guided Representation Learning for Facial Action Unit Recognition	Guanbin Li, Xin Zhu, Yirui Zeng, Qing Wang, Liang Lin
Oral	7147: Similarity Preserving Deep Asymmetric Quantization for Image Retrieval	Junjie Chen, William K. Cheung
Poster	119: Weighted Channel Dropout for Regularization of Deep Convolutional Neural Network	Saihui Hou, Zilei Wang
Poster	610: Recognizing Unseen Attribute-Object Pair with Generative Model	Zhixiong Nan, Yang Liu, Nanning Zheng, Song-Chun Zhu
Poster	972: Safeguarded Dynamic Label Regression for Noisy Supervision	Jiangchao Yao, Hao Wu, Ya Zhang, Ivor W. Tsang, Jun Sun
Poster	1399: A Dual Attention Network with Semantic Embedding for Few-Shot Learning	Shipeng Yan, Songyang Zhang, Xuming He
Poster	1960: Training Deep Neural Networks in Generations: A More Tolerant Teacher Educates Better Students	Chenglin Yang, Lingxi Xie, Siyuan Qiao, Alan L. Yuille
Poster	4105: Dual-View Ranking with Hardness Assessment for Zero-Shot Learning	Yuchen Guo, Guiguang Ding, Jungong Han, Xiaohan Ding, Sicheng Zhao, Zheng Wang, Chenggang Yan, Qionghai Dai
Poster	7182: Multi-Precision Quantized Neural Networks via Encoding Decomposition of $\{-1, +1\}$	Qigong Sun, Fanhua Shang, Kang Yang, Xiufang Li, Yan Ren, Licheng Jiao
<b>Tech Session 7: Vision (General) 4</b>		<b>Thu 2-3:30, South Pacific 4</b>
Oral	180: Talking Face Generation by Adversarially Disentangled Audio-Visual Representation	Hang Zhou, Yu Liu, Ziwei Liu, Ping Luo, Xiaogang Wang
Oral	5358: PVRNet: Point-View Relation Neural Network for 3D Shape Recognition	Haoxuan You, Yifan Feng, Xibin Zhao, Changqing Zou, Rongrong Ji, Yue Gao
Oral	5391: Understanding Pictograph with Facial Features: End-to-End Sentence-Level Lip Reading of Chinese	Xiaobing Zhang, Haigang Gong, Xili Dai, Fan Yang, Nianbo Liu, Ming Liu
Oral	6788: ACM: Adaptive Cross-Modal Graph Convolutional Neural Networks for RGB-D Scene Recognition	Yuan Yuan, Zhitong Xiong, Qi Wang
Oral	6793: PCGAN: Partition-Controlled Human Image Generation	Dong Liang, Rui Wang, Xiaowei Tian, Cong Zou
Poster	3931: Learning Dynamic Generator Model by Alternating Back-Propagation through Time	Jianwen Xie, Ruiqi Gao, Zilong Zheng, Song-Chun Zhu, Ying Nian Wu
Poster	4047: Learning Fully Dense Neural Networks for Image Semantic Segmentation	Mingmin Zhen, Jinglu Wang, Lei Zhou, Tian Fang, Long Quan
Poster	4048: Robust Deep Co-Saliency Detection with Group Semantic	Chong Wang, Zheng-Jun Zha, Dong Liu, Hongtao Xie

Poster	4364: Visual Place Recognition via Robust $l_2$ -Norm Distance Based Holism and Landmark Integration	Kai Liu, Hua Wang, Fei Han, Hao Zhang
Poster	5195: Multi-Attribute Transfer via Disentangled Representation	Jianfu Zhang, Yuanyuan Huang, Yaoyi Li, Weijie Zhao, Liqing Zhang
Poster	5390: Deliberate Attention Networks for Image Captioning	Lianli Gao, Kaixuan Fan, Jingkuan Song, Xianglong Liu, Xing Xu, Heng Tao Shen
Poster	5540: Attention-Aware Sampling via Deep Reinforcement Learning for Action Recognition	Wenkai Dong, Zhaoxiang Zhang, Tieniu Tan
<b>Tech Session 8: Search, Constraint Satisfaction and Optimization 7</b>		<b>Thu 2-3:30, Hibiscus Suite</b>
Oral	3975: Heuristic Search Algorithm for Dimensionality Reduction Optimally Combining Feature Selection and Feature Extraction	Baokun He, Swair Shah, Crystal Maung, Gordon Arnold, Guihong Wan, Haim Schweitzer
Oral	4454: Pareto Optimization for Subset Selection with Dynamic Cost Constraints	Vahid Roostapour, Aneta Neumann, Frank Neumann, Tobias Friedrich
Oral	4632: Stepping Stones to Inductive Synthesis of Low-Level Looping Programs	Christopher D. Rosin
Oral	6105: Learning Diverse Bayesian Networks	Cong Chen, Changhe Yuan
Oral	7667: On the Time Complexity of Algorithm Selection Hyper-Heuristics for Multimodal Optimisation	Andrei Lissovoi, Pietro S. Oliveto, John Alasdair Warwicker
Poster	2673: Subspace Selection via DR-Submodular Maximization on Lattices	So Nakashima, Takanori Maehara
Poster	4096: Online Convex Optimization for Sequential Decision Processes and Extensive-Form Games	Gabriele Farina, Christian Kroer, Tuomas Sandholm
Poster	4180: A Domain Generalization Perspective on Listwise Context Modeling	Lin Zhu, Yihong Chen, Bowen He
Poster	4810: Unsupervised Feature Selection by Pareto Optimization	Chao Feng, Chao Qian, Ke Tang
Poster	4820: Collaborative, Dynamic and Diversified User Profiling	Shangsong Liang
Poster	5211: Sign-Full Random Projections	Ping Li
Poster	7023: Improving Search with Supervised Learning in Trick-Based Card Games	Christopher Solinas, Douglas Rebstock, Michael Buro
<b>Tech Session 9: Data Mining</b>		<b>Thu 2-3:30, Kahili Suite</b>
Oral	1176: Unsupervised Fake News Detection on Social Media: A Generative Approach	Shuo Yang, Kai Shu, Suhang Wang, Renjie Gu, Fan Wu, Huan Liu
Oral	5171: Relation Structure-Aware Heterogeneous Information Network Embedding	Yuanfu Lu, Chuan Shi, Linmei Hu, Zhiyuan Liu
Oral	5691: Automatic Code Review by Learning the Revision of Source Code	Shu-Ting Shi, Ming Li, David Lo, Ferdian Thung, Xuan Huo
Oral	5709: Find Me If You Can: Deep Software Clone Detection by Exploiting the Contest between the Plagiarist and the Detector	Yan-Ya Zhang, Ming Li
Oral	7938: Enhanced Random Forest Algorithms for Partially Monotone Ordinal Classification	Christopher Bartley, Wei Liu, Mark Reynolds
Poster	787: Spectral Clustering in Heterogeneous Information Networks	Xiang Li, Ben Kao, Zhaochun Ren, Dawei Yin
Poster	2109: Clipped Matrix Completion: A Remedy for Ceiling Effects	Takeshi Teshima, Miao Xu, Issei Sato, Masashi Sugiyama
Poster	3526: Multi-Order Attentive Ranking Model for Sequential Recommendation	Lu Yu, Chuxu Zhang, Shangsong Liang, Xiangliang Zhang
Poster	3927: Embedding-Based Complex Feature Value Coupling Learning for Detecting Outliers in Non-IID Categorical Data	Hongzuo Xu, Yongjun Wang, Zhiyue Wu, Yijie Wang
Poster	4379: Understanding Persuasion Cascades in Online Product Rating Systems	Hong Xie, Yongkun Li, John C. S. Lui
Poster	6844: Uncovering Specific-Shape Graph Anomalies in Attributed Graphs	Nannan Wu, Wenjun Wang, Feng Chen, Jianxin Li, Bo Li, Jinpeng Huai
Poster	7647: Learning Uniform Semantic Features for Natural Language and Programming Language Globally, Locally and Sequentially	Yudong Zhang, Wenhao Zheng, Ming Li
<b>Tech Session 10: Human-AI Collaboration 2</b>		<b>Thu 2-3:30, Lehua</b>
Oral	2416: A Unified Framework for Planning in Adversarial and Cooperative Environments	Anagha Kulkarni, Siddharth Srivastava, Subbarao Kambhampati
Oral	6031: Interpretable Preference Learning: A Game Theoretic Framework for Large Margin On-Line Feature and Rule Learning	Mirko Polato, Fabio Aioli
Oral	6091: Learning Models of Sequential Decision-Making with Partial Specification of Agent Behavior	Vaibhav V. Unhelkar, Julie A. Shah
Oral	6613: Efficiently Combining Human Demonstrations and Interventions for Safe Training of Autonomous Systems in Real-Time	Vinicius G. Goecks, Gregory M. Gremillion, Vernon J. Lawhern, John Valasek, Nicholas R. Waytowich
Oral	6668: Updates in Human-AI Teams: Understanding and Addressing the Performance/Compatibility Tradeoff	Gagan Bansal, Besmira Nushi, Ece Kamar, Daniel S. Weld, Walter S. Lasecki, Eric Horvitz
Poster	3507: Generating Live Soccer-Match Commentary from Play Data	Yasufumi Taniguchi, Yukun Feng, Hiroya Takamura, Manabu Okumura

Poster	3659: Interactive Semantic Parsing for If-Then Recipes via Hierarchical Reinforcement Learning	Ziyu Yao, Xiujun Li, Jianfeng Gao, Brian Sadler, Huan Sun
Poster	4297: FLEX: Faithful Linguistic Explanations for Neural Net Based Model Decisions	Sandareka Wickramanayake, Wynne Hsu, Mong Li Lee
Poster	5238: Explainable Recommendation through Attentive Multi-View Learning	Jingyue Gao, Xiting Wang, Yasha Wang, Xing Xie
Poster	5255: Predicting Concrete and Abstract Entities in Modern Poetry	Fiammetta Caccavale, Anders Søgaard
Poster	5934: Making Money from What You Know — How to Sell Information?	Shani Alkoby, Zihe Wang, David Same, Pingzhong Tang
Poster	6915: Generation of Policy-Level Explanations for Reinforcement Learning	Nicholay Topin, Manuela Veloso
<b>Tech Session 11: Multiagent Systems 1</b>		<b>Thu 2-3:30, Sea Pearl Suite</b>
Oral	1852: Verification of RNN-Based Neural Agent-Environment Systems	Michael E. Akintunde, Andreea Kevochian, Alessio Lomuscio, Edoardo Provano
Oral	1946: A Generic Approach to Accelerating Belief Propagation Based Incomplete Algorithms for DCOPs via a Branch-and-Bound Technique	Ziyu Chen, Xingqiong Jiang, Yanchen Deng, Dingding Chen, Zhongshi He
Oral	2144: Fair Knapsack	Till Fluschnik, Piotr Skowron, Mervin Triphaus, Kai Wilker
Oral	2485: SepNE: Bringing Separability to Network Embedding	Ziyao Li, Liang Zhang, Guojie Song
Oral	4865: Probabilistic Alternating-Time Mu-Calculus	Fu Song, Yedi Zhang, Taolue Chen, Yu Tang, Zhiwu Xu
Poster	2036: Leveraging Observations in Bandits: Between Risks and Benefits	Andrei Lupu, Audrey Durand, Doina Precup
Poster	2545: Learning to Teach in Cooperative Multiagent Reinforcement Learning ( <i>AAAI-19 Outstanding Student Paper, Honorable Mention</i> )	Shayegan Omidshafiei, Dong-Ki Kim, Miao Liu, Gerald Tesauero, Matthew Riemer, Christopher Amato, Murray Campbell, Jonathan P. How
Poster	2772: Multi-Winner Contests for Strategic Diffusion in Social Networks	Wen Shen, Yang Feng, Cristina V. Lopes
Poster	3018: General Robustness Evaluation of Incentive Mechanism against Bounded Rationality Using Continuum-Armed Bandits	Zehong Hu, Jie Zhang, Zhao Li
Poster	3561: Message-Dropout: An Efficient Training Method for Multi-Agent Deep Reinforcement Learning	Woojun Kim, MyungSik Cho, Youngchul Sung
Poster	4963: Multi-Agent Discussion Mechanism for Natural Language Generation	Xu Li, Mingming Sun, Ping Li
Poster	7839: Overcoming Blind Spots in the Real World: Leveraging Complementary Abilities for Joint Execution	Ramya Ramakrishnan, Ece Kamar, Besmira Nushi, Debadepta Dey, Julie Shah, Eric Horvitz
<b>IAAI-19: Insurance and Finance</b>		<b>Thu 2-3:30, Nautilus Suite</b>
	IAAI97: Discovering Temporal Patterns from Insurance Interaction Data	Maleeha Qazi, Srinivas Tunuguntla, Peng Lee, Teja Kanchinadam, Glenn Fung, Neeraj Arora
	IAAI40: Transforming Underwriting in the Life Insurance Industry (Deployed)	Marc Maier, Hayley Carlotto, Freddie Sanchez, Sherriff Balogun, Sears Merritt
	IAAI95: Artificial Counselor System for Stock Investment	Hadi NekoeiQachkanloo, Benyamin Ghogh, Ali Saheb Pasand, Mark Crowley
	IAAI134: Large Scale Personalized Categorization of Financial Transactions (Deployed)	Christopher Lesner, Alexander Ran, Marko Rukonic, Wei Wang
<b>4:15 - 5:15pm</b>		
	<b>AAAI</b>	<b>Thu 4:15 - 5:15, Coral Ballroom</b>
	<b>AAAI-19 Invited Talk: New Results for Solving Imperfect-Information Games</b>	<b>Tuomas Sandholm</b>
<b>IAAI-19: Forecasting</b>		<b>Thu 4:15 - 5:15, Nautilus Suite</b>
	IAAI38: Amsterdam to Dublin Eventually Delayed? LSTM and Transfer Learning for Predicting Delays of Low Cost Airlines	Nicholas McCarthy, Mohammad Karzand, Freddy Lecue
	IAAI119: DEFSI: Deep Learning Based Epidemic Forecasting with Synthetic Information	Lijing Wang, Jiangzhuo Chen, Madhav Marathe
	IAAI131: Forecasting Intra-Hour Imbalances in Electric Power Systems	Tárik S. Salem, Karan Kathuria, Heri Ramampiaro, Helge Langseth
<b>5:15 - 6:15pm</b>		
	<b>AAAI</b>	<b>Thu 5:15-6:15, Coral Ballroom</b>
	<b>AAAI Community Meeting</b>	<b>Yolanda Gil</b>
<b>6:30 - 8:30pm</b>		
	<b>AAAI</b>	<b>Thu 6:30-8:30, Coral, South Pacific and Nautilus Lounges</b>
	<b>AAAI-19 Poster / Demo Session 3</b>	

**Friday, February 1**

**8:50 - 9:50am**

	<b>AAAI</b>	<b>Fri 8:50-9:50, Coral Ballroom</b>
	<b>AAAI-19 Invited Talk</b>	<b>Marta Gonzalez</b>

10:00 - 11:00am

	<b>Tech Session 1: Weakly Supervised Learning 2</b>	<b>Fri 10-11, Coral Ballroom 3-5</b>
Oral	1754: A Two-Stream Mutual Attention Network for Semi-Supervised Biomedical Segmentation with Noisy Labels	Shaobo Min, Xuejin Chen, Zheng-Jun Zha, Feng Wu, Yongdong Zhang
Oral	3529: Training Complex Models with Multi-Task Weak Supervision	Alexander Ratner, Braden Hancock, Jared Dunnmon, Frederic Sala, Shreyash Pandey, Christopher Re
Oral	5570: Transductive Bounds for the Multi-Class Majority Vote Classifier	Vasilii Feofanov, Emilie Devijver, Massih-Reza Amini
Oral	7688: Towards Automated Semi-Supervised Learning	Yufeng Li, Hai Wang, Tong Wei, Wei-Wei Tu
	<b>Tech Session 2: Machine Learning 4</b>	<b>Fri 10-11, Coral 1</b>
Oral	770: How Many Pairwise Preferences Do We Need to Rank a Graph Consistently?	Aadirupa Saha, Rakesh Shivanna, Chiranjib Bhattacharyya
Oral	3053: Learning Personalized Attribute Preference via Multi-Task AUC Optimization	Zhiyong Yang, Qianqian Xu, Xiaochun Cao, Qingming Huang
Oral	4277: Weighted Oblique Decision Trees	Bin-Bin Yang, Song-Qing Shen, Wei Gao
Oral	6621: Distributional Semantics Meets Multi-Label Learning	Vivek Gupta, Rahul Wadbude, Nagarajan Natarajan, Harish Karnick, Prateek Jain, Piyush Rai
	<b>Tech Session 3: Deep Learning 5</b>	<b>Fri 10-11, Coral 2</b>
Oral	333: Scalable Distributed DL Training: Batching Communication and Computation	Shaoqi Wang, Aidi Pi, Xiaobo Zhou
Oral	372: FRAME Revisited: An Interpretation View Based on Particle Evolution	Xu Cai, Yang Wu, Guanbin Li, Ziliang Chen, Liang Lin
Oral	4296: A Layer Decomposition-Recomposition Framework for Neuron Pruning towards Accurate Lightweight Networks	Weijie Chen, Yuan Zhang, Di Xie, Shiliang Pu
Oral	7259: Biologically Motivated Algorithms for Propagating Local Target Representations	Alexander G. Ororbia, Ankur Mali
	<b>Tech Session 4: AI for Social Impact 6</b>	<b>Fri 10-11, South Pacific 1</b>
Oral	5970: Crash to Not Crash: Learn to Identify Dangerous Vehicles Using a Simulator	Hoon Kim, Kangwook Lee, Gyeongjo Hwang, Changho Suh
Oral	6560: Zero Shot Learning for Code Education: Rubric Sampling with Deep Learning Inference ( <i>Special Track</i> ) ( <i>AAAI-19 Outstanding Student Paper Award</i> )	Mike Wu, Milan Mosse, Noah Goodman, Chris Piech
Oral	7397: A Model-Free Affective Reinforcement Learning Approach to Personalization of an Autonomous Social Robot Companion for Early Literacy Education ( <i>Special Track</i> )	Hae Won Park, Ishaan Grover, Samuel Spaulding, Louis Gomez, Cynthia Breazeal
Oral	7605: Axiomatic Characterization of Data-Driven Influence Measures for Classification	Jakub Sliwinski, Martin Strobel, Yair Zick
	<b>Tech Session 5: NLP (General) 7</b>	<b>Fri 10-11, South Pacific 2</b>
Oral	1384: Exploiting Coarse-to-Fine Task Transfer for Aspect-Level Sentiment Classification	Zheng Li, Ying Wei, Yu Zhang, Xiang Zhang, Xin Li
Oral	1924: Non-Autoregressive Neural Machine Translation with Enhanced Decoder Input	Junliang Guo, Xu Tan, Di He, Tao Qin, Linli Xu, Tie-Yan Liu
Oral	2024: Unsupervised Transfer Learning for Spoken Language Understanding in Intelligent Agents	Aditya Siddhant, Anuj Kumar Goyal, Angeliki Metallinou
Oral	7220: Predicting the Argumenthood of English Prepositional Phrases	Najoung Kim, Kyle Rawlins, Benjamin Van Durme, Paul Smolensky
	<b>Tech Session 6: Applications</b>	<b>Fri 10-11, South Pacific 3</b>
Oral	956: Cost-Sensitive Learning to Rank	Ryan McBride, Ke Wang, Zhouyang Ren, Wenyuan Li
Oral	1858: Understanding Learned Models by Identifying Important Features at the Right Resolution	Kyubin Lee, Akshay Sood, Mark Craven
Oral	2717: Deriving Subgoals Autonomously to Accelerate Learning in Sparse Reward Domains	Michael Dann, Fabio Zambetta, John Thangarajah
Oral	7092: GaitSet: Regarding Gait as a Set for Cross-View Gait Recognition	Hanqing Chao, Yiwei He, Junping Zhang, JianFeng Feng
	<b>Tech Session 7: Machine Learning 5</b>	<b>Fri 10-11, South Pacific 4</b>
Oral	702: Determinantal Reinforcement Learning	Takayuki Osogami, Rudy Raymond
Oral	1057: End-to-End Safe Reinforcement Learning through Barrier Functions for Safety-Critical Continuous Control Tasks	Richard Cheng, Gabor Orosz, Richard M. Murray, Joel W. Burdick
Oral	1506: Hypergraph Neural Networks	Yifan Feng, Haoxuan You, Zizhao Zhang, Rongrong Ji, Yue Gao
Oral	2874: Partial Multi-Label Learning via Credible Label Elicitation	Jun-Peng Fang, Min-Ling Zhang
	<b>Tech Session 8: Reinforcement Learning 2</b>	<b>Fri 10-11, Nautilus Suite</b>
Oral	2804: Diversity-Driven Extensible Hierarchical Reinforcement Learning	Yuhang Song, Jianyi Wang, Thomas Lukasiewicz, Zhenghua Xu, Mai Xu
Oral	3612: State Abstraction as Compression in Apprenticeship Learning	David Abel, Dilip Arumugam, Kavosh Asadi, Yuu Jinnai, Michael L. Littman, Lawson L.S. Wong
Oral	3665: Towards Better Interpretability in Deep Q-Networks	Raghuram Mandyam Annasamy, Katia Sycara

Oral	4342: On Reinforcement Learning for Full-Length Game of StarCraft	Zhen-Jia Pang, Ruo-Ze Liu, Zhou-Yu Meng, Yi Zhang, Yang Yu, Tong Lu
	<b>Tech Session 9: Robotics 1</b>	<b>Fri 10-11, Hibiscus Suite</b>
Oral	40: Deep Single-View 3D Object Reconstruction with Visual Hull Embedding	Hanqing Wang, Jiaolong Yang, Wei Liang, Xin Tong
Oral	1239: Mono3D++: Monocular 3D Vehicle Detection with Two-Scale 3D Hypotheses and Task Priors	Tong He, Stefano Soatto
Oral	1707: Densely Supervised Grasp Detector (DSGD)	Umar Asif, Jianbin Tang, Stefan Herrer
Oral	2186: Probabilistic Model Checking of Robots Deployed in Extreme Environments	Xingyu Zhao, Valentin Robu, David Flynn, Fateme Dinmohammadi, Michael Fisher, Matt Webster
	<b>Tech Session 10: Game Theory and Economic Paradigms 8</b>	<b>Fri 10-11, Kahili Suite</b>
Oral	4902: Random Walk Decay Centrality	Tomasz Was, Talal Rahwan, Oskar Skibski
Oral	5699: Solving Partially Observable Stochastic Games with Public Observations	Karel Horák, Branislav Bošanský
Oral	5713: Deception in Finitely Repeated Security Games	Thanh H. Nguyen, Yongzhao Wang, Arunesh Sinha, Michael P. Wellman
Oral	6066: A Bridge between Liquid and Social Welfare in Combinatorial Auctions with Submodular Bidders	Dimitris Fotakis, Kyriakos Lotidis, Chara Podimata
	<b>Tech Session 11: Game Theory and Economic Paradigms 9</b>	<b>Fri 10-11, Lehua</b>
Oral	6120: Practical Algorithms for Multi-Stage Voting Rules with Parallel Universes Tiebreaking	Jun Wang, Sujoy Sikdar, Tyler Shepherd, Zhibing Zhao, Chunheng Jiang, Lirong Xia
Oral	6136: Attacking Data Transforming Learners at Training Time	Scott Alfeld, Ara Vartanian, Lucas Newman-Johnson, Benjamin I. P. Rubinstein
Oral	6208: Generalized Distance Bribery	Dorothea Baumeister, Tobias Hogrebe, Lisa Rey
Oral	6541: Pareto Efficient Auctions with Interest Rates	Gagan Goel, Vahab Mirrokni, Renato Paes Leme
	<b>Tech Session 12: Multiagent Systems 2</b>	<b>Fri 10-11, Sea Pearl Suite</b>
Oral	2511: Evolution of Collective Fairness in Hybrid Populations of Humans and Agents	Fernando P. Santos, Jorge M. Pacheco, Ana Paiva, Francisco C. Santos
Oral	2998: An Abstraction-Based Method for Verifying Strategic Properties in Multi-Agent Systems with Imperfect Information	Francesco Belardinelli, Alessio Lomuscio, Vadim Malvone
Oral	3695: Theory of Minds: Understanding Behavior in Groups through Inverse Planning	Michael Shum, Max Kleiman-Weiner, Michael L. Littman, Joshua B. Tenenbaum
Oral	4416: Robust Multi-Agent Reinforcement Learning via Minimax Deep Deterministic Policy Gradient	Shihui Li, Yi Wu, Xinyue Cui, Honghua Dong, Fei Fang, Stuart Russell

**11:15am - 12:30pm**

	<b>Tech Session 1: Causal Learning</b>	<b>Fri 11:15am - 12:30, Coral Ballroom 3-5</b>
Oral	1744: Structural Causal Bandits with Non-Manipulable Variables	Sanghack Lee, Elias Bareinboim
Oral	3115: Granger-Causal Attentive Mixtures of Experts: Learning Important Features with Neural Networks	Patrick Schwab, Djordje Miladinovic, Walter Karlen
Oral	3543: SDRL: Interpretable and Data-Efficient Deep Reinforcement Learning Leveraging Symbolic Planning	Daoming Lyu, Fangkai Yang, Bo Liu, Steven Gustafson
Oral	4622: Counting and Sampling from Markov Equivalent DAGs Using Clique Trees	AmirEmad Ghassami, Saber Salehkaleybar, Negar Kiyavash, Kun Zhang
Oral	5491: Efficient Counterfactual Learning from Bandit Feedback	Yusuke Narita, Shota Yasui, Kohei Yata
	<b>Tech Session 2: Machine Learning 6</b>	<b>Fri 11:15am - 12:30, Coral 1</b>
Oral	2477: Number Sequence Prediction Problems for Evaluating Computational Powers of Neural Networks	Hyoungwook Nam, Segwang Kim, Kyomin Jung
Oral	4518: Learning Compact Model for Large-Scale Multi-Label Data	Tong Wei, Yu-Feng Li
Oral	5456: Using Benson's Algorithm for Regularization Parameter Tracking	Joachim Giesen, Sören Laue, Andreas Löhne, Christopher Schneider
Oral	6180: A Bandit Approach to Maximum Inner Product Search	Rui Liu, Tianyi Wu, Barzan Mozafari
Oral	6777: RobustSTL: A Robust Seasonal-Trend Decomposition Algorithm for Long Time Series	Qingsong Wen, Jingkun Gao, Xiaomin Song, Liang Sun, Huan Xu, Shenghuo Zhu
	<b>Tech Session 3: Knowledge Representation and Reasoning 6</b>	<b>Fri 11:15am - 12:30, Coral 2</b>
Oral	6221: Representing and Learning Grammars in Answer Set Programming	Mark Law, Alessandra Russo, Elisa Bertino, Krysia Broda, Jorge Lobo
Oral	6263: Iterated Belief Base Change: A Dynamic Epistemic Logic Approach	Marlo Souza, Alvaro Moreira, Renata Vieira
Oral	6461: Identification of Causal Effects in the Presence of Selection Bias	Juan D. Correa, Jin Tian, Elias Bareinboim
Oral	6531: Counting Complexity for Reasoning in Abstract Argumentation	Johannes K. Fichte, Markus Hecher, Arne Meier
Oral	7196: ATOMIC: An Atlas of Machine Commonsense for <i>If-Then</i> Reasoning	Maarten Sap, Ronan Le Bras, Emily Allaway, Chandra Bhagavatula, Nicholas Lourie, Hannah Rashkin, Brendan Roof, Noah A. Smith, Yejin Choi

	<b>Tech Session 4: AI for Social Impact 7</b>	<b>Fri 11:15am - 12:30, South Pacific 1</b>
Oral	305: Deep Recurrent Survival Analysis	Kan Ren, Jiarui Qin, Lei Zheng, Zhengyu Yang, Weinan Zhang, Lin Qiu, Yong Yu
Oral	750: Incorporating Behavioral Constraints in Online AI Systems	Avinash Balakrishnan, Djallel Bouneffouf, Nicholas Mattei, Francesca Rossi
Oral	3929: LabelForest: Non-Parametric Semi-Supervised Learning for Activity Recognition	Yuchao Ma, Hassan Ghasemzadeh
Oral	4267: DeepDPM: Dynamic Population Mapping via Deep Neural Network	Zefang Zong, Jie Feng, Kechun Liu, Hongzhi Shi, Yong Li
Oral	5298: Molecular Property Prediction: A Multilevel Quantum Interactions Modeling Perspective	Chengqiang Lu, Qi Liu, Chao Wang, Zhenya Huang, Peize Lin, Lixin He
	<b>Tech Session 5: NLP (General) 8</b>	<b>Fri 11:15am - 12:30, South Pacific 2</b>
Oral	4435: Learning to Write Stories with Thematic Consistency and Wording Novelty	Juntao Li, Lidong Bing, Lisong Qiu, Dongmin Chen, Dongyan Zhao, Rui Yan
Oral	5441: A Radical-Aware Attention-Based Model for Chinese Text Classification	Hanqing Tao, Shiwei Tong, Hongke Zhao, Tong Xu, Binbin Jin, Qi Liu
Oral	5925: Character-Level Language Modeling with Deeper Self-Attention	Rami Al-Rfou, Dokook Choe, Noah Constant, Mandy Guo, Llion Jones
Oral	6318: Latent Multi-Task Architecture Learning	Sebastian Ruder, Joachim Bingel, Isabelle Augenstein, Anders Søgaard
Oral	6432: Gradient-Based Inference for Networks with Output Constraints	Jay-Yoon Lee, Sanket Vaibhav Mehta, Michael Wick, Jean-Baptiste Tristan, Jaime Carbonell
	<b>Tech Session 6: Ensemble Methods</b>	<b>Fri 11:15am - 12:30, South Pacific 3</b>
Oral	2081: SVM-Based Deep Stacking Networks	Jingyuan Wang, Kai Feng, Junjie Wu
Oral	2399: CAFE: Adaptive VDI Workload Prediction with Multi-Grained Features	Yao Zhang, Wen-Ping Fan, Xuan Wu, Hua Chen, Bin-Yang Li, Min-Ling Zhang
Oral	2403: Optimization of Hierarchical Regression Model with Application to Optimizing Multi-Response Regression K-ary Trees	Pooya Tavallali, Peyman Tavallali, Mukesh Singhal
Oral	2508: Learning Anytime Predictions in Neural Networks via Adaptive Loss Balancing	Hanzhang Hu, Debadeepta Dey, Martial Hebert, J. Andrew Bagnell
Oral	6455: A New Ensemble Learning Framework for 3D Biomedical Image Segmentation	Hao Zheng, Yizhe Zhang, Lin Yang, Peixian Liang, Zhuo Zhao, Chaoli Wang, Danny Z. Chen
	<b>Tech Session 7: Machine Learning 7</b>	<b>Fri 11:15am - 12:30, South Pacific 4</b>
Oral	4041: Partial Label Learning via Label Enhancement	Ning Xu, Jiaqi Lv, Xin Geng
Oral	4176: $f$ -Similarity Preservation Loss for Soft Labels: A Demonstration on Cross-Corpus Speech Emotion Recognition	Biqiao Zhang, Yuqing Kong, Georg Essl, Emily Mower Provost
Oral	4365: Data-Distortion Guided Self-Distillation for Deep Neural Networks	Ting-Bing Xu, Cheng-Lin Liu
Oral	4528: Efficient Identification of Approximate Best Configuration of Training in Large Datasets	Silu Huang, Chi Wang, Bolin Ding, Surajit Chaudhuri
Oral	8021: Active Mini-Batch Sampling Using Repulsive Point Processes	Cheng Zhang, Cengiz Öztireli, Stephan Mandt, Giampiero Salvi
	<b>Tech Session 8: Reinforcement Learning 3</b>	<b>Fri 11:15am - 12:30, Nautilus Suite</b>
Oral	881: Fully Convolutional Network with Multi-Step Reinforcement Learning for Image Processing	Ryosuke Furuta, Naoto Inoue, Toshihiko Yamasaki
Oral	1802: Model-Free IRL Using Maximum Likelihood Estimation	Vinamra Jain, Prashant Doshi, Bikramjit Banerjee
Oral	2929: Self-Supervised Mixture-of-Experts by Uncertainty Estimation	Zhuobin Zheng, Chun Yuan, Xinrui Zhu, Zhihui Lin, Yangyang Cheng, Cheng Shi, Jiahui Ye
Oral	6845: Off-Policy Deep Reinforcement Learning by Bootstrapping the Covariate Shift	Carles Gelada, Marc G. Bellemare
Oral	8110: Model Learning for Look-Ahead Exploration in Continuous Control	Arpit Agarwal, Katharina Muelling, Katerina Fragkiadaki
	<b>Tech Session 9: Robotics 2</b>	<b>Fri 11:15am - 12:30, Hibiscus Suite</b>
Oral	3619: Depth Prediction without the Sensors: Leveraging Structure for Unsupervised Learning from Monocular Videos	Vincent Casser, Soeren Pirk, Reza Majhourian, Anelia Angelova
Oral	5438: Personalized Robot Tutoring Using the Assistive Tutor POMDP (AT-POMDP)	Aditi Ramachandran, Sarah Strohkorb Sebo, Brian Scassellati
Oral	5917: That's Mine! Learning Ownership Relations and Norms for Robots	Zong Xuan Tan, Jake Brawer, Brian Scassellati
Oral	7837: A Robust and Efficient Algorithm for the PnL Problem Using Algebraic Distance to Approximate the Reprojection Distance	Lipu Zhou, Yi Yang, Montiel Abello, Michael Kaess
Oral	7891: Deictic Image Mapping: An Abstraction for Learning Pose Invariant Manipulation Policies	Robert Platt, Colin Kohler, Marcus Gualtieri

	<b>Tech Session 10: Game Theory and Economic Paradigms 10</b>	<b>Fri 11:15am - 12:30, Kahili Suite</b>
Oral	143: Pareto Optimal Allocation under Compact Uncertain Preferences	Haris Aziz, Peter Biro, Ronald de Haan, Bahar Rastegari
Oral	620: Deep Bayesian Trust: A Dominant and Fair Incentive Mechanism for Crowd	Naman Goel, Boi Faltings
Oral	1799: Variance Reduction in Monte Carlo Counterfactual Regret Minimization (VR-MCCFR) for Extensive Games Using Baselines	Martin Schmid, Neil Burch, Marc Lanctot, Matej Moravcik, Rudolf Kadlec, Michael Bowling
Oral	3789: A PAC Framework for Aggregating Agents' Judgments	Hanrui Zhang, Vincent Conitzer
Oral	6663: Fast Iterative Combinatorial Auctions via Bayesian Learning	Gianluca Brero, Sebastien Lahaie, Sven Seuken
	<b>Tech Session 11: Reasoning under Uncertainty 3</b>	<b>Fri 11:15am - 12:30, Lehua</b>
Oral	4035: Compiling Bayesian Network Classifiers into Decision Graphs	Andy Shih, Arthur Choi, Adnan Darwiche
Oral	5082: Exact and Approximate Weighted Model Integration with Probability Density Functions Using Knowledge Compilation	Pedro Zuidberg Dos Martires, Anton Dries, Luc de Raedt
Oral	5765: Counting and Sampling Markov Equivalent Directed Acyclic Graphs	Topi Talvitie, Mikko Koivisto
Oral	5855: Collective Online Learning of Gaussian Processes in Massive Multi-Agent Systems	Trong Nghia Hoang, Quang Minh Hoang, Kian Hsiang Low, Jonathan How
Oral	6587: On Lifted Inference Using Neural Embeddings	Mohammad Maminur Islam, Somdeb Sarkhel, Deepak Venugopal
	<b>Tech Session 12: Multiagent Systems 3</b>	<b>Fri 11:15am - 12:30, Sea Pearl Suite</b>
Oral	1456: RSA: Byzantine-Robust Stochastic Aggregation Methods for Distributed Learning from Heterogeneous Datasets	Liping Li, Wei Xu, Tianyi Chen, Georgios B. Giannakis, Qing Ling
Oral	5118: A Memetic Approach for Sequential Security Games on a Plane with Moving Targets	Jan Karwowski, Jacek Mandziuk, Adam Żychowski, Filip Grajek, Bo An
Oral	6390: Consensus in Opinion Formation Processes in Fully Evolving Environments	Vincenzo Auletta, Angelo Fanelli, Diodato Ferraioli
Oral	6880: Distributed Community Detection via Metastability of the 2-Choices Dynamics	Emilio Cruciani, Emanuele Natale, Giacomo Scornavacca
Oral	7447: Multiagent Decision Making for Maritime Traffic Management	Arambam James Singh, Duc Thien Nguyen, Akshat Kumar, Hoong Chuin Lau