

AAAI-18/IAAI-18/EAAI-18 Technical Program

(The AAAI Workshop, Tutorial, and Doctoral Consortium Programs will be held Friday and Saturday, February 2-3.)

AAAI Oral Presentation
AAAI Poster Spotlight Presentation
AAAI
IAAI
EAAI

Saturday, February 3

9:00 - 9:10am		
	EAAI	Sat 9-9:10, Jefferson
	EAAI-18 Welcome	Eric Eaton and Michael Wollowski
9:10 - 10:00am		
	EAAI-18 Invited Talk	Sat 9:10-10:00, Jefferson
	Jill Watson, Family, and Friends: Experiments in Building Automated Teaching Assistants	Ashok Goel
10:00 - 10:20am		
	EAAI-18 Main Track	Sat 10:00-10:20, Jefferson
	Data Analysis Competition Platform for Educational Purposes: Lessons Learned and Future Challenges	Yukino Baba, Tomoumi Takase, Kyohei Atarashi, Satoshi Oyama, Hisashi Kashima
10:20am - 10:30pm		
	EAAI-18 Announcement	Sat 10:20-10:30, Jefferson
	EAAI-19 Birds of a Feather Undergraduate Research	Todd Neller
11:00am - 12:00pm		
	EAAI-18 Thematic Area: Teaching Neural Networks	Sat 11:00-12:00, Jefferson
	Model AI Assignment: Understanding How Recurrent Neural Networks Model Text	Michael Guerzhoy, Renjie Liao
	Model AI Assignment: Neural Networks for Face Recognition with TensorFlow	Michael Guerzhoy
	Lightning Talk: Introducing Machine Learning Concepts by Training a Neural Network to Recognize Hand Gestures	Alessandro Giusti, David Huber, Luca M. Gambardella
	Lightning Talk: Mighty Thymio for University-level Educational Robotics	Jérôme Guzzi, Alessandro Giusti, Gianni A. Di Caro, Luca Maria Gambardella
	Break-out session: Developing Neural Networks materials	
1:30 - 2:30pm		
	EAAI-18 Special Track: Model AI Assignments	Sat 1:30-2:30, Jefferson
	Solve a Maze via Search	Nate Derbinsky
	Biductive Computing: Several Variants of a Universal Paradigm	Joshua Eckroth
	Go for a Walk! Pedestrian-Friendly A* with Learned Cost Functions	Zack Butler
	Robot Juggling	Ariel Anders
2:30 - 3:30pm		
	EAAI-18 Special Track: AI for Education I	Sat 2:30-3:30, Jefferson
	Diagnosing University Student Subject Proficiency and Predicting Degree Completion in Vector Space	Yuetian Luo, Zachary A. Pardos
	Predictive Modeling of Learning Continuation in Preschool Education Using Temporal Patterns of Development Tests	Junpei Naito, Yukino Baba, Hisashi Kashima, Takenori Takaki, Takuya Funo
	Gesturing and Embodiment in Teaching: Investigating the Nonverbal Behavior of Teachers in a Virtual Rehearsal Environment	Roghayeh Barmaki, Charles Hughes
4:00 - 4:30pm		
	EAAI-18 Special Track: Best Practices	Sat 4:00-4:30, Jefferson
	On the Importance of a Research Data Archive	Benedict Wright, Oliver Brunner, Bernhard Nebel
	Break-out session	
4:30 - 4:50pm		
	EAAI-18 Announcements	Sat 4:30-4:50, Jefferson
	Lightning Talk: A Driving License for Intelligent Systems	Martin Kandhofer, Gerald Steinbauer
	Lightning Talk: Introducing AI to Undergraduate Students via Computer Vision Projects	Kaiman Zeng, Yancheng Li, Yida Xu, Di Wu, Nansong Wu
	Proposal for an Undergraduate Consortium at AAAI (10 minutes)	Nate Derbinsky, James Boerkoel
5:00 - 5:30pm		
	EAAI-18 New and Future AI Educator Briefs	Sat 5:00-5:30, Jefferson
6:00 - 7:30pm		
	AAAI	Sat 6-7:30, St. Charles Ballroom
	AAAI-18 Opening Reception	

Sunday, February 4**8:30 - 8:55am**

	AAAI	Sun 8:30-8:55, Grand Ballroom
	Welcome and Opening Remarks, AAAI Organizational Awards/Honors	

9:00 - 9:50am

	AAAI	Sun 9:00-9:50, Grand Ballroom
	AAAI-18 Presidential Address: Challenges of Human-Aware AI Systems	Subbarao Kambhampati

10:00 - 11:00am

	Tech Session 1: Planning and Scheduling (PS) (HSO)	Sun 10-11, St. James
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Oral	2207: Linear and Integer Programming-Based Heuristics for Cost-Optimal Numeric Planning	Chiara Piacentini, Margarita P. Castro, Andre A. Cire, J. Christopher Beck
Oral	1913: Semi-Black Box: Rapid Development of Planning Based Solutions	Michael Katz, Dany Moshkovich, Erez Karpas
Oral	1323: On the Relationship Between State-Dependent Action Costs and Conditional Effects in Planning	Robert Mattmüller, Florian Geißer, Benedict Wright, Bernhard Nebel
Poster	3401: Meta-Search Through the Space of Representations and Heuristics on a Problem by Problem Basis	Raquel Fuentetaja, Michael Barley, Daniel Borrajo, Jordan Douglas, Santiago Franco, Patricia Riddle
Poster	552: totSAT - Totally-Ordered Hierarchical Planning Through SAT	Gregor Behnke, Daniel Höller, Susanne Biundo
Poster	3858: Counting Linear Extensions in Practice: MCMC Versus Exponential Monte Carlo	Topi Talvitie, Kustaa Kangas, Teppo Niinimäki, Mikko Koivisto
Poster	2830: LTLf/LDLf Non-Markovian Rewards	Ronen I. Brafman, Giuseppe De Giacomo, Fabio Patrizi

Tech Session 2: Game Theory and Economics (GTEP)**Sun 10-11, Fulton**

Oral	2190: Truthful and Near-Optimal Mechanisms for Welfare Maximization in Multi-Winner Elections	Umang Bhaskar, Varsha Dani, Abheek Ghosh
Oral	997: Facility Location Games With Fractional Preferences	Chi Kit Ken Fong, Minming Li, Pinyan Lu, Taiki Todo, Makoto Yokoo
Oral	2902: Groupwise Maximin Fair Allocation of Indivisible Goods	Siddharth Barman, Arpita Biswas, Sanath Kumar Krishnamurthy, Yadati Narahari
Poster	1930: On Social Envy-Freeness in Multi-Unit Markets	Michele Flammini, Manuel Mauro, Matteo Tonelli
Poster	4458: Approximately Stable Matchings With Budget Constraints	Yasushi Kawase, Atsushi Iwasaki
Poster	2135: Cooperative Games With Bounded Dependency Degree	Ayumi Igarashi, Rani Izsak, Edith Elkind
Poster	30: Approximation-Variance Tradeoffs in Facility Location Games	Ariel D. Procaccia, David Wajc, Hanrui Zhang

Tech Session 3: Cognitive Systems (CS) (CM)**Sun 10-11, Magazine**

Oral	2856: Towards Building Large Scale Multimodal Domain-Aware Conversation Systems	Amrita Saha, Mitesh M. Khapra, Karthik Sankaranarayanan
Oral	2491: Thinking in PoLAR Pictures: Using Rotation-Friendly Mental Images to Solve Leiter-R Form Completion	Joshua H. Palmer, Maithilee Kunda
Oral	3009: Expected Utility with Relative Loss Reduction: A Unifying Decision Model for Resolving Four Well-Known Paradoxes	Wenjun Ma, Yuncheng Jiang, Weiru Liu, Xudong Luo, Kevin McAreavey
Poster	1975: HAN: Hierarchical Association Network for Computing Semantic Relatedness	Xiaolong Gong, Hao Xu, Linpeng Huang
Poster	3308: RUBER: An Unsupervised Method for Automatic Evaluation of Open-Domain Dialog Systems	Chongyang Tao, Lili Mou, Dongyan Zhao, Rui Yan
Poster	4073: Explicit Reasoning over End-to-End Neural Architectures for Visual Question Answering	Somak Aditya, Yezhou Yang, Chitta Baral
Poster	3667: Perceiving, Learning, and Recognizing 3D Objects: An Approach to Cognitive Service Robots	S. Hamidreza Kasaei, Juil Sock, Luis Seabra Lopes, Ana Maria Tome, Tae-Kyun Kim
Poster	2314: Action Recognition From Skeleton Data via Analogical Generalization Over Qualitative Representations	Kezhen Chen, Kenneth Forbus
Poster	1346: Event Representations for Automated Story Generation with Deep Neural Nets	Lara J. Martin, Prithviraj Ammanabrolu, Xinyu Wang, William Hancock, Shruti Singh, Brent Harrison, Mark O. Riedl
Poster	2202: Learning to Predict Readability Using Eye-Movement Data From Natives and Learners	Ana V. González-Garduño, Anders Søgaard

Tech Session 4: Computational Sustainability (CSAI) (MLA) (ML)**Sun 10-11, Commerce**

Oral	4377: Non-Parametric Outliers Detection in Multiple Time Series A Case Study: Power Grid Data Analysis	Yuxun Zhou, Han Zou, Reza Arghandeh, Weixi Gu, Costas J. Spanos
Oral	3774: Variational BOLT: Approximate Learning in Factorial Hidden Markov Models With Application to Energy Disaggregation	Henning Lange, Mario Berges
Oral	2481: GraphGAN: Graph Representation Learning With Generative Adversarial Nets	Hongwei Wang, Jia Wang, Jialin Wang, Miao Zhao, Weinan Zhang, Fuzheng Zhang, Xing Xie, Minyi Guo
Poster	2189: Model-Free Iterative Temporal Appliance Discovery for Unsupervised Electricity Disaggregation	Mark Valovage, Akshay Shekhawat, Maria Gini
Poster	3453: Maximum-Variance Total Variation Denoising for Interpretable Spatial Smoothing	Wesley Tansey, Jesse Thomason, James G. Scott
Poster	439: Group Sparse Bayesian Learning for Active Surveillance on Epidemic Dynamics	Hongbin Pei, Bo Yang, Jiming Liu, Lei Dong
Poster	3595: Predicting Links in Plant-Pollinator Interaction Networks Using Latent Factor Models With Implicit Feedback	Eugene Seo, Rebecca A. Hutchinson

Poster	2559: CSWA: Aggregation-Free Spatial-Temporal Community Sensing	Jiang Bian, Haoyi Xiong, Yanjie Fu, Sajal K. Das
Poster	753: DeepUrbanMomentum: An Online Deep-Learning System for Short-Term Urban Mobility Prediction	Renhe Jiang, Xuan Song, Zipei Fan, Tianqi Xia, Quanjun Chen, Satoshi Miyazawa, Ryosuke Shibasaki
Poster	1830: Sequence-to-Point Learning With Neural Networks for Non-Intrusive Load Monitoring	Chaoyun Zhang, Mingjun Zhong, Zongzuo Wang, Nigel Goddard, Charles Sutton
Tech Session 5: Vision (VIS) (MLA)		Sun 10-11, Canal
Oral	239: Dual-Reference Face Retrieval	BingZhang Hu, Feng Zheng, Ling Shao
Oral	161: Action Recognition With Coarse-to-Fine Deep Feature Integration and Asynchronous Fusion	Weiyao Lin, Chongyang Zhang, Ke Lu, Bin Sheng, Jianxin Wu, Bingbing Ni, Xin Liu, Hongkai Xiong
Oral	2362: Hierarchical LSTM for Sign Language Translation	Dan Guo, Wengang Zhou, Houqiang Li, Meng Wang
Poster	1877: A Deep Ranking Model for Spatio-Temporal Highlight Detection From a 360° Video	Youngjae Yu, Sangho Lee, Joonil Na, Jaeyun Kang, Gunhee Kim
Poster	769: Spatial Temporal Graph Convolutional Networks for Skeleton-Based Action Recognition	Sijie Yan, Yuanjun Xiong, Dahua Lin
Poster	2373: Unsupervised Deep Learning of Mid-Level Video Representation for Action Recognition	Jingyi Hou, Xinxiao Wu, Jin Chen, Jiebo Luo, Yunde Jia
Poster	1801: Region-Based Quality Estimation Network for Large-Scale Person Re-Identification	Guanglu Song, Biao Leng, Yu Liu, Congrui Hetang, Shaofan Cai
Poster	3235: Video-Based Person Re-Identification via Self Paced Weighting	Wenjun Huang, Chao Liang, Yi Yu, Zheng Wang, Weijian Ruan, Ruimin Hu
Poster	1646: T-C3D: Temporal Convolutional 3D Network for Real-Time Action Recognition	Kun Liu, Wu Liu, Chuang Gan, Mingkui Tan, Huadong Ma
Poster	302: Action Prediction From Videos via Memorizing Hard-to-Predict Samples	Yu Kong, Shangqian Gao, Bin Sun, Yun Fu
Tech Session 6: Language and Learning (NLPML) (NLPTM) (KRR) (NLPKR)		Sun 10-11, Royal
Oral	911: S-Net: From Answer Extraction to Answer Synthesis for Machine Reading Comprehension	Chuanqi Tan, Furu Wei, Nan Yang, Bowen Du, Weifeng Lv, Ming Zhou
Oral	1169: Machine-Translated Knowledge Transfer for Commonsense Causal Reasoning	Jinyoung Yeo, Geunyu Wang, Hyunsouk Cho, Seungtaek Choi, Seung-won Hwang
Oral	3619: Cross Temporal Recurrent Networks for Ranking Question Answer Pairs	Yi Tay, Luu Anh Tuan, Siu Cheung Hui
Poster	3195: Recognizing and Justifying Text Entailment Through Distributional Navigation on Definition Graphs	Vivian S. Silva, Siegfried Handschuh, André Freitas
Poster	691: Improved Text Matching by Enhancing Mutual Information	Yang Liu, Wenge Rong, Zhang Xiong
Poster	4206: SciTail: A Textual Entailment Dataset from Science Question Answering	Tushar Khot, Ashish Sabharwal, Peter Clark
Poster	2917: Semi-Distantly Supervised Neural Model for Generating Compact Answers to Open-Domain Why Questions	Ryo Ishida, Kentaro Torisawa, Jong-Hoon Oh, Ryu Iida, Canasai Kruengkrai, Julien Kloetzer
Poster	1228: R ³ : Reinforced Ranker-Reader for Open-Domain Question Answering	Shuohang Wang, Mo Yu, Xiaoxiao Guo, Zhiguo Wang, Tim Klinger, Wei Zhang, Shiyu Chang, Gerry Tesaro, Bowen Zhou, Jing Jiang
Poster	1037: Byte-Level Machine Reading Across Morphologically Varied Languages	Tom Kenter, Llion Jones, Daniel Hewlett
Poster	3809: SkipFlow: Incorporating Neural Coherence Features for End-to-End Automatic Text Scoring	Yi Tay, Minh C. Phan, Luu Anh Tuan, Siu Cheung Hui
Tech Session 7: Policy Learning (ML) (PS) (RU)		Sun 10-11, Camp
Oral	1701: Hierarchical Policy Search via Return-Weighted Density Estimation	Takayuki Osa, Masashi Sugiyama
Oral	4547: Learning Robust Options	Daniel J. Mankowitz, Timothy A. Mann, Pierre-Luc Bacon, Doina Precup, Shie Mannor
Oral	2086: Diverse Exploration for Fast and Safe Policy Improvement	Andrew Cohen, Lei Yu, Robert Wright
Poster	391: Reinforcement Learning in POMDPs With Memoryless Options and Option-Observation Initiation Sets	Denis Steckelmacher, Diederik M. Roijers, Anna Harutyunyan, Peter Vrancx, H�el�ene Plisnier, Ann Now�e
Poster	3149: Safe Reinforcement Learning via Shielding	Mohammed Alshiekh, Roderick Bloem, R�udiger Ehlers, Bettina K�onighofer, Scott Niekum, Ufuk Topcu
IAAI-18: Imagery in Action		Sun 10-11, Jackson
	Deep Mars: CNN Classification of Mars Imagery for the PDS Imaging Atlas	Kiri L. Wagstaff, You Lu, Alice Stanboli, Kevin Grimes, Thamme Gowda, Jordan Padams
	Is a Picture Worth a Thousand Words? A Deep Multi-Modal Architecture for Product Classification in E-Commerce	Tom Zahavy, Abhinandan Krishnan, Alessandro Magnani, Shie Mannor
	Multi-Task Deep Learning for Predicting Poverty From Satellite Images	Shailesh M. Pandey, Tushar Agarwal, Narayanan C. Krishnan
	Learning to Become an Expert: Deep Networks Applied to Super-Resolution Microscopy	Louis-�mile Robitaille, Audrey Durand, Marc-Andr�e Gardner, Christian Gagn�e, Paul De Koninck, Flavie Lavoie-Cardinal
EAAI-18 Thematic Area: Teaching Ethics		Sun 10-11, Jefferson
	Introducing Ethical Thinking about Autonomous Vehicles into an AI Course	Heidi Furey, Fred Martin
	Model AI Assignment: A Module on Ethical Thinking about Autonomous Vehicles in an AI Course	Heidi Furey, Fred Martin

	Lightning Talk: Addressing the Technical, Philosophical, and Ethical Issues of Artificial Intelligence through Active Learning Class Assignments	Pamela K. Fink
	Break-out session: Developing Ethics Materials	
11:30am - 12:30pm		
	Tech Session 1: Knowledge Representation and Reasoning (KRR)	Sun 11:30-12:30, St. James
Oral	1224: Combining Rules and Ontologies into Clopen Knowledge Bases	Labinot Bajraktari, Magdalena Ortiz, Mantas Šimkus
Oral	4367: Forgetting and Unfolding for Existential Rules	Zhe Wang, Kewen Wang, Xiaowang Zhang
Oral	2844: Answering Regular Path Queries over SQ Ontologies	Víctor Gutiérrez-Basulto, Yazmín Ibáñez-García, Jean Christoph Jung
Poster	3431: Repairing Ontologies via Axiom Weakening	Nicolas Troquard, Roberto Confalonieri, Pietro Galliani, Rafael Peñaloza, Daniele Porello, Oliver Kutz
Poster	3172: A Framework and Positive Results for IAR-answering	Despoina Trivela, Giorgos Stoilos, Vasilis Vassalos
Poster	2687: Embedding of Hierarchically Typed Knowledge Bases	Richong Zhang, Fanshuang Kong, Chenyue Wang, Yongyi Mao
	Tech Session 2: Language and Learning (NLPTM) (NLPML) (NLPKR)	Sun 11:30-12:30, Fulton
Oral	1695: Jointly Extracting Event Triggers and Arguments by Dependency-Bridge RNN and Tensor-Based Argument Interaction	Lei Sha, Feng Qian, Baobao Chang, Zhifang Sui
Oral	1040: Large Scaled Relation Extraction With Reinforcement Learning	Xiangrong Zeng, Shizhu He, Kang Liu, Jun Zhao
Oral	3750: Event Representations With Tensor-Based Compositions	Noah Weber, Niranjana Balasubramanian, Nathanael Chambers
Poster	2356: SEE: Syntax-Aware Entity Embedding for Neural Relation Extraction	Zhengqiu He, Wenliang Chen, Zhenghua Li, Meishan Zhang, Wei Zhang, Min Zhang
Poster	1303: Reinforcement Learning for Relation Classification From Noisy Data	Jun Feng, Minlie Huang, Li Zhao, Yang Yang, Xiaoyan Zhu
Poster	130: Neural Cross-Lingual Entity Linking	Avirup Sil, Gourab Kundu, Radu Florian, Wael Hamza
Poster	4255: Weakly Supervised Induction of Affective Events by Optimizing Semantic Consistency	Haibo Ding, Ellen Riloff
Poster	365: OType: A Neural Architecture for Open Named Entity Typing	Zheng Yuan, Doug Downey
Poster	4273: Scale Up Event Extraction Learning via Automatic Training Data Generation	Ying Zeng, Yansong Feng, Rong Ma, Zheng Wang, Rui Yan, Chongde Shi, Dongyan Zhao
Poster	3342: Task-Specific Representation Learning for Web-Scale Entity Disambiguation	Rijula Kar, Susmija Reddy, Sourangshu Bhattacharya, Anirban Dasgupta, Soumen Chakrabarti
	Tech Session 3: Classic Paper Award Talk	Sun 11:30-12:00, Newberry/Ascot
	PROMPT: Algorithm and Tool for Automated Ontology Merging and Alignment	Natasha Noy and Mark Musen
	Tech Session 4: Cognitive Systems (CS) (VIS) (MLA) (ML) (CM)	Sun 11:30-12:30, Magazine
Oral	730: FiLM: Visual Reasoning with a General Conditioning Layer	Ethan Perez, Florian Strub, Harm de Vries, Vincent Dumoulin, Aaron Courville
Oral	744: Lateral Inhibition-Inspired Convolutional Neural Network for Visual Attention and Saliency Detection	Chunshui Cao, Yongzhen Huang, Zilei Wang, Liang Wang, Ninglong Xu, Tieniu Tan
Oral	327: Deep Low-Resolution Person Re-Identification	Jiening Jiao, Wei-Shi Zheng, Ancong Wu, Xiatian Zhu, Shaogang Gong
Poster	4565: Dress Fashionably: Learn Fashion Collocation With Deep Mixed-Category Metric Learning	Long Chen, Yuhang He
Poster	541: Hierarchical Discriminative Learning for Visible Thermal Person Re-Identification	Mang Ye, Xiangyuan Lan, Jiawei Li, Pong C. Yuen
Poster	2463: Adversarial Discriminative Heterogeneous Face Recognition	Lingxiao Song, Man Zhang, Xiang Wu, Ran He
Poster	22: Interpreting CNN Knowledge via an Explanatory Graph	Quanshi Zhang, Ruiming Cao, Feng Shi, Ying Nian Wu, Song-Chun Zhu
Poster	1840: Fully Convolutional Network Based Skeletonization for Handwritten Chinese Characters	Tie-Qiang Wang, Cheng-Lin Liu
Poster	3739: DLPaper2Code: Auto-Generation of Code From Deep Learning Research Papers	Akshay Sethi, Anush Sankaran, Naveen Panwar, Shreya Khare, Senthil Mani
Poster	1813: Modeling Attention and Memory for Auditory Selection in a Cocktail Party Environment	Jiaming Xu, Jing Shi, Guangcan Liu, Xiuyi Chen, Bo Xu
Poster	420: A Plasticity-Centric Approach to Train the Non-Differential Spiking Neural Networks	Tielin Zhang, Yi Zeng, Dongcheng Zhao, Mengting Shi
	Tech Session 5: Computational Sustainability (CSAI) (APP) (GTEP) (HCC) (ML) (PS)	Sun 11:30-12:30, Commerce
Oral	455: Balancing Lexicographic Fairness and a Utilitarian Objective With Application to Kidney Exchange	Duncan C. McElfresh, John P. Dickerson
Oral	4020: Efficiently Approximating the Pareto Frontier: Hydropower Dam Placement in the Amazon Basin	Xiaojian Wu, Jonathan Gomes-Selman, Qinru Shi, Yexiang Xue, Roosevelt Garcia-Villacorta, Elizabeth Anderson, Suresh Sethi, Scott Steinschneider, Alexander Flecker, Carla Gomes
Oral	3384: DyETC: Dynamic Electronic Toll Collection for Traffic Congestion Alleviation	Haipeng Chen, Bo An, Guni Sharon, Josiah P. Hanna, Peter Stone, Chunyan Miao, Yeng Chai Soh
Poster	187: Transferring Decomposed Tensors for Scalable Energy Breakdown Across Regions	Nipun Batra, Yiling Jia, Hongning Wang, Kamin Whitehouse
Poster	4064: Information Gathering With Peers: Submodular Optimization With Peer-Prediction Constraints	Goran Radanovic, Adish Singla, Andreas Krause, Boi Faltings
Poster	1992: Algorithms for Trip-Vehicle Assignment in Ride-Sharing	Xiaohui Bei, Shengyu Zhang

Poster	3863: Dispatch Guided Allocation Optimization for Effective Emergency Response	Supriyo Ghosh, Pradeep Varakantham
Poster	1552: Resource-Constrained Scheduling for Maritime Traffic Management	Lucas Agussurja, Akshat Kumar, Hoong Chuin Lau
Poster	4194: Computation Error Analysis of Block Floating Point Arithmetic Oriented Convolution Neural Network Accelerator Design	Zhourui Song, Zhenyu Liu, Dongsheng Wang
Poster	1246: Decoupled Convolutions for CNNs	Guotian Xie, Ting Zhang, Kuiyuan Yang, Jianhuang Lai, Jingdong Wang
Poster	1909: A Neural Attention Model for Urban Air Quality Inference: Learning the Weights of Monitoring Stations	Weiyu Cheng, Yanyan Shen, Yanmin Zhu, Linpeng Huang
Tech Session 6: Vision and Video Retrieval (VIS) (ML) (APP)		Sun 11:30-12:30, Canal
Oral	2311: Extreme Low Resolution Activity Recognition With Multi-Siamese Embedding Learning	Michael S. Ryoo, Kiyoon Kim, Hyun Jong Yang
Oral	3186: Less-Forgetful Learning for Domain Expansion in Deep Neural Networks	Heechul Jung, Jeongwoo Ju, Minju Jung, Junmo Kim
Oral	529: Distributed Composite Quantization	Weixiang Hong, Jingjing Meng, Junsong Yuan
Poster	3003: Product Quantized Translation for Fast Nearest Neighbor Search	Yoonho Hwang, Mooyeol Baek, Saehoon Kim, Bohyung Han, Hee-Kap Ahn
Poster	1121: Asymmetric Deep Supervised Hashing	Qing-Yuan Jiang, Wu-Jun Li
Poster	2492: Temporal-Enhanced Convolutional Network for Person Re-Identification	Yang Wu, Jie Qiu, Jun Takamatsu, Tsukasa Ogasawara
Poster	225: Unsupervised Part-Based Weighting Aggregation of Deep Convolutional Features for Image Retrieval	Jian Xu, Cunzhao Shi, Chengzuo Qi, Chunheng Wang, Baihua Xiao
Poster	3478: A Deep Cascade Network for Unaligned Face Attribute Classification	Hui Ding, Hao Zhou, Shaohua Kevin Zhou, Rama Chellappa
Poster	127: Asymmetric Joint Learning for Heterogeneous Face Recognition	Bing Cao, Nannan Wang, Xinbo Gao, Jie Li
Poster	958: Supervised Deep Hashing for Hierarchical Labeled Data	Dan Wang, Heyan Huang, Chi Lu, Bo-Si Feng, Guihua Wen, Liqiang Nie, Xian-Ling Mao
Tech Session 7: Machine Learning Applications (MLA) (APP)		Sun, 11:30-12:30, Royal
Oral	4051: Learning the Probability of Activation in the Presence of Latent Spreaders	Maggie Makar, John Guttag, Jenna Wiens
Oral	987: Nonlocal Patch Based t-SVD for Image Inpainting: Algorithm and Error Analysis	Liangchen Song, Bo Du, Lefei Zhang, Liangpei Zhang, Jia Wu, Xuelong Li
Oral	3792: AJILE Movement Prediction: Multimodal Deep Learning for Natural Human Neural Recordings and Video	Nancy X. R. Wang, Ali Farhadi, Rajesh P. N. Rao, Bingni W. Brunton
Poster	3591: Deep-Treat: Learning Optimal Personalized Treatments From Observational Data Using Neural Networks	Onur Atan, James Jordon, Mihaela van der Schaar
Poster	2487: Compressed Sensing MRI Using a Recursive Dilated Network	Liyan Sun, Zhiwen Fan, Yue Huang, Xinghao Ding, John Paisley
Poster	285: Multi-View Multi-Graph Embedding for Brain Network Clustering Analysis	Ye Liu, Lifang He, Bokai Cao, Philip S. Yu, Ann B. Ragin, Alex D. Leow
Poster	1458: Parameter-Free Centralized Multi-Task Learning for Characterizing Developmental Sex Differences in Resting State Functional Connectivity	Xiaofeng Zhu, Hongming Li, Yong Fan
Poster	3318: Learning Differences Between Visual Scanning Patterns Can Disambiguate Bipolar and Unipolar Patients	Jonathan Chung, Moshe Eizenman, Uros Rakita, Roger McIntyre, Peter Giacobbe
Poster	4281: Semi-Supervised Biomedical Translation With Cycle Wasserstein Regression GANs	Matthew B. A. McDermott, Tom Yan, Tristan Naumann, Nathan Hunt, Harini Suresh, Peter Szolovits, Marzyeh Ghassemi
Poster	1958: Multimodal Poisson Gamma Belief Network	Chaojie Wang, Bo Chen, Mingyuan Zhou
Poster	3943: Mitigating Overexposure in Viral Marketing	Rediet Abebe, Lada A. Adamic, Jon Kleinberg
Tech Session 8: Reinforcement Learning (ML) (PS) (RU)		Sun 11:30-12:30, Camp
Oral	3969: Efficient Probabilistic Performance Bounds for Inverse Reinforcement Learning	Daniel S. Brown, Scott Niekum
Oral	2143: Belief Reward Shaping in Reinforcement Learning	Ofir Marom, Benjamin Rosman
Oral	3233: Learning With Options That Terminate Off-Policy	Anna Harutyunyan, Peter Vrancx, Pierre-Luc Bacon, Doina Precup, Ann Nowé
Poster	2032: PAC Reinforcement Learning With an Imperfect Model	Nan Jiang
Poster	3242: Alternating Optimisation and Quadrature for Robust Control	Supratik Paul, Konstantinos Chatzilygeroudis, Kamil Ciosek, Jean-Baptiste Mouret, Michael A. Osborne, Shimon Whiteson
Poster	3721: An Experimental Study of Advice in Sequential Decision-Making Under Uncertainty	Florian Benavent, Bruno Zanuttini
Poster	1416: A Change-Detection Based Framework for Piecewise-Stationary Multi-Armed Bandit Problem	Fang Liu, Joohyun Lee, Ness Shroff
IAAI-18: Focus on and Support of the Customer		Sun 11:30-12:30, Jackson
	Hi, How Can I Help You?: Automating Enterprise IT Support Help Desks (Deployed)	Senthil Mani, Neelamadhav Gantayat, Rahul Aralikatte, Monika Gupta, Sampath Dechu, Anush Sankaran, Shreya Khare, Barry Mitchell, Hemamalini Subramanian, Hema Venkatarangan
	CRM Sales Prediction Using Continuous Time-Evolving Classification	Mohamoud Ali, Yugyung Lee
	VoC-DL: Revisiting Voice Of Customer Using Deep Learning	Susheel Suresh, Guru Rajan T S, Vipin Gopinath
EAAI-18 Special Track: AI for Education II		Sun 11:30-12:30, Jefferson
	An e-Learning Recommender that Helps Learners Find the Right Materials	Blessing Mbipom, Stewart Massie, Susan Crow

	Dropout Model Evaluation in MOOCs	Joshua Gardner, Christopher Brooks
	Investigating Active Learning for Concept Prerequisite Learning	Chen Liang, Jianbo Ye, Shuting Wang, Bart Pursel, C. Lee Giles
2:00 - 3:30pm		
	Tech Session 1: Search and Constraint Satisfaction (SCS) (HSO)	Sun 2-3:30, St. James
Oral	964: Exact Clustering via Integer Programming and Maximum Satisfiability	Atsushi Miyauchi, Tomohiro Sonobe, Noriyoshi Sukegawa
Oral	2929: A Recursive Scenario Decomposition Algorithm for Combinatorial Multistage Stochastic Optimisation Problems	David Hemmi, Guido Tack, Mark Wallace
Oral	3028: Exact MAP-Inference by Confining Combinatorial Search With LP Relaxation	Stefan Haller, Paul Swoboda, Bogdan Savchynskyy
Oral	2101: Parallel Algorithms for Operations on Multi-Valued Decision Diagrams	Guillaume Perez, Jean-Charles Régin
Oral	1010: Warmstarting of Model-Based Algorithm Configuration	Marius Lindauer, Frank Hutter
Poster	2825: Learning Robust Search Strategies Using a Bandit-Based Approach	Wei Xia, Roland H. C. Yap
Poster	3269: Enhancing Constraint-Based Multi-Objective Combinatorial Optimization	Miguel Terra-Neves, Inês Lynce, Vasco Manquinho
Poster	1259: Sweep-Based Propagation for String Constraint Solving	Roberto Amadini, Graeme Gange, Peter J. Stuckey
Poster	2124: Community-Based Trip Sharing for Urban Commuting	Mohd. Hafiz Hasan, Pascal Van Hentenryck, Ceren Budak, Jiayu Chen, Chhavi Chaudhry
Poster	4611: On Cryptographic Attacks Using Backdoors for SAT	Alexander Semenov, Oleg Zaikin, Ilya Otpuschennikov, Stepan Kochemazov, Alexey Ignatiev
Poster	3546: Verifying Properties of Binarized Deep Neural Networks	Nina Narodytska, Shiva Kasiviswanathan, Leonid Ryzhyk, Mooly Sagiv, Toby Walsh
Poster	26: A SAT+CAS Method for Enumerating Williamson Matrices of Even Order	Curtis Bright, Ilias Kotsireas, Vijay Ganesh
	Tech Session 2: Game Theory and Economic Paradigms (GTEP) (MAS)	Sun 2-3:30, Fulton
Oral	88: Rank Maximal Equal Contribution: A Probabilistic Social Choice Function	Haris Aziz, Pang Luo, Christine Rizkallah
Oral	3239: Multiwinner Elections With Diversity Constraints	Robert Bredereck, Piotr Faliszewski, Ayumi Igarashi, Martin Lackner, Piotr Skowron
Oral	2954: Approximating Bribery in Scoring Rules	Orgad Keller, Avinatan Hassidim, Noam Hazon
Oral	2977: On Recognising Nearly Single-Crossing Preferences	Florian Jaeckle, Dominik Peters, Edith Elkind
Oral	4409: On the Distortion of Voting With Multiple Representative Candidates	Yu Cheng, Shaddin Dughmi, David Kempe
Poster	542: Committee Selection with Intraclass and Interclass Synergies	Rani Izsak, Nimrod Talmon, Gerhard J. Woeginger
Poster	558: Manipulative Elicitation---A New Attack on Elections With Incomplete Preferences	Palash Dey
Poster	1750: Effective Heuristics for Committee Scoring Rules	Piotr Faliszewski, Martin Lackner, Dominik Peters, Nimrod Talmon
Poster	71: Strategic Coalitions With Perfect Recall	Pavel Naumov, Jia Tao
	Tech Session 3: Vision (VIS)	Sun 2-3:30, Newberry/Ascot
Oral	2065: A Cascaded Inception of Inception Network With Attention Modulated Feature Fusion for Human Pose Estimation	Wentao Liu, Jie Chen, Cheng Li, Chen Qian, Xiao Chu, Xiaolin Hu
Oral	425: Graph Correspondence Transfer for Person Re-Identification	Qin Zhou, Heng Fan, Shibao Zheng, Hang Su, Xinzhe Li, Shuang Wu, Haibin Ling
Oral	2845: Multispectral Transfer Network: Unsupervised Depth Estimation for All-Day Vision	Namil Kim, Yukyung Choi, Soonmin Hwang, In So Kweon
Oral	3491: Semi-Supervised Bayesian Attribute Learning for Person Re-Identification	Wenhe Liu, Xiaojun Chang, Ling Chen, Yi Yang
Oral	890: End-to-End United Video Dehazing and Detection	Boyi Li, Xiulian Peng, Zhangyang Wang, Jizheng Xu, Dan Feng
Poster	1732: Mix-and-Match Tuning for Self-Supervised Semantic Segmentation	Xiaohang Zhan, Ziwei Liu, Ping Luo, Xiaoou Tang, Chen Change Loy
Poster	1802: Multi-Channel Pyramid Person Matching Network for Person Re-Identification	Chaojie Mao, Yingming Li, Yaqing Zhang, Zhongfei Zhang, Xi Li
Poster	2726: Multi-Scale Face Restoration With Sequential Gating Ensemble Network	Jianxin Lin, Tiankuang Zhou, Zhibo Chen
Poster	1335: SEE: Towards Semi-Supervised End-to-End Scene Text Recognition	Christian Bartz, Haojin Yang, Christoph Meinel
Poster	1221: Learning Binary Residual Representations for Domain-Specific Video Streaming	Yi-Hsuan Tsai, Ming-Yu Liu, Deqing Sun, Ming-Hsuan Yang, Jan Kautz
Poster	1954: Learning Adversarial 3D Model Generation With 2D Image Enhancer	Jing Zhu, Jin Xie, Yi Fang
Poster	1184: Multi-Scale Bidirectional FCN for Object Skeleton Extraction	Fan Yang, Xin Li, Hong Cheng, Yuxiao Guo, Leiting Chen, Jianping Li
	Tech Session 4: Cognitive Systems (CS) (ML) (AIW) (HAC) (MLA) (NLPKR) (NLPML) (VIS)	Sun 2-3:30, Magazine
Oral	1367: Learning Combinatory Categorical Grammars for Plan Recognition	Christopher W. Geib, Pavan Kantharaju
Oral	2228: Glass-Box Program Synthesis: A Machine Learning Approach	Konstantina Christakopoulou, Adam Tauman Kalai
Oral	3634: Emergence of Grounded Compositional Language in Multi-Agent Populations	Igor Mordatch, Pieter Abbeel

Oral	2259: Learning From Unannotated QA Pairs to Analogically Disambiguate and Answer Questions	Maxwell Crouse, Clifton McFate, Kenneth Forbus
Oral	2900: Complex Sequential Question Answering: Towards Learning to Converse Over Linked Question Answer Pairs with a Knowledge Graph	Amrita Saha, Vardaan Pahuja, Mitesh M. Khapra, Karthik Sankaranarayanan, Sarath Chandar
Poster	4135: Style Transfer in Text: Exploration and Evaluation	Zhenxin Fu, Xiaoye Tan, Nanyun Peng, Dongyan Zhao, Rui Yan
Poster	3934: Early Syntactic Bootstrapping in an Incremental Memory-Limited Word Learner	Sepideh Sadeghi, Matthias Scheutz
Poster	3480: Discovering and Distinguishing Multiple Visual Senses for Polysemous Words	Yazhou Yao, Jian Zhang, Fumin Shen, Wankou Yang, Pu Huang, Zhenmin Tang
Poster	3906: Few Shot Transfer Learning Between Word Relatedness and Similarity Tasks Using A Gated Recurrent Siamese Network	James O' Neill, Paul Buitelaar
Poster	886: Active Lifelong Learning With "Watchdog"	Gan Sun, Yang Cong, Xiaowei Xu
Poster	3562: Generating Music Medleys via Playing Music Puzzle Games	Yu-Siang Huang, Szu-Yu Chou, Yi-Hsuan Yang
Poster	1398: Robust Collaborative Discriminative Learning for RGB-Infrared Tracking	Xiangyuan Lan, Mang Ye, Shengping Zhang, Pong C. Yuen
	Tech Session 5: Computational Sustainability (CSAI) (ML) (PS) (APP) (GTEP)	Sun 2-3:30, Commerce
Oral	2317: Cellular Network Traffic Scheduling With Deep Reinforcement Learning	Sandeep Chinchali, Pan Hu, Tianshu Chu, Manu Sharma, Manu Bansal, Rakesh Misra, Marco Pavone, Sachin Katti
Oral	75: Preventing Infectious Disease in Dynamic Populations Under Uncertainty	Bryan Wilder, Sze-Chuan Suen, Milind Tambe
Oral	4123: Scalable Relaxations of Sparse Packing Constraints: Optimal Biocontrol in Predator-Prey Networks	Johan Bjorck, Yiwei Bai, Xiaojian Wu, Yexiang Xue, Mark Whitmore, Carla Gomes
Oral	12: A Recursive Algorithm to Generate Balanced Weekend Tournaments	Richard Hoshino
Oral	706: Load Scheduling of Simple Temporal Networks Under Dynamic Resource Pricing	T. K. Satish Kumar, Zhi Wang, Anoop Kumar, Craig Milo Rogers, Craig A. Knoblock
Poster	2682: Traffic Optimization for a Mixture of Self-Interested and Compliant Agents	Guni Sharon, Michael Albert, Tarun Rambha, Stephen Boyles, Peter Stone
Poster	338: Kernel Cross-Correlator	Chen Wang, Le Zhang, Lihua Xie, Junsong Yuan
Poster	1988: A Poisson Gamma Probabilistic Model for Latent Node-Group Memberships in Dynamic Networks	Sikun Yang, Heinz Koepl
Poster	3927: Multi-Entity Dependence Learning With Rich Context via Conditional Variational Auto-Encoder	Luming Tang, Yexiang Xue, Di Chen, Carla P. Gomes
Poster	3397: Catching Captain Jack: Efficient Time and Space Dependent Patrols to Combat Oil-Siphoning in International Waters	Xinrun Wang, Bo An, Martin Strobel, Fookwai Kong
	Tech Session 6: Machine Learning (ML) (GTEP) (MLA) (NLPML)	Sun 2-3:30, Canal
Oral	1592: Dual Set Multi-Label Learning	Chong Liu, Peng Zhao, Sheng-Jun Huang, Yuan Jiang, Zhi-Hua Zhou
Oral	2678: It Takes (Only) Two: Adversarial Generator-Encoder Networks	Dmitry Ulyanov, Andrea Vedaldi, Victor Lempitsky
Oral	3005: On Trivial Solution and High Correlation Problems in Deep Supervised Hashing	Yuchen Guo, Xin Zhao, Guiguang Ding, Jungong Han
Oral	1341: EMD Metric Learning	Zizhao Zhang, Yubo Zhang, Xibin Zhao, Yue Gao
Oral	2618: Search Engine Guided Neural Machine Translation	Jiatao Gu, Yong Wang, Kyunghyun Cho, Victor O.K. Li
Poster	2020: Boosted Generative Models	Aditya Grover, Stefano Ermon
Poster	2476: Reliable Multi-View Clustering	Hong Tao, Chenping Hou, Xinwang Liu, Tongliang Liu, Dongyun Yi, Jubo Zhu
Poster	3880: Direct Hashing without Pseudo-Labels	Feng Zheng, Heng Huang
Poster	3156: Optimal Margin Distribution Clustering	Teng Zhang, Zhi-Hua Zhou
Poster	2354: Clustering Small Samples with Quality Guarantees: Adaptivity With One2all PPS	Edith Cohen, Shiri Chechik, Haim Kaplan
Poster	269: High Rank Matrix Completion with Side Information	Yugang Wang, Ehsan Elhamifar
Poster	3248: Word Co-Occurrence Regularized Non-Negative Matrix Tri-Factorization for Text Data Co-Clustering	Aghiles Salah, Melissa Ailem, Mohamed Nadif
	Tech Session 7: Language and Learning (NLPML) (NLPTM)	Sun 2-3:30, Royal
Oral	4247: Learning Latent Opinions for Aspect-level Sentiment Classification	Bailin Wang, Wei Lu
Oral	93: Learning to Compose Task-Specific Tree Structures	Jihun Choi, Kang Min Yoo, Sang-goo Lee
Oral	2511: Deconvolutional Latent-Variable Model for Text Sequence Matching	Dinghan Shen, Yizhe Zhang, Ricardo Henao, Qinliang Su, Lawrence Carin
Oral	2024: Learning to Extract Coherent Summary via Deep Reinforcement Learning	Yuxiang Wu, Baotian Hu
Oral	2085: Source-Target Inference Models for Spatial Instruction Understanding	Hao Tan, Mohit Bansal
Poster	3053: Learning to Attend via Word-Aspect Associative Fusion for Aspect-Based Sentiment Analysis	Yi Tay, Luu Anh Tuan, Siu Cheung Hui
Poster	2089: Slim Embedding Layers for Recurrent Neural Language Models	Zhongliang Li, Raymond Kulhanek, Shaojun Wang, Yunxin Zhao, Shuang Wu
Poster	4017: Improving Language Modelling with Noise Contrastive Estimation	Farhana Ferdousi Liza, Marek Grzes

Poster	2998: Adaptive Co-attention Network for Named Entity Recognition in Tweets	Qi Zhang, Jinlan Fu, Xiaoyu Liu, Xuanjing Huang
Poster	3859: Controlling Global Statistics in Recurrent Neural Network Text Generation	Thanapon Noraset, David Demeter, Doug Downey
Poster	3515: Empower Sequence Labeling with Task-Aware Neural Language Model	Liyuan Liu, Jingbo Shang, Xiang Ren, Frank Fangzheng Xu, Huan Gui, Jian Peng, Jiawei Han
Poster	1576: A Deep Generative Framework for Paraphrase Generation	Ankush Gupta, Arvind Agarwal, Prawaan Singh, Piyush Rai
Tech Session 8: What's Hot Talks		Sun 2-3:30, Camp
	What's Hot in ICAPS, SoCS, SAT, CP, IJCAI, and AAMAS	
IAAI-18: The Business of Time and Money		Sun 2-3:30, Jackson
	An Automated Employee Timetabling System for Small Businesses (Deployed)	Richard Hoshino, Aaron Slobodin, William Bernoudy
	Secure and Automated Enterprise Revenue Forecasting (Deployed)	Jocelyn Barker, Amita Gajewar, Konstantin Golyaev, Gagan Bansal, Matt Conners
	Adapting to Concept Drift in Credit Card Transaction Data Streams Using Contextual Bandits and Decision Trees	Dennis J. N. J. Soemers, Tim Brys, Kurt Driessens, Mark H. M. Winands, Ann Nowé
	Investigating the Role of Ensemble Learning in High-Value Wine Identification	Luigi Portinale, Monica Locatelli
EAAI-18 Outstanding Educator Talk and Presentation of Award		Sun 2:2:50, Jefferson
	Playful AI Education	Todd Neller
EAAI-18 Panel Discussion		Sun 2:50-3:30, Jefferson
	Next Big Steps in AI for Education	Moderator: Claudia Schulz; Panelists: Ashok Goel, Todd Neller
4:00 - 5:00pm		
Tech Session 1: Knowledge Representation (KRR)		Sun 4-5, St. James
Oral	3752: Goal-Driven Query Answering for Existential Rules With Equality	Michael Benedikt, Boris Motik, Efthymia Tsamoura
Oral	4424: On the Satisfiability Problem of Patterns in SPARQL 1.1	Xiaowang Zhang, Jan Van den Bussche, Kewen Wang, Zhe Wang
Oral	3984: Qualitative Reasoning About Cardinal Directions Using Answer Set Programming	Yusuf Izmirlioglu, Esra Erdem
Poster	3625: Externally Supported Models for Efficient Computation of Paracoherent Answer Sets	Giovanni Amendola, Carmine Dodaro, Wolfgang Faber, Francesco Ricca
Poster	1686: Measuring Strong Inconsistency	Markus Ulbricht, Matthias Thimm, Gerhard Brewka
Poster	3176: In Praise of Belief Bases: Doing Epistemic Logic Without Possible Worlds	Emiliano Lorini
Poster	2433: Towards a Unified Framework for Syntactic Inconsistency Measures	Glauber De Bona, John Grant, Anthony Hunter, Sébastien Konieczny
Poster	3244: Splitting an LPMLN Program	Bin Wang, Zhizheng Zhang, Hongxiang Xu, Jun Shen
Poster	1468: Combining Experts' Causal Judgments	Dalal Aljareh, Hana Chockler, Joseph Yehuda Halpern
Poster	1520: Incorporating GAN for Negative Sampling in Knowledge Representation Learning	Peifeng Wang, Shuangyin Li, Rong Pan
Tech Session 2: Game Theory and Economic Paradigms (GTEP)		Sun 4-5, Fulton
Oral	1404: The Conference Paper Assignment Problem: Using Order Weighted Averages to Assign Indivisible Goods	Jing Wu Lian, Nicholas Mattei, Renee Noble, Toby Walsh
Oral	207: Fair Rent Division on a Budget	Ariel D. Procaccia, Rodrigo A. Velez, Dingli Yu
Oral	1902: Utilitarians Without Utilities: Maximizing Social Welfare for Graph Problems Using Only Ordinal Preferences	Ben Abramowitz, Elliot Anshelevich
Oral	1810: The Complexity of Bribery in Network-Based Rating Systems	Umberto Grandi, James Stewart, Paolo Turrini
Tech Session 3: Vision and Video Analysis (VIS) (MLA)		Sun 4-5, Newberry/Ascot
Oral	956: Deep Reinforcement Learning for Unsupervised Video Summarization With Diversity-Representativeness Reward	Kaiyang Zhou, Yu Qiao, Tao Xiang
Oral	1666: SAP: Self-Adaptive Proposal Model for Temporal Action Detection Based on Reinforcement Learning	Jingjia Huang, Nannan Li, Tao Zhang, Ge Li, Tiejun Huang, Wen Gao
Oral	798: Hierarchical Nonlinear Orthogonal Adaptive-Subspace Self-Organizing Map Based Feature Extraction for Human Action Recognition	Yang Du, Chunfeng Yuan, Bing Li, Weiming Hu, Hao Yang, Zhikang Fu, Lili Zhao
Poster	996: Exploring Temporal Preservation Networks for Precise Temporal Action Localization	Ke Yang, Peng Qiao, Dongsheng Li, Shaoh Lv, Yong Dou
Poster	2188: Cross-View Person Identification by Matching Human Poses Estimated With Confidence on Each Body Joint	Guoqiang Liang, Xuguang Lan, Kang Zheng, Song Wang, Nanning Zheng
Poster	1775: Video-Based Sign Language Recognition Without Temporal Segmentation	Jie Huang, Wengang Zhou, Qilin Zhang, Houqiang Li, Weiping Li
Poster	2593: Multimodal Keyless Attention Fusion for Video Classification	Xiang Long, Chuang Gan, Gerard de Melo, Xiao Liu, Yandong Li, Fu Li, Shilei Wen
Poster	1088: Video Generation From Text	Yitong Li, Martin Renqiang Min, Dinghan Shen, David Carlson, Lawrence Carin
Poster	771: Self-View Grounding Given a Narrated 360° Video	Shih-Han Chou, Yi-Chun Chen, Kuo-Hao Zeng, Hou-Ning Hu, Jianlong Fu, Min Sun
Poster	7: Multi-Rate Gated Recurrent Convolutional Networks for Video-Based Pedestrian Re-Identification	Zihui Li, Lina Yao, Feiping Nie, Dingwen Zhang, Min Xu

	Tech Session 4: Cognitive Systems (CS) (ML) (NLPTM) (VIS)	Sun 4-5, Magazine
Oral	3748: Cognition-Cognizant Sentiment Analysis With Multitask Subjectivity Summarization Based on Annotators' Gaze Behavior	Abhijit Mishra, Srikanth Tamilselvam, Riddhiman Dasgupta, Seema Nagar, Kuntal Dey
Oral	3060: Emotional Chatting Machine: Emotional Conversation Generation with Internal and External Memory	Hao Zhou, Minlie Huang, Tianyang Zhang, Xiaoyan Zhu, Bing Liu
Oral	4204: Learning Graph-Structured Sum-Product Networks for Probabilistic Semantic Maps	Kaiyu Zheng, Andrzej Pronobis, Rajesh P. N. Rao
Oral	1331: Audio Visual Attribute Discovery for Fine-Grained Object Recognition	Hua Zhang, Xiaochun Cao, Rui Wang
	Tech Session 5: Computational Sustainability (CSAI) (ML) (ROB) (VIS)	Sun 4-5, Commerce
Oral	4348: gOCCF: Graph-Theoretic One-Class Collaborative Filtering Based on Uninteresting Items	Yeon-Chang Lee, Sang-Wook Kim, Dongwon Lee
Oral	3422: Accelerated Training for Massive Classification via Dynamic Class Selection	Xingcheng Zhang, Lei Yang, Junjie Yan, Dahua Lin
Oral	4145: Gaussian Process Decentralized Data Fusion Meets Transfer Learning in Large-Scale Distributed Cooperative Perception	Ruofei Ouyang, Kian Hsiang Low
Oral	1281: IONet: Learning to Cure the Curse of Drift in Inertial Odometry	Changhao Chen, Xiaoxuan Lu, Andrew Markham, Niki Trigoni
	Tech Session 6: Vision and Learning (VIS) (ML) (MLA)	Sun 4-5, Canal
Oral	2088: Towards Affordable Semantic Searching: Zero-Shot Retrieval via Dominant Attributes	Yang Long, Li Liu, Yuming Shen, Ling Shao
Oral	176: Transfer Adversarial Hashing for Hamming Space Retrieval	Zhangjie Cao, Mingsheng Long, Chao Huang, Jianmin Wang
Oral	3469: Orthogonal Weight Normalization: Solution to Optimization Over Multiple Dependent Stiefel Manifolds in Deep Neural Networks	Lei Huang, Xianglong Liu, Bo Lang, Adams Wei Yu, Yongliang Wang, Bo Li
Poster	2995: Adversarial Zero-shot Learning With Semantic Augmentation	Bin Tong, Martin Klinkigt, Junwen Chen, Xiankun Cui, Quan Kong, Tomokazu Murakami, Yoshiyuki Kobayashi
Poster	1286: Recurrent Attentional Reinforcement Learning for Multi-Label Image Recognition	Tianshui Chen, Zhouxia Wang, Guanbin Li, Liang Lin
Poster	1738: LSTD: A Low-Shot Transfer Detector for Object Detection	Hao Chen, Yali Wang, Guoyou Wang, Yu Qiao
Poster	1614: Spatial as Deep: Spatial CNN for Traffic Scene Understanding	Xingang Pan, Jianping Shi, Ping Luo, Xiaogang Wang, Xiaoou Tang
Poster	2227: Joint Dictionaries for Zero-Shot Learning	Soheil Kolouri, Mohammad Rostami, Yuri Owechko, Kyungnam Kim
Poster	1928: Auto-Balanced Filter Pruning for Efficient Convolutional Neural Networks	Xiaohan Ding, Guiguang Ding, Jungong Han, Sheng Tang
Poster	1266: Learning Adaptive Hidden Layers for Mobile Gesture Recognition	Ting-Kuei Hu, Yen-Yu Lin, Pi-Cheng Hsiu
	Tech Session 7: Machine Learning and Graphical Models (ML) (RU) (NLPML) (NLPKR) (NLPTM)	Sun 4-5, Royal
Oral	3435: Sum-Product Autoencoding: Encoding and Decoding Representations Using Sum-Product Networks	Antonio Vergari, Robert Peharz, Nicola Di Mauro, Alejandro Molina, Kristian Kersting, Floriana Esposito
Oral	1894: Automatic Parameter Tying: A New Approach for Regularized Parameter Learning in Markov Networks	Li Chou, Pracheta Sahoo, Somdeb Sarkhel, Nicholas Ruozi, Vibhav Gogate
Oral	4086: Lifted Generalized Dual Decomposition	Nicholas Gallo, Alexander Ihler
Poster	2822: Riemannian Stein Variational Gradient Descent for Bayesian Inference	Chang Liu, Jun Zhu
Poster	4005: Bayesian Verb Sense Clustering	Daniel W Peterson, Martha Palmer
Poster	1962: Generating Sentences Using a Dynamic Canvas	Harshil Shah, Bowen Zheng, David Barber
Poster	4266: Actionable Email Intent Modeling With Reparametrized RNNs	Chu-Cheng Lin, Dongyeop Kang, Michael Gamon, Patrick Pantel
Poster	1873: Attention-based Belief or Disbelief Feature Extraction for Dependency Parsing	Haoyuan Peng, Lu Liu, Yi Zhou, Junying Zhou, Xiaoqing Zheng
Poster	2780: Dual Transfer Learning for Neural Machine Translation with Marginal Distribution Regularization	Yijun Wang, Yingce Xia, Li Zhao, Jiang Bian, Tao Qin, Guiquan Liu, Tie-Yan Liu
Poster	4577: A Question-Focused Multi-Factor Attention Network for Question Answering	Souvik Kundu, Hwee Tou Ng
	Tech Session 8: Reinforcement Learning (ML) (PS) (ROB)	Sun 4-5, Camp
Oral	1420: Phase-Parametric Policies for Reinforcement Learning in Cyclic Environments	Arjun Sharma, Kris M. Kitani
Oral	3367: Action Branching Architectures for Deep Reinforcement Learning	Arash Tavakoli, Fabio Pardo, Petar Kormushev
Oral	3778: Multi-Step Reinforcement Learning: A Unifying Algorithm	Kristopher De Asis, J. Fernando Hernandez-Garcia, G. Zacharias Holland, Richard S. Sutton
Poster	1719: An Optimal Online Method of Selecting Source Policies for Reinforcement Learning	Siyuan Li, Chongjie Zhang
Poster	4067: When Waiting Is Not an Option: Learning Options With a Deliberation Cost	Jean Harb, Pierre-Luc Bacon, Martin Klissarov, Doina Precup
	IAAI-18 Englemore Memorial Award Lecture	Sun 4-5, Grand Ballroom B/C/D
	Smart Infrastructure for Future Urban Mobility	Stephen Smith
	EAAI-18 Panel Discussion	Sun 4-4:30, Jefferson
	Non-traditional Research Experiences for Undergraduates	Moderator: Joshua Eckroth; Panelists: Sven Koenig, Nate Derbinsky
	EAAI-18 K-12 Outreach	Sun 4:30-5:30, Jefferson
	K-12 Outreach	Introduction by Sheila Tejada and David Touretzky

5:10 - 6:10pm

AAAI	Sun 5:10-6:10, Grand Ballroom
AAAI-18 Invited Talk: From Naive Physics to Connotation: Learning and Reasoning about the World using Language	Yejin Choi

6:30 - 8:30pm

AAAI	Sun 6:30-8:30, Grand Salon
AAAI-18 Poster / Demo Session 1	

Monday, February 5

7:30 - 8:45am

AAAI	Mon 7:30-8:45, Jefferson
Women's Mentoring Breakfast	

8:50 - 9:50am

AAAI	Mon 8:50-9:50, Grand Ballroom
AAAI-18 Invited Talk: How Machines Learn Best from Humans	Charles Isbell

10:00 - 11:00am

Tech Session 1: HAIC Invited Talks (30 minutes each)		Mon 10-11, Ballroom A
	Communicative Actions in Human-Robot Teams	Ross Knepper
	Supporting People's Interactions in Online Groups. A New Challenge for AI	Kobi Gal
Tech Session 2: Machine Learning (ML)		Mon 10-11, St. James
Oral	1319: Link Prediction via Subgraph Embedding-Based Convex Matrix Completion	Zhu Cao, Linlin Wang, Gerard de Melo
Oral	1883: Semi-Supervised AUC Optimization Without Guessing Labels of Unlabeled Data	Zheng Xie, Ming Li
Oral	3069: Learning From Semi-Supervised Weak-Label Data	Hao-Chen Dong, Yu-Feng Li, Zhi-Hua Zhou
Poster	2640: Feature-Induced Labeling Information Enrichment for Multi-Label Learning	Qian-Wen Zhang, Yun Zhong, Min-Ling Zhang
Poster	1865: Hypergraph Learning With Cost Interval Optimization	Xibin Zhao, Nan Wang, Heyuan Shi, Hai Wan, Jin Huang, Yue Gao
Poster	2746: A Deep Model With Local Surrogate Loss for General Cost-Sensitive Multi-Label Learning	Cheng-Yu Hsieh, Yi-An Lin, Hsuan-Tien Lin
Poster	1683: Learning With Single-Teacher Multi-Student	Shan You, Chang Xu, Chao Xu, Dacheng Tao
Poster	2538: Doubly Approximate Nearest Neighbor Classification	Weiwei Liu, Zhuanghua Liu, Ivor W. Tsang, Wenjie Zhang, Xuemin Lin
Poster	2168: Multi-Layer Multi-View Classification for Alzheimer's Disease Diagnosis	Changqing Zhang, Ehsan Adeli, Tao Zhou, Xiaobo Chen, Dinggang Shen
Poster	2434: Label Distribution Learning by Exploiting Sample Correlations Locally	Xiang Zheng, Xiuyi Jia, Weiwei Li
Tech Session 3: Game Theory and Economic Paradigms (GTEP)		Mon 10-11, Fulton
Oral	2308: On the Approximation of Nash Equilibria in Sparse Win-Lose Games	Zhengyang Liu, Ying Sheng
Oral	1977: Computational Results for Extensive-Form Adversarial Team Games	Andrea Celli, Nicola Gatti
Oral	695: Robust Stackelberg Equilibria in Extensive-Form Games and Extension to Limited Lookahead	Christian Kroer, Gabriele Farina, Tuomas Sandholm
Poster	89: Resource Allocation Polytope Games: Uniqueness of Equilibrium, Price of Stability, and Price of Anarchy	Swapnil Dhamal, Walid Ben-Ameur, Tijani Chahed, Eitan Altman
Poster	1381: Disarmament Games With Resource	Yuan Deng, Vincent Conitzer
Poster	3903: A Regression Approach for Modeling Games With Many Symmetric Players	Bryce Wiedenbeck, Fengjun Yang, Michael P. Wellman
Tech Session 4: Vision and Object Detection (VIS) (MLA)		Mon 10-11, Newberry/Ascot
Oral	2526: R-FCN++: Towards Accurate Region-Based Fully Convolutional Networks for Object Detection	Zeming Li, Yilun Chen, Gang Yu, Yangdong Deng
Oral	235: Learning Pose Grammar to Encode Human Body Configuration for 3D Pose Estimation	Hao-Shu Fang, Yuanlu Xu, Wenguan Wang, Xiaobai Liu, Song-Chun Zhu
Oral	4334: Feature Enhancement Network: A Refined Scene Text Detector	Sheng Zhang, Yuliang Liu, Lianwen Jin, Canjie Luo
Poster	1146: Deep Structured Learning for Visual Relationship Detection	Yaohui Zhu, Shuqiang Jiang
Poster	1011: PixelLink: Detecting Scene Text via Instance Segmentation	Dan Deng, Haifeng Liu, Xuelong Li, Deng Cai
Poster	4342: Progressive Cognitive Human Parsing	Bingke Zhu, Yingying Chen, Ming Tang, Jinqiao Wang
Poster	1437: Co-Saliency Detection Within a Single Image	Hongkai Yu, Kang Zheng, Jianwu Fang, Hao Guo, Wei Feng, Song Wang
Poster	4189: MixedPeds: Pedestrian Detection in Unannotated Videos Using Synthetically Generated Human-Agents for Training	Ernest Cheung, Anson Wong, Aniket Bera, Dinesh Manocha
Poster	2474: FLIC: Fast Linear Iterative Clustering With Active Search	Jiaxing Zhao, Bo Ren, Qibin Hou, Ming-Ming Cheng, Paul Rosin
Poster	654: Recurrently Aggregating Deep Features for Salient Object Detection	Xiaowei Hu, Lei Zhu, Jing Qin, Chi-Wing Fu, Pheng-Ann Heng
Tech Session 5: Natural Language Processing (NLPML) (NLPMT) (NLPKR) (KRR)		Mon 10-11, Magazine
Oral	2795: Semantic Structure-Based Word Embedding by Incorporating Concept Convergence and Word Divergence	Qian Liu, Heyan Huang, Guangquan Zhang, Yang Gao, Junyu Xuan, Jie Lu

Oral	2424: Order-Planning Neural Text Generation From Structured Data	Lei Sha, Lili Mou, Tianyu Liu, Pascal Poupart, Sujian Li, Baobao Chang, Zhifang Sui
Oral	967: Geometric Relationship between Word and Context Representations	Jiangtao Feng, Xiaoqing Zheng
Poster	2892: Improving Sequence-to-Sequence Constituency Parsing	Lemao Liu, Muhua Zhu, Shuming Shi
Poster	626: Incorporating Discriminator in Sentence Generation: a Gibbs Sampling Method	Jinyue Su, Jiacheng Xu, Xipeng Qiu, Xuanjing Huang
Poster	3033: Neural Networks Incorporating Dictionaries for Chinese Word Segmentation	Qi Zhang, Xiaoyu Liu, Jinlan Fu
Poster	1162: Chinese LIWC Lexicon Expansion via Hierarchical Classification of Word Embeddings with Sememe Attention	Xiangkai Zeng, Cheng Yang, Cunchao Tu, Zhiyuan Liu, Maosong Sun
Poster	2391: Diagnosing and Improving Topic Models by Analyzing Posterior Variability	Linzi Xing, Michael J. Paul
Poster	2680: End-to-End Quantum-like Language Models with Application to Question Answering	Peng Zhang, Jiabin Niu, Zhan Su, Benyou Wang, Liqun Ma, Dawei Song
Poster	1568: SenticNet 5: Discovering Conceptual Primitives for Sentiment Analysis by Means of Context Embeddings	Erik Cambria, Soujanya Poria, Devamanyu Hazarika, Kenneth Kwok
Tech Session 6: Planning and Scheduling (PS) (HSO)		Mon 10-11, Commerce
Oral	3024: Stackelberg Planning: Towards Effective Leader-Follower State Space Search	Patrick Speicher, Marcel Steinmetz, Michael Backes, Jörg Hoffmann, Robert Künnemann
Oral	1919: Fat- and Heavy-Tailed Behavior in Satisficing Planning	Eldan Cohen, J. Christopher Beck
Oral	4016: Planning With Pixels in (Almost) Real Time	Wilmer Bandres, Blai Bonet, Hector Geffner
Oral	3596: Disjunctive Program Synthesis: A Robust Approach to Programming by Example	Mohammad Raza, Sumit Gulwani
Tech Session 7: Security, Trust and Privacy (APP) (ML) (HAC) (NLPML) (HAI) (MLA)		Mon 10-11, Canal
Oral	4241: Towards Imperceptible and Robust Adversarial Example Attacks Against Neural Networks	Bo Luo, Yannan Liu, Lingxiao Wei, Qiang Xu
Oral	3628: Comparing Population Means Under Local Differential Privacy: With Significance and Power	Bolin Ding, Harsha Nori, Paul Li, Joshua Allen
Oral	3853: EAD: Elastic-Net Attacks to Deep Neural Networks via Adversarial Examples	Pin-Yu Chen, Yash Sharma, Huan Zhang, Jinfeng Yi, Cho-Jui Hsieh
Poster	270: Geographic Differential Privacy for Mobile Crowd Coverage Maximization	Leye Wang, Gehua Qin, Dingqi Yang, Xiao Han, Xiaojuan Ma
Poster	3075: Data Poisoning Attacks on Multi-Task Relationship Learning	Mengchen Zhao, Bo An, Yaodong Yu, Sulin Liu, Sinno Jialin Pan
Poster	2722: Long Text Generation via Adversarial Training with Leaked Information	Jiaxian Guo, Sidi Lu, Han Cai, Weinan Zhang, Yong Yu, Jun Wang
Poster	1220: Uplink Communication Efficient Differentially Private Sparse Optimization With Feature-Wise Distributed Data	Jian Lou, Yiu-ming Cheung
Poster	3899: Automatic Segmentation of Data Sequences	Liangzhe Chen, Sorour E. Amiri, B. Aditya Prakash
Poster	705: IMS-DTM: Incremental Multi-Scale Dynamic Topic Models	Xilun Chen, K. Selcuk Candan, Maria Luisa Sapino
Tech Session 8: Reinforcement Learning, Language and Vision (ML) (VIS) (PS) (NLPML)		Mon 10-11, Royal
Oral	1899: Expected Policy Gradients	Kamil Ciosek, Shimon Whiteson
Oral	376: Source Traces for Temporal Difference Learning	Silviu Pitis
Oral	2099: Learning Predictive State Representations From Non-Uniform Sampling	Yuri Grinberg, Hossein Aboutaleb, Melanie Lyman-Abramovitch, Borja Balle, Doina Precup
Poster	667: Personalizing a Dialogue System With Transfer Reinforcement Learning	Kaixiang Mo, Yu Zhang, Shuangyin Li, Jiajun Li, Qiang Yang
Poster	1417: Accelerated Method for Stochastic Composition Optimization With Nonsmooth Regularization	Zhouyuan Huo, Bin Gu, Ji Liu, Heng Huang
Poster	2151: Doing the Best We Can With What We Have: Multi-Label Balancing With Selective Learning for Attribute Prediction	Emily M. Hand, Carlos Castillo, Rama Chellappa
Poster	1251: Temporal-Difference Learning With Sampling Baseline for Image Captioning	Hui Chen, Guiguang Ding, Sicheng Zhao, Jungong Han
Poster	287: Learning to Guide Decoding for Image Captioning	Wenhao Jiang, Lin Ma, Xinpeng Chen, Hanwang Zhang, Wei Liu
Poster	1561: Co-Attending Free-Form Regions and Detections With Multi-Modal Multiplicative Feature Embedding for Visual Question Answering	Pan Lu, Hongsheng Li, Wei Zhang, Jianyong Wang, Xiaogang Wang
Poster	1961: Exploring Human-Like Attention Supervision in Visual Question Answering	Tingting Qiao, Jianfeng Dong, Duanqing Xu
Tech Session 9: Deep Learning (ML) (MLA) (NLPML) (VIS)		Mon 10-11, Camp
Oral	4354: Memory Fusion Network for Multi-view Sequential Learning	Amir Zadeh, Paul Pu Liang, Navonil Mazumder, Soujanya Poria, Erik Cambria, Louis-Philippe Morency
Oral	3640: Reversible Architectures for Arbitrarily Deep Residual Neural Networks	Bo Chang, Lili Meng, Eldad Haber, Lars Ruthotto, David Begert, Elliot Holtham
Oral	3448: DeepRebirth: Accelerating Deep Neural Network Execution on Mobile Devices	Dawei Li, Xiaolong Wang, Deguang Kong
Oral	1285: Learning a Wavelet-Like Auto-Encoder to Accelerate Deep Neural Networks	Tianshui Chen, Liang Lin, Wangmeng Zuo, Xiaonan Luo, Lei Zhang

	Tech Session 10: Machine Learning and Graphical Models (ML) (RU) (KRR)	Mon 10-11, Grand Salon 3
Oral	1774: Mixed Sum-Product Networks: A Deep Architecture for Hybrid Domains	Alejandro Molina, Antonio Vergari, Nicola Di Mauro, Sriraam Natarajan, Floriana Esposito, Kristian Kersting
Oral	807: Maximum A Posteriori Inference in Sum-Product Networks	Jun Mei, Yong Jiang, Kewei Tu
Oral	4605: Conditional PSDDs: Modeling and Learning With Modular Knowledge	Yujia Shen, Arthur Choi, Adnan Darwiche
Poster	826: The Structural Affinity Method for Solving the Raven's Progressive Matrices Test for Intelligence	Snejana Shegheva, Ashok Goel
Poster	2136: Learning Conditional Generative Models for Temporal Point Processes	Shuai Xiao, Hongteng Xu, Junchi Yan, Mehrdad Farajtabar, Xiaokang Yang, Le Song, Hongyuan Zha
Poster	1052: Latent Sparse Modeling of Longitudinal Multi-Dimensional Data	Ko-Shin Chen, Tingyang Xu, Jinbo Bi
Poster	1941: Multi-Modal Multi-Task Learning for Automatic Dietary Assessment	Qi Liu, Yue Zhang, Zhenguang Liu, Ye Yuan, Li Cheng, Roger Zimmermann
Poster	3754: Topic Modeling on Health Journals With Regularized Variational Inference	Robert Giaquinto, Arindam Banerjee
Poster	2934: Bayesian Robust Attributed Graph Clustering: Joint Learning of Partial Anomalies and Group Structure	Aleksandar Bojchevski, Stephan Günnemann
Poster	3935: Latent Discriminant Subspace Representations for Multi-View Outlier Detection	Kai Li, Sheng Li, Zhengming Ding, Weidong Zhang, Yun Fu
Poster	2216: CoDiNMF: Co-Clustering of Directed Graphs via NMF	Woosang Lim, Rundong Du, Haesun Park
	Tech Session 11: Student Abstracts	Mon 10-11, Grand Salon 7
	Student Abstract Spotlights	
	AAAI-18	Mon 10-11, Grand Salon 9
	Federal Funding Agency Information Panel / Meet and Greet	Moderator: Reid Simmons
	IAAI-18 Invited Talk	Mon 10-11, Jackson
	Leveraging AI and Geospatial Data to Understand the Earth at Scale	Boris Babenko

11:30am - 12:30pm

	Tech Session 1: Human-AI Collaboration (HAC) (HCC) (CSAI) (GTEP) (HAI)	Mon 11:30-12:30, Ballroom A
Oral	2506: Deep TAMER: Interactive Agent Shaping in High-Dimensional State Spaces	Garrett Warnell, Nicholas Waytowich, Vernon Lawhern, Peter Stone
Oral	1211: A Low-Cost Ethics Shaping Approach for Designing Reinforcement Learning Agents	Yueh-Hua Wu, Shou-De Lin
Oral	4335: A Coverage-Based Utility Model for Identifying Unknown Unknowns	Gagan Bansal, Daniel S. Weld
Poster	1741: Optimizing Interventions via Offline Policy Evaluation: Studies in Citizen Science	Avi Segal, Kobi Gal, Ece Kamar, Eric Horvitz, Grant Miller
Poster	2731: AdaFlock: Adaptive Feature Discovery for Human-in-the-loop Predictive Modeling	Ryusuke Takahama, Yukino Baba, Nobuyuki Shimizu, Sumio Fujita, Hisashi Kashima
Poster	1119: Incentivizing High Quality User Contributions: New Arm Generation in Bandit Learning	Yang Liu, Chien-Ju Ho
Poster	1375: Understanding Over Participation in Simple Contests	Priel Levy, David Sarne
Poster	3371: Optimal Spot-Checking for Improving Evaluation Accuracy of Peer Grading Systems	Wanyuan Wang, Bo An, Yichuan Jiang
Poster	3112: An Interactive Multi-Label Consensus Labeling Model for Multiple Labeler Judgments	Ashish Kulkarni, Narasimha Raju Uppalapati, Pankaj Singh, Ganesh Ramakrishnan
	Tech Session 2: Machine Learning (ML)	Mon 11:30-12:30, St. James
Oral	621: Sparse Gaussian Conditional Random Fields on Top of Recurrent Neural Networks	Xishun Wang, Minjie Zhang, Fenghui Ren
Oral	1453: Informed Non-Convex Robust Principal Component Analysis With Features	Niannan Xue, Jiankang Deng, Yannis Panagakis, Stefanos Zafeiriou
Oral	2939: Randomized Kernel Selection With Spectra of Multilevel Circulant Matrices	Lizhong Ding, Shizhong Liao, Yong Liu, Peng Yang, Xin Gao
Poster	2157: Deep Semi-Random Features for Nonlinear Function Approximation	Kenji Kawaguchi, Bo Xie, Le Song
Poster	3976: A Parallelizable Acceleration Framework for Packing Linear Programs	Palma London, Shai Vardi, Adam Wierman, Hanling Yi
Poster	3364: Approximate Vanishing Ideal via Data Knotting	Hiroshi Kera, Yoshihiko Hasegawa
Poster	2909: Euler Sparse Representation for Image Classification	Yang Liu, Quanxue Gao, Jungong Han, Shujian Wang
Poster	2163: Margin Based PU Learning	Tieliang Gong, Guangtao Wang, Jieping Ye, Zongben Xu, Ming Lin
Poster	1533: New L21-Norm Relaxation of Multi-Way Graph Cut for Clustering	Xu Yang, Cheng Deng, Xianglong Liu, Feiping Nie
Poster	988: Unified Spectral Clustering With Optimal Graph	Zhao Kang, Chong Peng, Qiang Cheng, Zenglin Xu
	Tech Session 3: Game Theory and Economic Paradigms (GTEP) (HCC)	Mon 11:30-12:30, Fulton
Oral	883: Weighted Voting Via No-Regret Learning	Nika Haghtalab, Ritesh Noothigattu, Ariel D. Procaccia
Oral	2301: Average-Case Approximation Ratio of Scheduling Without Payments	Jie Zhang
Oral	1385: Coalition Manipulation of Gale-Shapley Algorithm	Weiran Shen, Pingzhong Tang, Yuan Deng

Oral	1083: A Voting-Based System for Ethical Decision Making	Ritesh Noothigattu, Snehal Kumar S. Gaikwad, Edmond Awad, Sohan Dsouza, Iyad Rahwan, Pradeep Ravikumar, Ariel D. Procaccia
Tech Session 4: Vision (VIS) (AIW) (HAI)		Mon 11:30-12:30, Newberry/Ascot
Oral	3873: Learning Efficient Point Cloud Generation for Dense 3D Object Reconstruction	Chen-Hsuan Lin, Chen Kong, Simon Lucey
Oral	3277: Emphasizing 3D Properties in Recurrent Multi-View Aggregation for 3D Shape Retrieval	Cheng Xu, Biao Leng, Cheng Zhang, Xiaochen Zhou
Oral	1647: DF2Net: Discriminative Feature Learning and Fusion Network for RGB-D Indoor Scene Classification	Yabei Li, Junge Zhang, Yanhua Cheng, Kaiqi Huang, Tieniu Tan
Poster	1637: 3D Box Proposals From a Single Monocular Image of an Indoor Scene	Wei Zhuo, Mathieu Salzmann, Xuming He, Miaomiao Liu
Poster	2365: Top-Down Feedback for Crowd Counting Convolutional Neural Network	Deepak Babu Sam, R. Venkatesh Babu
Poster	2397: Visual Relationship Detection With Deep Structural Ranking	Kongming Liang, Yuhong Guo, Hong Chang, Xilin Chen
Poster	724: SqueezedText: A Real-Time Scene Text Recognition by Binary Convolutional Encoder-Decoder Network	Zichuan Liu, Yixing Li, Fengbo Ren, Wang Ling Goh, Hao Yu
Poster	1288: Facial Landmarks Detection by Self-Iterative Regression Based Landmarks-Attention Network	Tao Hu, Honggang Qi, Jizheng Xu, Qingming Huang
Poster	1562: Deep Stereo Matching With Explicit Cost Aggregation Sub-Architecture	Lidong Yu, Yucheng Wang, Yuwei Wu, Yunde Jia
Poster	2019: VSE-ens: Visual-Semantic Embeddings with Efficient Negative Sampling	Guibing Guo, Songlin Zhai, Fajie Yuan, Yuan Liu, Xingwei Wang
Poster	518: Coupled Deep Learning for Heterogeneous Face Recognition	Xiang Wu, Lingxiao Song, Ran He, Tieniu Tan
Tech Session 5: Learning Theory (ML)		Mon, 11:30-12:30, Magazine
Oral	4365: On the ERM Principle With Networked Data	Yuanhong Wang, Yuyi Wang, Xingwu Liu, Juhua Pu
Oral	3876: A Provable Approach for Double-Sparse Coding	Thanh V. Nguyen, Raymond K. W. Wong, Chinmay Hegde
Oral	3455: Sample-Efficient Learning of Mixtures	Hassan Ashtiani, Shai Ben-David, Abbas Mehrabian
Oral	2125: Algorithms for Generalized Topic Modeling	Avrim Blum, Nika Haghtalab
Tech Session 6: Knowledge Representation (KRR) (HSO) (MAS)		Mon 11:30-12:30, Commerce
Oral	292: On Consensus in Belief Merging	Nicolas Schwind, Pierre Marquis
Oral	1811: Control Argumentation Frameworks	Yannis Dimopoulos, Jean-Guy Mailly, Pavlos Moraitis
Oral	782: Complexity of Verification in Incomplete Argumentation Frameworks	Dorothea Baumeister, Daniel Neugebauer, Jörg Rothe, Hilmar Schadrack
Poster	3426: How Many Properties Do We Need for Gradual Argumentation?	Pietro Baroni, Antonio Rago, Francesca Toni
Poster	205: Weighted Abstract Dialectical Frameworks	Gerhard Brewka, Hannes Strass, Johannes P. Wallner, Stefan Woltran
Poster	90: Rational Inference Patterns Based on Conditional Logic	Christian Eichhorn, Gabriele Kern-Isberner, Marco Ragni
Poster	2409: Submodular Function Maximization Over Graphs via Zero-Suppressed Binary Decision Diagrams	Shinsaku Sakaue, Masaaki Nishino, Norihito Yasuda
Tech Session 7: Machine Learning Applications and Recommender Systems (MLA) (ML) (AIW)		Mon 11:30-12:30, Canal
Oral	703: Learning User Preferences to Incentivize Exploration in the Sharing Economy	Christoph Hirschall, Adish Singla, Sebastian Tschitschek, Andreas Krause
Oral	1541: Partial Multi-Label Learning	Ming-Kun Xie, Sheng-Jun Huang
Oral	937: Social Recommendation with an Essential Preference Space	Chun-Yi Liu, Chuan Zhou, Jia Wu, Yue Hu, Li Guo
Poster	2516: A Batch Learning Framework for Scalable Personalized Ranking	Kuan Liu, Prem Natarajan
Poster	3002: Probabilistic Ensemble of Collaborative Filters	Zhiyu Min, Dahua Lin
Poster	575: Learning Mixtures of Random Utility Models	Zhibing Zhao, Tristan Villamil, Lirong Xia
Poster	1192: Collaborative Filtering With User-Item Co-Autoregressive Models	Chao Du, Chongxuan Li, Yin Zheng, Jun Zhu, Bo Zhang
Poster	2289: Attention-Based Transactional Context Embedding for Next-Item Recommendation	Shoujin Wang, Liang Hu, Longbing Cao, Xiaoshui Huang, Defu Lian, Wei Liu
Poster	2161: ATRank: An Attention-Based User Behavior Modeling Framework for Recommendation	Chang Zhou, Jinze Bai, Junshuai Song, Xiaofei Liu, Zhengchao Zhao, Xiusi Chen, Jun Gao
Poster	2256: Personalized Privacy-Preserving Social Recommendation	Xuying Meng, Suhang Wang, Kai Shu, Jundong Li, Bo Chen, Huan Liu, Yujun Zhang
Tech Session 8: Relational and Graph-Based Learning (RU) (ML)		Mon 11:30-12:30, Royal
Oral	4101: RelNN: A Deep Neural Model for Relational Learning	Seyed Mehran Kazemi, David Poole
Oral	4343: Learning Mixtures of MLNs	Mohammad Maminur Islam, Somdeb Sarkhel, Deepak Venugopal
Oral	3197: Relational Marginal Problems: Theory and Estimation	Ondřej Kuželka, Yuyi Wang, Jesse Davis, Steven Schockaert
Poster	181: Multi-Level Variational Autoencoder: Learning Disentangled Representations From Grouped Observations	Diane Bouchacourt, Ryota Tomioka, Sebastian Nowozin
Poster	1760: Data-Dependent Learning of Symmetric/Antisymmetric Relations for Knowledge Base Completion	Hitoshi Manabe, Katsuhiko Hayashi, Masashi Shimbo
Poster	178: On Multi-Relational Link Prediction With Bilinear Models	Yanjie Wang, Rainer Gemulla, Hui Li
Poster	2294: Convolutional 2D Knowledge Graph Embeddings	Tim Dettmers, Pasquale Minervini, Pontus Stenetorp, Sebastian Riedel
Poster	1933: Does William Shakespeare REALLY Write Hamlet? Knowledge Representation Learning With Confidence	Ruobing Xie, Zhiyuan Liu, Fen Lin, Leyu Lin
Poster	1276: TorusE: Knowledge Graph Embedding on a Lie Group	Takuma Ebisu, Ryutarō Ichise
Poster	2297: Open-World Knowledge Graph Completion	Baoxu Shi, Tim Weninger

	Tech Session 9: Machine Translation (NLPML) (AIW) (NLPKR)	Mon 11:30-12:30, Camp
Oral	4084: Zero-Resource Neural Machine Translation with Multi-Agent Communication Game	Yun Chen, Yang Liu, Victor O.K. Li
Oral	765: Joint Training for Neural Machine Translation Models with Monolingual Data	Zhirui Zhang, Shujie Liu, Mu Li, Ming Zhou, Enhong Chen
Oral	1771: Improved English to Russian Translation by Neural Suffix Prediction	Kai Song, Yue Zhang, Min Zhang, Weihua Luo
Poster	983: Syntax-Directed Attention for Neural Machine Translation	Kehai Chen, Rui Wang, Masao Utiyama, Eiichiro Sumita, Tiejun Zhao
Poster	938: Attention-via-Attention Neural Machine Translation	Shenjian Zhao, Zhihua Zhang
Poster	2452: Multi-Channel Encoder for Neural Machine Translation	Hao Xiong, Zhongjun He, Xiaoguang Hu, Hua Wu
Poster	3274: Variational Recurrent Neural Machine Translation	Jinsong Su, Shan Wu, Deyi Xiong, Yaojie Lu, Xianpei Han, Biao Zhang
Poster	1595: Knowledge Enhanced Hybrid Neural Network for Text Matching	Yu Wu, Wei Wu, Can Xu, Zhoujun Li
Poster	2771: Word Attention for Sequence to Sequence Text Understanding	Lijun Wu, Fei Tian, Li Zhao, Jianhuang Lai, Tie-Yan Liu
Poster	1881: Translating Pro-Drop Languages With Reconstruction Models	Longyue Wang, Zhaopeng Tu, Shuming Shi, Tong Zhang, Yvette Graham, Qun Liu
	Tech Session 10: Applications: From Art and Music, to Education and Medicine (APP) (MLA) (NLPML) (NLPTM)	Mon 11:30-12:30, Grand Salon 3
Oral	4327: MuseGAN: Multi-track Sequential Generative Adversarial Networks for Symbolic Music Generation and Accompaniment	Hao-Wen Dong, Wen-Yi Hsiao, Li-Chia Yang, Yi-Hsuan Yang
Oral	2337: Argument Mining for Improving the Automated Scoring of Persuasive Essays	Huy V. Nguyen, Diane J. Litman
Oral	2927: Picasso, Matisse, or a Fake? Automated Analysis of Drawings at the Stroke Level for Attribution and Authentication	Ahmed Elgammal, Yan Kang, Milko Den Leeuw
Poster	2171: Modeling Temporal Tonal Relations in Polyphonic Music Through Deep Networks With a Novel Image-Based Representation	Ching-Hua Chuan, Dorien Herremans
Poster	1532: Predicting Aesthetic Score Distribution Through Cumulative Jensen-Shannon Divergence	Xin Jin, Le Wu, Xiaodong Li, Siyu Chen, Siwei Peng, Jingying Chi, Shiming Ge, Chenggen Song, Geng Zhao
Poster	1893: Automated Segmentation of Overlapping Cytoplasm in Cervical Smear Images via Contour Fragments	Youyi Song, Jing Qin, Baiying Lei, Kup-Sze Choi
Poster	3463: Automatic Generation of Text Descriptive Comments for Code Blocks	Yuding Liang, Kenny Qili Zhu
Poster	984: DeepHit: A Deep Learning Approach to Survival Analysis With Competing Risks	Changhee Lee, William R. Zame, Jinsung Yoon, Mihaela van der Schaar
Poster	4540: Context-Aware Symptom Checking for Disease Diagnosis Using Hierarchical Reinforcement Learning	Hao-Cheng Kao, Kai-Fu Tang, Edward Y. Chang
Poster	2495: Deep Representation-Decoupling Neural Networks for Monaural Music Mixture Separation	Zhuo Li, Hongwei Wang, Miao Zhao, Wenjie Li, Minyi Guo
	AAAI-18 Senior Member Track: Summary Papers	Mon 11:30-12:15, Port/Starboard, Riverside Complex
	Learning Constraints from Examples	Luc De Raedt, Andrea Passerini, Stefano Teso
	Computational Social Choice and Computational Complexity: BFFs?	Lane A. Hemaspaandra
	A Brief History and Recent Achievements in Bidirectional Search	Nathan R. Sturtevant, Ariel Felner
	AAAI-18 Panel	Mon 11:30-12:00, Grand Salon 9
	AI Index — What Next?	Panelists: Yoav Shoham, C. Raymond Perrault, Erik Brynjolfsson
	IAAI-18: Analyzing Software and Networks	Mon 11:30-12:30, Jackson
	Classification of Malware by Using Structural Entropy on Convolutional Neural Networks	Daniel Gibert, Carles Mateu, Jordi Planes, Ramon Vicens
	Discovering Program Topoi Through Clustering	Carlo Ieva, Arnaud Gotlieb, Souhila Kaci, Nadjib Lazaar
	Mobile Network Failure Event Detection and Forecasting With Multiple User Activity Data Sets	Motoyuki Oki, Koh Takeuchi, Yukio Uematsu
	DarkEmbed: Exploit Prediction With Neural Language Models	Nazgol Tavabi, Palash Goyal, Mohammed Almkaynizi, Paulo Shakarian, Kristina Lerman
2:00 - 3:30pm		
	Tech Session 1: Human-AI Collaboration (HAC) (NLPML) (NLPKR) (APP) (ML)	Mon 2-3:30, Ballroom A
Oral	123: 280 Birds With One Stone: Inducing Multilingual Taxonomies From Wikipedia Using Character-Level Classification	Amit Gupta, Rémi Lebret, Hamza Harkous, Karl Aberer
Oral	1401: Context Aware Conversational Understanding for Intelligent Agents With a Screen	Vishal Ishwar Naik, Angeliki Metallinou, Rahul Goel
Oral	4353: Training Set Debugging Using Trusted Items	Xuezhou Zhang, Xiaojin Zhu, Stephen Wright
Oral	3865: An Interpretable Joint Graphical Model for Fact-Checking From Crowds	An T. Nguyen, Aditya Kharosekar, Matthew Lease, Byron Wallace
Oral	2835: Beyond Distributive Fairness in Algorithmic Decision Making: Feature Selection for Procedurally Fair Learning	Nina Grgić-Hlača, Muhammad Bilal Zafar, Krishna P. Gummadi, Adrian Weller
Poster	3257: Augmenting End-to-End Dialogue Systems With Commonsense Knowledge	Tom Young, Erik Cambria, Iti Chaturvedi, Hao Zhou, Subham Biswas, Minlie Huang
Poster	4493: Learning Interpretable Spatial Operations in a Rich 3D Blocks World	Yonatan Bisk, Kevin J Shih, Yejin Choi, Daniel Marcu
Poster	4001: Multi-Task Learning For Parsing The Alexa Meaning Representation Language	Vittorio Perera, Tagyoung Chung, Thomas Kollar, Emma Strubell

Poster	4277: SPINE: SParse Interpretable Neural Embeddings	Anant Subramanian, Danish Pruthi, Harsh Jhamtani, Taylor Berg-Kirkpatrick, Eduard Hovy
Poster	1157: An Interpretable Generative Adversarial Approach to Classification of Latent Entity Relations in Unstructured Sentences	Shiou Tian Hsu, Changsung Moon, Paul Jones, Nagiza Samatova
Poster	4154: Customized Nonlinear Bandits for Online Response Selection in Neural Conversation Models	Bing Liu, Tong Yu, Ian Lane, Ole J. Mengshoel
Poster	2403: Neural Character-level Dependency Parsing for Chinese	Haonan Li, Zhisong Zhang, Yuqi Ju, Hai Zhao
Tech Session 2: Reinforcement Learning (ML)(PS)		Mon 2-3:30, St. James
Oral	1655: Finite Sample Analyses for TD(0) With Function Approximation	Gal Dalal, Balázs Szörényi, Gugan Thoppe, Shie Mannor
Oral	2980: Imitation Learning via Kernel Mean Embedding	Kee-Eung Kim, Hyun Soo Park
Oral	3424: Distributional Reinforcement Learning With Quantile Regression	Will Dabney, Mark Rowland, Marc G. Bellemare, Rémi Munos
Oral	2200: On Value Function Representation of Long Horizon Problems	Lucas Lehnert, Romain Laroche, Harm van Seijen
Oral	3315: Generalized Value Iteration Networks:Life Beyond Lattices	Sufeng Niu, Siheng Chen, Hanyu Guo, Colin Targonski, Melissa C. Smith, Jelena Kovačević
Poster	4227: Deterministic Policy Optimization by Combining Pathwise and Score Function Estimators for Discrete Action Spaces	Daniel Levy, Stefano Ermon
Poster	2248: OptionGAN: Learning Joint Reward-Policy Options Using Generative Adversarial Inverse Reinforcement Learning	Peter Henderson, Wei-Di Chang, Pierre-Luc Bacon, David Meger, Joelle Pineau, Doina Precup
Poster	2310: Information Directed Sampling for Stochastic Bandits With Graph Feedback	Fang Liu, Swapna Bucapatnam, Ness Shroff
Tech Session 3: Game Theory and Economic Paradigms (GTEP)		Mon 2-3:30, Fulton
Oral	1752: A Bayesian Clearing Mechanism for Combinatorial Auctions	Gianluca Brero, Sébastien Lahaie
Oral	282: Equilibrium Computation and Robust Optimization in Zero Sum Games With Submodular Structure	Bryan Wilder
Oral	1327: Computing the Strategy to Commit to in Polymatrix Games	Giuseppe De Nittis, Alberto Marchesi, Nicola Gatti
Oral	4043: AIVAT: A New Variance Reduction Technique for Agent Evaluation in Imperfect Information Games	Neil Burch, Martin Schmid, Matej Moravcik, Dustin Morill, Michael Bowling
Oral	4026: Incentive-Compatible Forecasting Competitions	Jens Witkowski, Rupert Freeman, Jennifer Wortman Vaughan, David M. Pennock, Andreas Krause
Poster	1361: MUDA: A Truthful Multi-Unit Double-Auction Mechanism	Erel Segal-Halevi, Avinatan Hassidim, Yonatan Aumann
Poster	3117: Tool Auctions	Janosch Döcker, Britta Dorn, Ulle Endriss, Ronald de Haan, Sebastian Schneckeburger
Poster	1104: Non-Exploitable Protocols for Repeated Cake Cutting	Omer Tamuz, Shai Vardi, Juba Ziani
Tech Session 4: Vision and Perception (VIS) (HAI) (ML)		Mon 2-3:30, Newberry/Ascot
Oral	1138: Unsupervised Learning of Geometry From Videos With Edge-Aware Depth-Normal Consistency	Zhenheng Yang, Peng Wang, Wei Xu, Liang Zhao, Ramakant Nevatia
Oral	600: Cooperative Training of Deep Aggregation Networks for RGB-D Action Recognition	Pichao Wang, Wanqing Li, Jun Wan, Philip Ogunbona, Xinwang Liu
Oral	388: Transferable Semi-Supervised Semantic Segmentation	Huaxin Xiao, Yunchao Wei, Yu Liu, Maojun Zhang, Jiashi Feng
Oral	4584: Weakly Supervised Salient Object Detection Using Image Labels	Guanbin Li, Yuan Xie, Liang Lin
Oral	2894: Show, Reward and Tell: Automatic Generation of Narrative Paragraph From Photo Stream by Adversarial Training	Jing Wang, Jianlong Fu, Jinhui Tang, Zechao Li, Tao Mei
Poster	2052: Towards Perceptual Image Dehazing by Physics-Based Disentanglement and Adversarial Training	Xitong Yang, Zheng Xu, Jiebo Luo
Poster	236: Deep Semantic Structural Constraints for Zero-Shot Learning	Yan Li, Zhen Jia, Junge Zhang, Kaiqi Huang, Tieniu Tan
Poster	3797: Generating Triples With Adversarial Networks for Scene Graph Construction	Matthew Klawonn, Eric Heim
Poster	3262: Spatio-Temporal Graph Convolution for Skeleton Based Action Recognition	Chaolong Li, Zhen Cui, Wenming Zheng, Chunyan Xu, Jian Yang
Poster	3755: Deception Detection in Videos	Zhe Wu, Bharat Singh, Larry S. Davis, V. S. Subrahmanian
Poster	573: Asking Friendly Strangers: Non-Semantic Attribute Transfer	Nils Murrugarra-Llerena, Adriana Kovashka
Poster	2449: Zero-Shot Learning With Attribute Selection	Yuchen Guo, Guiguang Ding, Jungong Han, Sheng Tang
Tech Session 5: Language and Learning (NLPML) (NLPKR) (NLPTM)		Mon 2-3:30, Magazine
Oral	4446: Spectral Word Embedding with Negative Sampling	Behrouz Haji Soleimani, Stan Matwin
Oral	1082: Table-to-Text Generation by Structure-Aware Seq2seq Learning	Tianyu Liu, Kexiang Wang, Lei Sha, Baobao Chang, Zhifang Sui
Oral	1594: Hierarchical Recurrent Attention Network for Response Generation	Chen Xing, Yu Wu, Wei Wu, Yalou Huang, Ming Zhou
Oral	1563: Generative Adversarial Network Based Heterogeneous Bibliographic Network Representation for Personalized Citation Recommendation	Xiaoyan Cai, Junwei Han, Libin Yang
Poster	2890: Improving Variational Encoder-Decoders in Dialogue Generation	Xiaoyu Shen, Hui Su, Shuzi Niu, Vera Demberg
Poster	1397: Tree-Structured Neural Machine for Linguistics-Aware Sentence Generation	Ganbin Zhou, Ping Luo, Rongyu Cao, Yijun Xiao, Fen Lin, Bo Chen, Qing He
Poster	3134: Learning Sentiment-Specific Word Embedding via Global Sentiment Representation	Peng Fu, Zheng Lin, Fengcheng Yuan, Weiping Wang, Dan Meng
Poster	3555: Targeted Aspect-Based Sentiment Analysis via Embedding Commonsense Knowledge into an Attentive LSTM	Yukun Ma, Haiyun Peng, Erik Cambria

Poster	3802: Using k-way Co-occurrences for Learning Word Embeddings	Danushka Bollegala, Yuichi Yoshida, Ken-ichi Kawarabayashi
Poster	3224: Deep Semantic Role Labeling With Self-Attention	Zhixing Tan, Mingxuan Wang, Jun Xie, Yidong Chen, Xiaodong Shi
Poster	2060: Training and Evaluating Improved Dependency-Based Word Embeddings	Chen Li, Jianxin Li, Yangqiu Song, Ziwei Lin
	Tech Session 6: Planning and Scheduling (PS) (HSO) (GPIE) (MAS) (APP) (SCS)	Mon 2-3:30, Commerce
Oral	1956: Sublinear Search Spaces for Shortest Path Planning in Grid and Road Networks	Johannes Blum, Stefan Funke, Sabine Storandt
Oral	1907: Risk-Aware Proactive Scheduling via Conditional Value-at-Risk	Wen Song, Donghun Kang, Jie Zhang, Hui Xi
Oral	2877: Classical Planning in Deep Latent Space: Bridging the Subsymbolic-Symbolic Boundary	Masataro Asai, Alex Fukunaga
Oral	3443: An AI Planning Solution to Scenario Generation for Enterprise Risk Management	Shirin Sohrabi, Anton V. Riabov, Michael Katz, Octavian Udrea
Oral	4151: Minesweeper with Limited Moves	Serge Gaspers, Stefan Rümmele, Abdallah Saffidine, Kevin Tran
Poster	2903: Scheduling in Visual Fog Computing: NP-Completeness and Practical Efficient Solutions	Hong-Min Chu, Shao-Wen Yang, Padmanabhan Pillai, Yen-Kuang Chen
Poster	567: Asymmetric Action Abstractions for Multi-Unit Control in Adversarial Real-Time Games	Rubens O. Moraes, Levi H. S. Lelis
Poster	4579: Towards Generalization in QBF Solving via Machine Learning	Mikoláš Janota
Poster	2807: Preallocation and Planning Under Stochastic Resource Constraints	Frits de Nijs, Matthijs T. J. Spaan, Mathijs M. de Weerd
Poster	3933: Multiagent Connected Path Planning: PSPACE-Completeness and How to Deal With It	Davide Tateo, Jacopo Banfi, Alessandro Riva, Francesco Amigoni, Andrea Bonarini
Poster	1451: Integrated Cooperation and Competition in Multi-Agent Decision-Making	Kyle Hollins Wray, Akshat Kumar, Shlomo Zilberstein
	Tech Session 7: Machine Learning (ML)	Mon 2-3:30, Canal
Oral	3191: Compact Multi-Label Learning	Xiaobo Shen, Weiwei Liu, Ivor W. Tsang, Quan-Sen Sun, Yew-Soon Ong
Oral	1174: Distant-Supervision of Heterogeneous Multitask Learning for Social Event Forecasting With Multilingual Indicators	Liang Zhao, Junxiang Wang, Xiaojie Guo
Oral	177: Multi-Adversarial Domain Adaptation	Zhongyi Pei, Zhangjie Cao, Mingsheng Long, Jianmin Wang
Oral	1201: Information-Theoretic Domain Adaptation Under Severe Noise Conditions	Wei Wang, Hao Wang, Zhi-Yong Ran, Ran He
Oral	1111: Statistical Inference Using SGD	Tianyang Li, Liu Liu, Anastasios Kyrillidis, Constantine Caramanis
Poster	3369: AutoEncoder by Forest	Ji Feng, Zhi-Hua Zhou
Poster	2881: MERCS: Multi-Directional Ensembles of Regression and Classification Trees	Elia Van Wolputte, Evgeniya Korneva, Hendrik Blockeel
Poster	579: Hypergraph p-Laplacian: A Differential Geometry View	Shota Saito, Danilo P. Mandic, Hideyuki Suzuki
Poster	3729: Characterization of the Convex Łukasiewicz Fragment for Learning From Constraints	Francesco Giannini, Michelangelo Diligenti, Marco Gori, Marco Maggini
Poster	1885: Weighted Multi-View Spectral Clustering Based on Spectral Perturbation	Linlin Zong, Xianchao Zhang, Xinyue Liu, Hong Yu
Poster	1700: Automatic Model Selection in Subspace Clustering via Triplet Relationships	Jufeng Yang, Jie Liang, Kai Wang, Yong-Liang Yang, Ming-Ming Cheng
Poster	8: Balanced Clustering via Exclusive Lasso: A Pragmatic Approach	Zhihui Li, Feiping Nie, Xiaojun Chang, Zhigang Ma, Yi Yang
	Tech Session 8: AI and the Web (AIW) (MLA) (NLPTM)	Mon 2-3:30, Royal
Oral	1093: Location-Sensitive User Profiling Using Crowdsourced Labels	Wei Niu, James Caverlee, Haokai Lu
Oral	4415: Personalized Time-Aware Tag Recommendation	Keqiang Wang, Yuanyuan Jin, Haofen Wang, Hongwei Peng, Xiaoling Wang
Oral	94: RSDNE: Exploring Relaxed Similarity and Dissimilarity from Completely-Imbalanced Labels for Network Embedding	Zheng Wang, Xiaojun Ye, Chaokun Wang, Yuexin Wu, Changping Wang, Kaiwen Liang
Oral	2030: Structural Deep Embedding for Hyper-Networks	Ke Tu, Peng Cui, Xiao Wang, Fei Wang, Wenwu Zhu
Poster	3768: On Validation and Predictability of Digital Badges' Influence on Individual Users	Tomasz Kuśmierczyk, Kjetil Nørvg
Poster	1414: Dynamic User Profiling for Streams of Short Texts	Shangsong Liang
Poster	1181: From Common to Special: When Multi-Attribute Learning Meets Personalized Opinions	Zhiyong Yang, Qianqian Xu, Xiaochun Cao, Qingming Huang
Poster	3181: Confidence-Aware Matrix Factorization for Recommender Systems	Chao Wang, Qi Liu, Runze Wu, Enhong Chen, Chuanren Liu, Xunpeng Huang, Zhenya Huang
Poster	2357: Telepath: Understanding Users from a Human Vision Perspective in Large-Scale Recommender Systems	Yu Wang, Jixing Xu, Aohan Wu, Mantian Li, Yang He, Jinghe Hu, Weipeng P. Yan
Poster	2423: Privacy Preserving Point-of-Interest Recommendation Using Decentralized Matrix Factorization	Chaochao Chen, Ziqi Liu, Peilin Zhao, Jun Zhou, Xiaolong Li
Poster	749: WalkRanker: A Unified Pairwise Ranking Model With Multiple Relations for Item Recommendation	Lu Yu, Chuxu Zhang, Shichao Pei, Guolei Sun, Xiangliang Zhang
	Tech Session 9: Deep Learning and Bayesian Methods (ML) (NLPML) (AIW)	Mon 2-3:30, Camp
Oral	615: Adversarial Learning of Portable Student Networks	Yunhe Wang, Chang Xu, Chao Xu, Dacheng Tao
Oral	2334: Bayesian Functional Optimization	Ngo Anh Vien, Heiko Zimmermann, Marc Toussaint
Oral	2221: Decentralized High-Dimensional Bayesian Optimization With Factor Graphs	Trong Nghia Hoang, Quang Minh Hoang, Ruofei Ouyang, Kian Hsiang Low

Oral	2016: Flow-GAN: Combining Maximum Likelihood and Adversarial Learning in Generative Models	Aditya Grover, Manik Dhar, Stefano Ermon
Oral	2384: Efficient Architecture Search by Network Transformation	Han Cai, Tianyao Chen, Weinan Zhang, Yong Yu, Jun Wang
Poster	3507: Leaf-Smoothed Hierarchical Softmax for Ordinal Prediction	Wesley Tansey, Karl Pichotta, James G. Scott
Poster	4187: Efficient K-Shot Learning With Regularized Deep Networks	Donghyun Yoo, Haoqi Fan, Vishnu Naresh Boddeti, Kris M. Kitani
Poster	3565: Lattice Recurrent Unit: Improving Convergence and Statistical Efficiency for Sequence Modeling	Chaitanya Ahuja, Louis-Philippe Morency
Poster	1067: A Continuous Relaxation of Beam Search for End-to-End Training of Neural Sequence Models	Kartik Goyal, Graham Neubig, Chris Dyer, Taylor Berg-Kirkpatrick
Poster	1633: Long-Term Image Boundary Prediction	Apratim Bhattacharyya, Mateusz Malinowski, Bernt Schiele, Mario Fritz
Poster	738: CA-RNN: Using Context-Aligned Recurrent Neural Networks for Modeling Sentence Similarity	Qin Chen, Qinmin Hu, Jimmy Xiangji Huang, Liang He
Poster	2629: Neural Machine Translation with Gumbel-Greedy Decoding	Jiatao Gu, Daniel Jiwoong Im, Victor O.K. Li
	Tech Session 10: Search and Machine Learning (ML) (HSO) (SCS)	Mon 2-3:30, Grand Salon 3
Oral	335: Large Scale Constrained Linear Regression Revisited: Faster Algorithms via Preconditioning	Di Wang, Jinhui Xu
Oral	3474: On Multiset Selection With Size Constraints	Chao Qian, Yibo Zhang, Ke Tang, Xin Yao
Oral	4275: Tau-FPL: Tolerance-Constrained Learning in Linear Time	Ao Zhang, Nan Li, Jian Pu, Jun Wang, Junchi Yan, Hongyuan Zha
Oral	778: Orthant-Wise Passive Descent Algorithms for Training L1-Regularized Models	Jianqiao Wangni
Oral	3657: On Data-Dependent Random Features for Improved Generalization in Supervised Learning	Shahin Shahrapour, Ahmad Beirami, Vahid Tarokh
Poster	2431: An Efficient, Expressive and Local Minima-Free Method for Learning Controlled Dynamical Systems	Ahmed Hefny, Carlton Downey, Geoffrey Gordon
Poster	877: Human Guided Linear Regression With Feature-Level Constraints	Aubrey Gress, Ian Davidson
Poster	2589: Inexact Proximal Gradient Methods for Non-Convex and Non-Smooth Optimization	Bin Gu, De Wang, Zhouyuan Huo, Heng Huang
Poster	3084: Non-Discriminatory Machine Learning Through Convex Fairness Criteria	Naman Goel, Mohammad Yaghini, Boi Faltings
Poster	1989: Quantized Memory-Augmented Neural Networks	Seongsik Park, Seijoon Kim, Seil Lee, Ho Bae, Sungroh Yoon
Poster	2999: Adaptive Quantization for Deep Neural Network	Yiren Zhou, Seyed-Mohsen Moosavi-Dezfooli, Ngai-Man Cheung, Pascal Frossard
Poster	2400: Labeled Memory Networks for Online Model Adaptation	Shiv Shankar, Sunita Sarawagi
	Tech Session 11: Learning and Stochastic Processes (ML) (MLA) (APP) (RU)	Mon 2-3:30, Grand Salon 9
Oral	2512: Coupled Poisson Factorization Integrated With User/Item Metadata for Modeling Popular and Sparse Ratings in Scalable Recommendation	Trong Dinh Thac Do, Longbing Cao
Oral	2044: Learning Vector Autoregressive Models With Latent Processes	Saber Salehkaleybar, Jalal Etesami, Negar Kiyavash, Kun Zhang
Oral	1780: Core Dependency Networks	Alejandro Molina, Alexander Munteanu, Kristian Kersting
Oral	1465: Dynamic Determinantal Point Processes	Takayuki Osogami, Rudy Raymond, Akshay Goel, Tomoyuki Shirai, Takanori Maehara
Oral	4054: A Neural Stochastic Volatility Model	Rui Luo, Weinan Zhang, Xiaojun Xu, Jun Wang
Poster	322: Reduced-Rank Linear Dynamical Systems	Qi She, Yuan Gao, Kai Xu, Rosa H. M. Chan
Poster	2178: Predicting Vehicular Travel Times by Modeling Heterogeneous Influences Between Arterial Roads	Avinash Achar, Venkatesh Sarangan, Rohith Regikumar, Anand Sivasubramaniam
Poster	2034: When Will You Arrive? Estimating Travel Time Based on Deep Neural Networks	Dong Wang, Junbo Zhang, Wei Cao, Jian Li, Yu Zheng
Poster	224: Proper Loss Functions for Nonlinear Hawkes Processes	Aditya Krishna Menon, Young Lee
Poster	2245: A Framework for Multistream Regression With Direct Density Ratio Estimation	Ahsanul Haque, Hemeng Tao, Swarup Chandra, Jie Liu, Latifur Khan
Poster	4506: Synthesis of Programs from Multimodal Datasets	Shantanu Thakoor, Simoni Shah, Ganesh Ramakrishnan, Amitabha Sanyal
Poster	1496: Differential Performance Debugging With Discriminant Regression Trees	Saeid Tizpaz-Niari, Pavol Cerny, Bor-Yuh Evan Chang, Ashutosh Trivedi
	AAAI-18 Senior Member Track: Blue Sky Papers	Tue 2-3:15, Port/Starboard, Riverside Complex
	Engineering Pro-Sociality with Autonomous Agents	Ana Paiva, Fernando P. Santos, Francisco C. Santos
	Learning Fast and Slow: Levels of Learning in General Autonomous Intelligent Agents	John E. Laird, Shiwali Mohan
	Imagination Machines: A New Challenge for Artificial Intelligence	Sridhar Mahadevan
	AI Meets Chemistry	Akihiro Kishimoto, Beat Buesser, Adi Botea
	Clustering - What Both Theoreticians and Practitioners Are Doing Wrong	Shai Ben-David
	IAAI-18: Supporting Government Services	Mon 2-3:30, Jackson
	SmartHS: An AI Platform for Improving Government Service Provision (Deployed)	Yongqing Zheng, Han Yu, Lizhen Cui, Chunyan Miao, Cyril Leung, Qiang Yang
	SPOT Poachers in Action: Augmenting Conservation Drones With Automatic Detection in Near Real Time	Elizabeth Bondi, Fei Fang, Mark Hamilton, Debarun Kar, Donnabell Dmello, Jongmoo Choi, Robert Hannaford, Arvind Iyer, Lucas Joppa, Milind Tambe, Ram Nevatia

	Assessing National Development Plans for Alignment With Sustainable Development Goals via Semantic Search	Jonathan Galsurkar, Moninder Singh, Lingfei Wu, Aditya Vempaty, Mikhail Sushkov, Devika Iyer, Serge Kapto, Kush R. Varshney
	Novel Exploration Techniques (NETs) for Malaria Policy Interventions	Oliver Bent, Sekou L. Remy, Stephen Roberts, Aisha Walcott-Bryant

4:00 - 5:00pm

	Tech Session 1: HAIC Invited Talks (30 minutes each)	Mon 4-5, Ballroom A
	Improving Reinforcement Learning with Human Input	Matt Taylor
	Towards Theory of AI's Mind	Devi Parikh
	Tech Session 2: Deep Learning and Reinforcement Learning (ML)	Mon 4-5, St. James
Oral	3817: Teaching a Machine to Read Maps With Deep Reinforcement Learning	Gino Brunner, Oliver Richter, Yuyi Wang, Roger Wattenhofer
Oral	1757: Deep Q-learning From Demonstrations	Todd Hester, Matej Vecerik, Olivier Pietquin, Marc Lanctot, Tom Schaul, Bilal Piot, Dan Horgan, John Quan, Andrew Sendonaris, Ian Osband, Gabriel Dulac-Arnold, John Agapiou, Joel Z. Leibo, Audrunas Gruslys
Oral	2062: Reinforced Multi-Label Image Classification by Exploring Curriculum	Shiyi He, Chang Xu, Tianyu Guo, Chao Xu, Dacheng Tao
Poster	2258: Deep Reinforcement Learning That Matters	Peter Henderson, Riashat Islam, Philip Bachman, Joelle Pineau, Doina Precup, David Meger
Poster	1226: Transferable Contextual Bandit for Cross-Domain Recommendation	Bo Liu, Ying Wei, Yu Zhang, Zhixian Yan, Qiang Yang
	Tech Session 3: Multiagent Systems (MAS) (GTEP)	Mon 4-5, Fulton
Oral	2650: Policy Learning for Continuous Space Security Games Using Neural Networks	Nitin Kamra, Umang Gupta, Fei Fang, Yan Liu, Milind Tambe
Oral	4503: Dynamic Pricing for Reusable Resources in Competitive Market With Stochastic Demand	Jiang Rong, Tao Qin, Bo An
Oral	2402: Reinforcement Mechanism Design for Fraudulent Behaviour in e-Commerce	Qingpeng Cai, Aris Filos-Ratsikas, Pingzhong Tang, Yiwei Zhang
Oral	3913: Decentralised Learning in Systems With Many, Many Strategic Agents	David Mguni, Joel Jennings, Enrique Munoz de Cote
	Tech Session 4: Vision (VIS) (MLA) (ML)	Mon 4-5, Newberry/Ascot
Oral	19: Scene-Centric Joint Parsing of Cross-View Videos	Hang Qi, Yuanlu Xu, Tao Yuan, Tianfu Wu, Song-Chun Zhu
Oral	1016: Double Forward Propagation for Memorized Batch Normalization	Yong Guo, Qingyao Wu, Chaorui Deng, Jian Chen, Minghui Tan
Oral	3759: Learning Generative Neural Networks for 3D Colorization	Zhenpei Yang, Lihang Liu, Qixing Huang
Poster	2974: Compatibility Family Learning for Item Recommendation and Generation	Yong-Siang Shih, Kai-Yueh Chang, Hsuan-Tien Lin, Sun Min
Poster	962: Mesh-Based Autoencoders for Localized Deformation Component Analysis	Qingyang Tan, Lin Gao, Yu-Kun Lai, Jie Yang, Shihong Xia
Poster	4337: Using Syntax to Ground Referring Expressions in Natural Images	Volkan Cirik, Taylor Berg-Kirkpatrick, Louis-Philippe Morency
Poster	2520: Adaptive Feature Abstraction for Translating Video to Text	Yunchen Pu, Martin Renqiang Min, Zhe Gan, Lawrence Carin
Poster	1045: Curve-Structure Segmentation From Depth Maps: A CNN-Based Approach and Its Application to Exploring Cultural Heritage Objects	Yuhang Lu, Jun Zhou, Jing Wang, Jun Chen, Karen Smith, Colin Wilder, Song Wang
Poster	132: PoseHD: Boosting Human Detectors Using Human Pose Information	Zhijian Liu, Bowen Pan, Yuliang Xiu, Cewu Lu
Poster	3950: Discriminative Semi-Coupled Projective Dictionary Learning for Low-Resolution Person Re-Identification	Kai Li, Zhengming Ding, Sheng Li, Yun Fu
	Tech Session 5: Deep Learning (ML)	Mon 4-5, Magazine
Oral	358: From Hashing to CNNs: Training Binary Weight Networks via Hashing	Qinghao Hu, Peisong Wang, Jian Cheng
Oral	2554: Training CNNs With Normalized Kernels	Mete Ozay, Takayuki Okatani
Oral	2369: DarkRank: Accelerating Deep Metric Learning via Cross Sample Similarities Transfer	Yuntao Chen, Naiyan Wang, Zhaoxiang Zhang
Poster	2590: Regularizing Deep Networks Using Efficient Layerwise Adversarial Training	Swami Sankaranarayanan, Arpit Jain, Rama Chellappa, Ser Nam Lim
Poster	320: Rocket Launching: A Universal and Efficient Framework for Training Well-Performing Light Net	Guorui Zhou, Ying Fan, Runpeng Cui, Weijie Bian, Xiaoqiang Zhu, Kun Gai
Poster	944: Extremely Low Bit Neural Network: Squeeze the Last Bit Out With ADMM	Cong Leng, Zesheng Dou, Hao Li, Shenghuo Zhu, Rong Jin
Poster	2737: Building Deep Networks on Grassmann Manifolds	Zhiwu Huang, Jiqing Wu, Luc Van Gool
Poster	1731: Deep Neural Network Compression With Single and Multiple Level Quantization	Yuhui Xu, Yongzhuang Wang, Aojun Zhou, Weiyao Lin, Hongkai Xiong
Poster	901: Joint Learning of Set Cardinality and State Distribution	S. Hamid Rezatofighi, Anton Milan, Qinfeng Shi, Anthony Dick, Ian Reid
Poster	845: Predictive Coding Machine for Compressed Sensing and Image Denoising	Jun Li, Hongfu Liu, Yun Fu
	Tech Session 6: Heuristic Search (HSO) (ML) (PS)	Mon 4-5, Commerce
Oral	1792: Revisiting Immediate Duplicate Detection in External Memory Search	Shunji Lin, Alex Fukunaga
Oral	860: Avoiding Dead Ends in Real-Time Heuristic Search	Bence Cserna, William J. Doyle, Jordan S. Ramsdell, Wheeler Ruml
Oral	2196: Expressive Real-Time Intersection Scheduling	Rick Goldstein, Stephen F. Smith

Poster	3414: On the Time and Space Complexity of Genetic Programming for Evolving Boolean Conjunctions	Andrei Lissovoi, Pietro S. Oliveto
Poster	914: Accelerated Best-First Search With Upper-Bound Computation for Submodular Function Maximization	Shinsaku Sakaue, Masakazu Ishihata
Poster	481: Proximal Alternating Direction Network: A Globally Converged Deep Unrolling Framework	Risheng Liu, Xin Fan, Shichao Cheng, Xiangyu Wang, Zhongxuan Luo
Poster	1812: Locality Preserving Projection Based on F-norm	Xiangjie Hu, Yanfeng Sun, Junbin Gao, Yongli Hu, Baocai Yin
Poster	1577: Efficiently Monitoring Small Data Modification Effect for Large-Scale Learning in Changing Environment	Hiroyuki Hanada, Atsushi Shibagaki, Jun Sakuma, Ichiro Takeuchi
Poster	1336: MDP-Based Cost Sensitive Classification Using Decision Trees	Shlomi Maliah, Guy Shani
Tech Session 7: Uncertainty in AI (RU) (ML)		Mon 4-5, Canal
Oral	2709: Approximate Inference via Weighted Rademacher Complexity	Jonathan Kuck, Ashish Sabharwal, Stefano Ermon
Oral	646: Risk-Sensitive Submodular Optimization	Bryan Wilder
Oral	1866: Towards Training Probabilistic Topic Models on Neuromorphic Multi-Chip Systems	Zihao Xiao, Jianfei Chen, Jun Zhu
Poster	3327: Information Acquisition Under Resource Limitations in a Noisy Environment	Matvey Soloviev, Joseph Y. Halpern
Poster	2993: On Controlling the Size of Clusters in Probabilistic Clustering	Aditya Jitta, Arto Klami
Poster	1747: Nonconvex Sparse Spectral Clustering by Alternating Direction Method of Multipliers and Its Convergence Analysis	Canyi Lu, Jiashi Feng, Zhouchen Lin, Shuicheng Yan
Poster	2239: Efficient Multi-Dimensional Tensor Sparse Coding Using t-Linear Combination	Fei Jiang, Xiao-Yang Liu, Hongtao Lu, Ruimin Shen
Poster	334: Unsupervised Personalized Feature Selection	Jundong Li, Liang Wu, Harsh Dani, Huan Liu
Poster	1498: An Euclidean Distance Based on Tensor Product Graph Diffusion Related Attribute Value Embedding for Nominal Data Clustering	Lei Gu, Ningning Zhou, Yang Zhao
Poster	2390: Sparse Modeling-Based Sequential Ensemble Learning for Effective Outlier Detection in High-Dimensional Numeric Data	Guansong Pang, Longbing Cao, Ling Chen, Defu Lian, Huan Liu
Tech Session 8: Machine Learning Methods and Applications (ML) (MLA) (APP) (HAI) (NLPML) (VIS)		Mon 4-5, Royal
Oral	3214: WiFi-Based Human Identification via Convex Tensor Shapelet Learning	Han Zou, Yuxun Zhou, Jianfei Yang, Weixi Gu, Lihua Xie, Costas J. Spanos
Oral	3442: Dependence Guided Unsupervised Feature Selection	Jun Guo, Wenwu Zhu
Oral	1596: A Spherical Hidden Markov Model for Semantics-Rich Human Mobility Modeling	Wanzheng Zhu, Chao Zhang, Shuochao Yao, Xiaobin Gao, Jiawei Han
Poster	1165: Deep Multi-View Spatial-Temporal Network for Taxi Demand Prediction	Huaxiu Yao, Fei Wu, Jintao Ke, Xianfeng Tang, Yitian Jia, Siyu Lu, Pinghua Gong, Jieping Ye, Zhenhui Li
Poster	1613: CD-CNN: A Partially Supervised Cross-Domain Deep Learning Model for Urban Resident Recognition	Jingyuan Wang, Xu He, Ze Wang, Junjie Wu, Nicholas Jing Yuan, Xing Xie, Zhang Xiong
Poster	1338: Modeling Scientific Influence for Research Trending Topic Prediction	Chengyao Chen, Zhitao Wang, Wenjie Li, Xu Sun
Poster	340: Multi-Step Time Series Generator for Molecular Dynamics	Katsuhiko Endo, Katsufumi Tomobe, Kenji Yasuoka
Poster	2933: Proposition Entailment in Educational Applications using Deep Neural Networks	Florin Adrian Bulgarov, Rodney Nielsen
Poster	84: Game of Sketches: Deep Recurrent Models of Pictionary-Style Word Guessing	Ravi Kiran Sarvadevabhatla, Shiv Surya, Trisha Mittal, R. Venkatesh Babu
Poster	2694: Sequence-to-Sequence Learning via Shared Latent Representation	Xu Shen, Xinmei Tian, Jun Xing, Yong Rui, Dacheng Tao
Tech Session 9: Robotics (ROB) (HAC) (NLPML) (VIS)		Mon 4-5, Camp
Oral	2011: Guiding Exploratory Behaviors for Multi-Modal Grounding of Linguistic Descriptions	Jesse Thomason, Jivko Sinapov, Raymond J. Mooney, Peter Stone
Oral	3637: Guiding Search in Continuous State-Action Spaces by Learning an Action Sampler From Off-Target Search Experience	Beomjoon Kim, Leslie Pack Kaelbling, Tomás Lozano-Pérez
Oral	642: Safe Exploration and Optimization of Constrained MDPs Using Gaussian Processes	Akifumi Wachi, Yanan Sui, Yisong Yue, Masahiro Ono
Poster	4012: Interactively Learning a Blend of Goal-Based and Procedural Tasks	Aaron Mininger, John E. Laird
Poster	143: Tracking Occluded Objects and Recovering Incomplete Trajectories by Reasoning About Containment Relations and Human Actions	Wei Liang, Yixin Zhu, Song-Chun Zhu
Poster	3990: From Virtual Demonstration to Real-World Manipulation Using LSTM and MDN	Rouhollah Rahmatizadeh, Pooya Abolghasemi, Aman Behal, Ladislav Böllóni
Poster	2215: Learning Integrated Holism-Landmark Representations for Long-Term Loop Closure Detection	Fei Han, Hua Wang, Hao Zhang
Poster	1329: Iterative Continuous Convolution for 3D Template Matching and Global Localization	Vitor Guizilini, Fabio Ramos
Poster	4474: Building Continuous Occupancy Maps With Moving Robots	Ransalu Senanayake, Fabio Ramos
Poster	2246: Improved Results for Minimum Constraint Removal	Eduard Eiben, Jonathan Gemmel, Iyad Kanj, Andrew Youngdahl
Tech Session 10: Unsupervised and Online Learning (ML)		Mon 4-5, Grand Salon 3
Oral	3421: Online Learning for Structured Loss Spaces	Siddharth Barman, Aditya Gopalan, Aadirupa Saha
Oral	2346: Budget-Constrained Multi-Armed Bandits With Multiple Plays	Datong P. Zhou, Claire J. Tomlin

Oral	2302: Matrix Variate Gaussian Mixture Distribution Steered Robust Metric Learning	Lei Luo, Heng Huang
Poster	4075: Nonparametric Stochastic Contextual Bandits	Melody Y. Guan, Heinrich Jiang
Poster	2326: Online Clustering of Contextual Cascading Bandits	Shuai Li, Shengyu Zhang
Poster	250: Perception Coordination Network: A Framework for Online Multi-Modal Concept Acquisition and Binding	You-Lu Xing, Fu-Rao Shen, Jin-Xi Zhao, Jing-Xin Pan, Ah-Hwee Tan
Poster	3193: On Convergence of Epanechnikov Mean Shift	Kejun Huang, Xiao Fu, Nicholas D. Sidiropoulos
Poster	1125: Stochastic Non-Convex Ordinal Embedding With Stabilized Barzilai-Borwein Step Size	Ke Ma, Jinshan Zeng, Jiechao Xiong, Qianqian Xu, Xiaochun Cao, Wei Liu, Yuan Yao
Poster	3825: DID: Distributed Incremental Block Coordinate Descent for Nonnegative Matrix Factorization	Tianxiang Gao, Chris Chu
Poster	328: Robust Formulation for PCA: Avoiding Mean Calculation With $L_{2,p}$ -norm Maximization	Shuangli Liao, Jin Li, Yang Liu, Quanyue Gao, Xinbo Gao
IAAI-18: Utilities and Transportation		Mon 4-5, Jackson
	A Water Demand Prediction Model for Central Indiana	Setu Shah, Mahmood Hosseini, Zina Ben Miled, Rebecca Shafer, Steve Berube
	Optimal Pricing for Distance-Based Transit Farese	Richard Hoshino, Jeneva Bearisto
	Upping the Game of Taxi Driving in the Age of Uber	Shashi Shekhar Jha, Shih-Fen Cheng, Meghna Lowalekar, Nicholas Wong, Rishikeshan Rajendram, Trong Khiem Tran, Pradeep Varakantham, Nghia Truong Trong, Firmansyah Bin Abd Rahman
	Bandit-Based Solar Panel Control	David Abel, Edward C. Williams, Stephen Brawner, Emily Reif, Michael L. Littman
4:00 - 6:00pm		
	AAAI	Mon 4-6, The District / Jefferson Ballroom
	AI Job Fair	
5:00 - 6:00pm		
	AAAI	Mon 5:00-6:00, Grand Ballroom
	AAAI-18 / IAAI-18 Joint Invited Talk: Probabilistic Machine Learning and AI	Zoubin Ghahramani
6:30 - 8:30pm		
	AAAI	Mon 6:30-8:30, Grand Salon
	AAAI-18 Poster / Demo Session 2	

Tuesday, February 6

8:30 - 8:50am		
	AAAI	Tue 8:30-8:50, Grand Ballroom
	AAAI-18 Conference Awards	Sheila McIlraith and Kilian Weinberger
8:50 - 9:50am		
	AAAI	Tue 8:50-9:50, Grand Ballroom
	AAAI-18 Invited Talk: Fair Questions	Cynthia Dwork
10:00 - 11:00am		
	Tech Session 1: Transfer, Adaptation, Multitask Learning (ML) (AIW) (NLPTM) (VIS)	Tue 10-11, Jefferson
Oral	2428: Selective Experience Replay for Lifelong Learning	David Isele, Akansel Cosgun
Oral	1393: Hierarchical Attention Transfer Network for Cross-Domain Sentiment Classification	Zheng Li, Ying Wei, Yu Zhang, Qiang Yang
Oral	1544: Domain Generalization via Conditional Invariant Representations	Ya Li, Mingming Gong, Xinmei Tian, Tongliang Liu, Dacheng Tao
Poster	764: Unsupervised Domain Adaptation With Distribution Matching Machines	Yue Cao, Mingsheng Long, Jianmin Wang
Poster	1874: Wasserstein Distance Guided Representation Learning for Domain Adaptation	Jian Shen, Yanru Qu, Weinan Zhang, Yong Yu
Poster	246: Learning to Generalize: Meta-Learning for Domain Generalization	Da Li, Yongxin Yang, Yi-Zhe Song, Timothy M. Hospedales
Poster	112: Batchwise Patching of Classifiers	Sebastian Kauschke, Johannes Fürnkranz
Poster	1522: Domain-Shared Group-Sparse Dictionary Learning for Unsupervised Domain Adaptation	Baoyao Yang, Andy J. Ma, Pong C. Yuen
Poster	1086: Deep Asymmetric Transfer Network for Unbalanced Domain Adaptation	Daixin Wang, Peng Cui, Wenwu Zhu
Poster	1635: Dynamic Network Embedding by Modeling Triadic Closure Process	Lekui Zhou, Yang Yang, Xiang Ren, Fei Wu, Yueting Zhuang
	Tech Session 2: Reinforcement Learning and Policy Learning (ML) (PS) (HAC) (ROB)	Tue 10-11, St. James
Oral	3812: Counterfactual Multi-Agent Policy Gradients	Jakob N. Foerster, Gregory Farquhar, Triantafyllos Afouras, Nantas Nardelli, Shimon Whiteson
Oral	3532: Rainbow: Combining Improvements in Deep Reinforcement Learning	Matteo Hessel, Joseph Modayil, Hado van Hasselt, Tom Schaul, Georg Ostrovski, Will Dabney, Dan Horgan, Bilal Piot, Mohammad Azar, David Silver

Oral	4202: Safe Reinforcement Learning via Formal Methods: Toward Safe Control Through Proof and Learning	Nathan Fulton, André Platzer
Oral	3456: Toward Deep Reinforcement Learning Without a Simulator: An Autonomous Steering Example	Bar Hilleli, Ran El-Yaniv
	Tech Session 3: Game Theory and Economic Paradigms (GTEP) (MAS) (MLA)	Tue 10-11, Fulton
Oral	3309: Knowledge, Fairness, and Social Constraints	Haris Aziz, Sylvain Bouveret, Ioannis Caragiannis, Ira Giagkousi, Jérôme Lang
Oral	3076: Single-Peakedness and Total Unimodularity: New Polynomial-Time Algorithms for Multi-Winner Elections	Dominik Peters
Oral	3068: Modelling Iterative Judgment Aggregation	Zoi Terzopoulou, Ulle Endriss
Poster	1320: An Axiomatization of the Eigenvector and Katz Centralities	Tomasz Wąs, Oskar Skibski
Poster	1382: A Combinatorial-Bandit Algorithm for the Online Joint Bid/Budget Optimization of Pay-per-Click Advertising Campaigns	Alessandro Nura, Francesco Trovò, Nicola Gatti, Marcello Restelli
	Tech Session 4: Language, Learning and Representation (NLPML) (NLPKR) (NLPMT)	Tue 10-11, Newberry/Ascot
Oral	344: A Neural Transition-Based Approach for Semantic Dependency Graph Parsing	Yuxuan Wang, Wanxiang Che, Jiang Guo, Ting Liu
Oral	2141: Knowledge-Based Word Sense Disambiguation using Topic Models	Devendra Singh Chaplot, Ruslan Salakhutdinov
Oral	1369: Faithful to the Original: Fact Aware Neural Abstractive Summarization	Ziqiang Cao, Furu Wei, Wenjie Li, Sujian Li
Poster	1092: AMR Parsing With Cache Transition Systems	Xiaochang Peng, Daniel Gildea, Giorgio Satta
Poster	3723: Jointly Parse and Fragment Ungrammatical Sentences	Homa B. Hashemi, Rebecca Hwa
Poster	3970: Generalizing and Improving Bilingual Word Embedding Mappings with a Multi-Step Framework of Linear Transformations	Mikel Artetxe, Gorka Labaka, Eneko Agirre
Poster	3701: Learning Better Name Translation for Cross-Lingual Wikification	Chen-Tse Tsai, Dan Roth
Poster	3372: Event Detection via Gated Multilingual Attention Mechanism	Jian Liu, Yubo Chen, Kang Liu, Jun Zhao
Poster	2598: Multi-Entity Aspect-Based Sentiment Analysis With Context, Entity and Aspect Memory	Jun Yang, Runqi Yang, Chongjun Wang, Junyuan Xie
Poster	1282: Learning Structured Representation for Text Classification via Reinforcement Learning	Tianyang Zhang, Minlie Huang, Li Zhao
	Tech Session 5: Reasoning under Uncertainty (RU) (AIW) (ML)	Tue 10-11, Magazine
Oral	1551: Anytime Anyspace AND/OR Best-First Search for Bounding Marginal MAP	Qi Lou, Rina Dechter, Alexander Ihler
Oral	1400: Efficient UCBV: An Almost Optimal Algorithm Using Variance Estimates	Subhojyoti Mukherjee, K. P. Naveen, Nandan Sudarsanam, Balaraman Ravindran
Oral	2281: Hawkes Process Inference With Missing Data	Christian R. Shelton, Zhen Qin, Chandini Shetty
Poster	3092: Optimal Approximation of Random Variables for Estimating the Probability of Meeting a Plan Deadline	Liat Cohen, Tal Grinshpoun, Gera Weiss
Poster	713: Consistent and Specific Multi-View Subspace Clustering	Shirui Luo, Changqing Zhang, Wei Zhang, Xiaochun Cao
Poster	751: Dual Deep Neural Networks Cross-Modal Hashing	Zhen-Duo Chen, Wan-Jin Yu, Chuan-Xiang Li, Liqiang Nie, Xin-Shun Xu
	Tech Session 6: Activity Recognition, Learning, and Applications (PS) (ML) (APP) (CM) (HAI) (HSO) (MAS) (MLA) (VIS)	Tue 10-11, Commerce
Oral	1582: Plan Recognition in Continuous Domains	Gal A. Kaminka, Mor Vered, Noa Agmon
Oral	1292: Sensor-Based Activity Recognition via Learning From Distributions	Hangwei Qian, Sinno Jialin Pan, Chunyan Miao
Oral	3493: Generating an Event Timeline About Daily Activities From a Semantic Concept Stream	Taiki Miyanishi, Jun-ichiro Hirayama, Takuya Maekawa, Motoaki Kawanabe
Poster	2073: Search Action Sequence Modeling With Long Short-Term Memory for Search Task Success Evaluation	Alin Fan, Ling Chen, Gencai Chen
Poster	4221: Dilated FCN for Multi-Agent 2D/3D Medical Image Registration	Shun Miao, Sebastien Piat, Peter Fischer, Ahmet Tuysuzoglu, Philip Mewes, Tommaso Mansi, Rui Liao
Poster	924: Cascade and Parallel Convolutional Recurrent Neural Networks on EEG-based Intention Recognition for Brain Computer Interface	Dalin Zhang, Lina Yao, Xiang Zhang, Sen Wang, Weitong Chen, Robert Boots, Boualem Benatallah
Poster	215: Unsupervised Articulated Skeleton Extraction From Point Set Sequences Captured by a Single Depth Camera	Xuequan Lu, Honghua Chen, Sai-Kit Yeung, Zhigang Deng, Wenzhi Chen
Poster	2177: Learning Nonlinear Dynamics in Efficient, Balanced Spiking Networks Using Local Plasticity Rules	Alireza Alemi, Christian K. Machens, Sophie Deneve, Jean-Jacques Slotine
Poster	2198: Streaming Non-Monotone Submodular Maximization: Personalized Video Summarization on the Fly	Baharan Mirzsoleiman, Stefanie Jegelka, Andreas Krause
	Tech Session 7: AI and the Web (AIW) (VIS) (HCC) (ML) (NLPML)	Tue 10-11, Canal
Oral	2875: Integrating Both Visual and Audio Cues for Enhanced Video Caption	Wangli Hao, Zhaoxiang Zhang, He Guan
Oral	3304: Inferring Emotion from Conversational Voice Data: A Semi-Supervised Multi-Path Generative Neural Network Approach	Suping Zhou, Jia Jia, Qi Wang, Yufei Dong, Yufeng Yin, Kehua Lei
Oral	1632: Retrieving and Classifying Affective Images via Deep Metric Learning	Jufeng Yang, Dongyu She, Yu-Kun Lai, Ming-Hsuan Yang
Poster	1656: Unsupervised Generative Adversarial Cross-Modal Hashing	Jian Zhang, Yuxin Peng, Mingkuan Yuan

Poster	726: Binary Generative Adversarial Networks for Image Retrieval	Jingkuan Song, Tao He, Lianli Gao, Xing Xu, Alan Hanjalic, Heng Tao Shen
Poster	4253: Listening to the World Improves Speech Command Recognition	Brian McMahan, Delip Rao
Poster	3265: Sentiment Analysis via Deep Hybrid Textual-Crowd Learning Model	Kamran Ghasedi Dizaji, Heng Huang
Poster	776: Weakly Supervised Collective Feature Learning From Curated Media	Yusuke Mukuta, Akisato Kimura, David B. Adrian, Zoubin Ghahramani
Poster	2033: Efficient Large-Scale Multi-Modal Classification	Douwe Kiela, Edouard Grave, Armand Joulin, Tomas Mikolov
Poster	1573: ROAR: Robust Label Ranking for Social Emotion Mining	Jason (Jiasheng) Zhang, Dongwon Lee
	Tech Session 8: Applications and the Web (AIW) (APP) (ML) (MLA) (MAS)	Tue 10-11, Royal
Oral	636: On Organizing Online Soirees with Live Multi-Streaming	Chih-Ya Shen, C. P. Kankeu Fotsing, De-Nian Yang, Yi-Shin Chen, Wang-Chien Lee
Oral	3983: Learning the Behavior of a Dynamical System Via a "20 Questions" Approach	Abhijin Adiga, Chris J. Kuhlman, Madhav V. Marathe, Ravi S. S., Daniel J. Rosenkrantz, Richard E. Stearns
Oral	3096: Urban Dreams of Migrants: A Case Study of Migrant Integration in Shanghai	Yang Yang, Chenhao Tan, Zongtao Liu, Fei Wu, Yueting Zhuang
Poster	2733: Ranking Users in Social Networks With Higher-Order Structures	Huan Zhao, Xiaogang Xu, Yangqiu Song, Dik Lun Lee, Zhao Chen, Han Gao
Poster	2510: Measuring the Popularity of Job Skills in Recruitment Market: A Multi-Criteria Approach	Tong Xu, Hengshu Zhu, Chen Zhu, Pan Li, Hui Xiong
Poster	653: Neural Ideal Point Estimation Network	Kyungwoo Song, Wonsung Lee, Il-Chul Moon
Poster	2941: SNN: Promoting Word Sentiment and Negation in Neural Sentiment Classification	Qinmin Hu, Jie Zhou, Qin Chen, Liang He
Poster	3855: Feature Engineering for Predictive Modeling Using Reinforcement Learning	Udayan Khurana, Horst Samulowitz, Deepak Turaga
Poster	3541: Mining Heavy Temporal Subgraphs: Fast Algorithms and Applications	Jose Cadena, Anil Vullikanti
	Tech Session 9: Human-AI Collaboration (HAC) (ML) (MLA) (HAI) (HCC) (PS)	Tue 10-11, Camp
Oral	1621: Hierarchical Video Generation From Orthogonal Information: Optical Flow and Texture	Katsunori Ohnishi, Shohei Yamamoto, Yoshitaka Ushiku, Tatsuya Harada
Oral	266: Interpretable Graph-Based Semi-Supervised Learning via Flows	Raif M. Rustamov, James T. Klosowski
Oral	3190: Human-in-the-Loop SLAM	Samer B. Nashed, Joydeep Biswas
Poster	1177: Semi-Supervised Learning From Crowds Using Deep Generative Models	Kyohei Atarashi, Satoshi Oyama, Masahito Kurihara
Poster	2075: Selective Verification Strategy for Learning From Crowds	Tian Tian, Yichi Zhou, Jun Zhu
Poster	565: Unified Locally Linear Classifiers With Diversity-Promoting Anchor Points	Chenghao Liu, Teng Zhang, Peilin Zhao, Jianling Sun, Steven C. H. Hoi
Poster	3694: Beyond Sparsity: Tree Regularization of Deep Models for Interpretability	Mike Wu, Michael C. Hughes, Sonali Parbhoo, Maurizio Zazzi, Volker Roth, Finale Doshi-Velez
Poster	2863: Fourier Feature Approximations for Periodic Kernels in Time-Series Modelling	Anthony Tompkins, Fabio Ramos
Poster	2017: Learning to Interact With Learning Agents	Adish Singla, Hamed Hassani, Andreas Krause
Poster	3001: Multiagent Simple Temporal Problem: The Arc-Consistency Approach	Shufeng Kong, Jae Hee Lee, Sanjiang Li
	IAAI-18: Science!	Tue 10-11, Jackson
	Sketch Worksheets in STEM Classrooms: Two Deployments (Deployed)	Kenneth D. Forbus, Bridget Garnier, Basil Tikoff, Wayne Marko, Madeline Usher, Matthew McLure
	Mars Target Encyclopedia: Rock and Soil Composition Extracted From the Literature	Kiri L. Wagstaff, Raymond Francis, Thamme Gowda, You Lu, Ellen Riloff, Karanjeet Singh, Nina L. Lanza
	Death vs. Data Science: Predicting End of Life	Muhammad A. Ahmad, Carly Eckert, Greg McKelvey, Kiyana Zolfagar, Anam Zahid, Ankur Teredesai
	AI Challenges in Synthetic Biology Engineering (Challenge)	Fusun Yaman, Aaron Adler, Jacob Beal
11:30am - 12:30pm		
	Tech Session 1: Machine Learning and Deep Learning (ML) (VIS) (MLA)	Tue 11:30-12:30, Jefferson
Oral	2127: Zero-Shot Learning via Class-Conditioned Deep Generative Models	Wenlin Wang, Yunchen Pu, Vinay Kumar Verma, Kai Fan, Yizhe Zhang, Changyou Chen, Piyush Rai, Lawrence Carin
Oral	2296: Metric-Based Auto-Instructor for Learning Mixed Data Representation	Songlei Jian, Liang Hu, Longbing Cao, Kai Lu
Oral	3932: Adaptive Graph Convolutional Neural Networks	Ruoyu Li, Sheng Wang, Feiyun Zhu, Junzhou Huang
Poster	3982: Who Said What: Modeling Individual Labelers Improves Classification	Melody Y. Guan, Varun Gulshan, Andrew M. Dai, Geoffrey E. Hinton
Poster	201: Adversarial Dropout for Supervised and Semi-Supervised Learning	Sungrae Park, JunKeon Park, Su-Jin Shin, Il-Chul Moon
Poster	602: Order-Free RNN With Visual Attention for Multi-Label Classification	Shang-Fu Chen, Yi-Chen Chen, Chih-Kuan Yeh, Yu-Chiang Frank Wang
Poster	1114: An End-to-End Deep Learning Architecture for Graph Classification	Muhan Zhang, Zhicheng Cui, Marion Neumann, Yixin Chen

Poster	3166: Learning Multi-Way Relations via Tensor Decomposition With Neural Networks	Koji Maruhashi, Masaru Todoriki, Takuya Ohwa, Keisuke Goto, Yu Hasegawa, Hiroya Inakoshi, Hirokazu Anai
Poster	1524: Task-Aware Compressed Sensing With Generative Adversarial Networks	Maya Kabkab, Pouya Samangouei, Rama Chellappa
Poster	304: Cross-Domain Human Parsing via Adversarial Feature and Label Adaptation	Si Liu, Yao Sun, Defa Zhu, Guanghui Ren, Yu Chen, Jiashi Feng, Jizhong Han
	Tech Session 2: Deep Learning (ML) (NLPML)	Tue 11:30-12:30, St. James
Oral	2661: DeepType: Multilingual Entity Linking by Neural Type System Evolution	Jonathan Raphael Raiman, Olivier Michel Raiman
Oral	4366: Multi-Attention Recurrent Network for Human Communication Comprehension	Amir Zadeh, Paul Pu Liang, Soujanya Poria, Prateek Vij, Erik Cambria, Louis-Philippe Morency
Oral	3506: Variational Probability Flow for Biologically Plausible Training of Deep Neural Networks	Zuozhu Liu, Tony Q. S. Quek, Shaowei Lin
Poster	1358: Dynamic Deep Neural Networks: Optimizing Accuracy-Efficiency Trade-Offs by Selective Execution	Lanlan Liu, Jia Deng
Poster	3476: From Monte Carlo to Las Vegas: Improving Restricted Boltzmann Machine Training Through Stopping Sets	Pedro H. P. Savarese, Mayank Kakodkar, Bruno Ribeiro
Poster	3881: Learning Across Scales---Multiscale Methods for Convolution Neural Networks	Eldad Haber, Lars Ruthotto, Elliot Holtham, Seong-Hwan Jun
Poster	3631: Towards Ultra-High Performance and Energy Efficiency of Deep Learning Systems: An Algorithm-Hardware Co-Optimization Framework	YanZhi Wang, Caiwen Ding, Zhe Li, Geng Yuan, Siyu Liao, Xiaolong Ma, Bo Yuan, Xuehai Qian, Jian Tang, Qinru Qiu, Xue Lin
Poster	3947: AdaComp : Adaptive Residual Gradient Compression for Data-Parallel Distributed Training	Chia-Yu Chen, Jungwook Choi, Daniel Brand, Ankur Agrawal, Wei Zhang, Kailash Gopalakrishnan
Poster	3996: Learning to Attack: Adversarial Transformation Networks	Shumeet Baluja, Ian Fischer
Poster	1129: Detecting Adversarial Examples Through Image Transformation	Shixin Tian, Guolei Yang, Ying Cai
	Tech Session 3: Multiagent Systems and Social Computing (MAS) (GTEP) (HCC)	Tue 11:30-12:30, Fulton
Oral	1772: Social Norms of Cooperation With Costly Reputation Building	Fernando P. Santos, Jorge M. Pacheco, Francisco C. Santos
Oral	4068: Partial Truthfulness in Minimal Peer Prediction Mechanisms With Limited Knowledge	Goran Radanovic, Boi Faltings
Oral	3973: Strategic Coordination of Human Patrollers and Mobile Sensors With Signaling for Security Games	Haifeng Xu, Kai Wang, Phebe Vayanos, Milind Tambe
Poster	283: Maximizing Influence in an Unknown Social Network	Bryan Wilder, Nicole Immerlica, Eric Rice, Milind Tambe
Poster	3519: The Role of Data-Driven Priors in Multi-Agent Crowd Trajectory Estimation	Gang Qiao, Sejong Yoon, Mubbasis Kapadia, Vladimir Pavlovic
	Tech Session 4: Language, Learning and Representation (NLPKR) (NLPML) (NLPTM) (MLA)	Tue 11:30-12:30, Newberry/Ascot
Oral	3708: Leveraging Lexical Substitutes for Unsupervised Word Sense Induction	Domagoj Alagić, Jan Šnajder, Sebastian Padó
Oral	2925: Two Knowledge-Based Methods for High-Performance Sense Distribution Learning	Tommaso Pasini, Roberto Navigli
Oral	2197: Effective Broad-Coverage Deep Parsing	James F. Allen, Omid Bahkshandeh, William de Beaumont, Lucian Galescu, Choh Man Teng
Poster	811: Investigating Inner Properties of Multimodal Representation and Semantic Compositionality With Brain-Based Componential Semantics	Shaonan Wang, Jiajun Zhang, Nan Lin, Chengqing Zong
Poster	926: Sequential Copying Networks	Qingyu Zhou, Nan Yang, Furu Wei, Ming Zhou
Poster	2581: Duplicate Question Identification by Integrating FrameNet With Neural Networks	Xiaodong Zhang, Xu Sun, Houfeng Wang
Poster	2374: Inference on Syntactic and Semantic Structures for Machine Comprehension	Chenrui Li, Yuanbin Wu, Man Lan
Poster	656: Fact Checking in Community Forums	Tsvetomila Mihaylova, Preslav Nakov, Lluís Màrquez, Alberto Barrón-Cedeño, Mitra Mohtarami, Georgi Karadzhov, James Glass
Poster	651: Hybrid Attentive Answer Selection in CQA With Deep Users Modelling	Jiahui Wen, Jingwei Ma, Yiliu Feng, Mingyang Zhong
Poster	1714: A Multi-View Fusion Neural Network for Answer Selection	Lei Sha, Xiaodong Zhang, Feng Qian, Baobao Chang, Zhifang Sui
	Tech Session 5: Learning, Uncertainty, and Kernels (RU) (ML) (KRR)	Tue, 11:30-12:30, Magazine
Oral	4205: Generalized Adjustment Under Confounding and Selection Biases	Juan D. Correa, Jin Tian, Elias Bareinboim
Oral	999: Probabilistic Inference Over Repeated Insertion Models	Batya Kenig, Lovro Ilijasić, Haoyue Ping, Benny Kimelfeld, Julia Stoyanovich
Oral	3850: Learning to Rank Based on Analogical Reasoning	Mohsen Ahmadi Fahandar, Eyke Hüllermeier
Poster	4559: Decomposition Strategies for Constructive Preference Elicitation	Paolo Dragone, Stefano Teso, Mohit Kumar, Andrea Passerini
Poster	1624: Approximate and Exact Enumeration of Rule Models	Satoshi Hara, Masakazu Ishihata
Poster	946: Asynchronous Doubly Stochastic Sparse Kernel Learning	Bin Gu, Miao Xin, Zhouyuan Huo, Heng Huang
Poster	1003: Alternating Circulant Random Features for Semigroup Kernels	Yusuke Mukuta, Yoshitaka Ushiku, Tatsuya Harada
Poster	3501: Randomized Clustered Nystrom for Large-Scale Kernel Machines	Farhad Pourkamali-Anaraki, Stephen Becker, Michael B. Wakin
Poster	422: Nonlinear Pairwise Layer and Its Training for Kernel Learning	Fanghui Liu, Xiaolin Huang, Chen Gong, Jie Yang, Li Li

Poster	3273: Trace Ratio Optimization With Feature Correlation Mining for Multiclass Discriminant Analysis	Forough Rezaei Boroujeni, Sen Wang, Zhihui Li, Nicholas West, Bela Stantic, Lina Yao, Guodong Long
	Tech Session 6: Planning, Learning and Search (PS) (SCS) (ML) (HSO) (MLA)	Tue 11:30-12:30, Commerce
Oral	4349: Memory-Augmented Monte Carlo Tree Search	Chenjun Xiao, Jincheng Mei, Martin Müller
Oral	118: Action Schema Networks: Generalised Policies With Deep Learning	Sam Toyer, Felipe Trevizan, Sylvie Thiébaux, Lexing Xie
Oral	2888: Energy-Efficient Automatic Train Driving by Learning Driving Patterns	Jin Huang, Yue Gao, Sha Lu, Xibin Zhao, Yangdong Deng, Ming Gu
Oral	3660: Noisy Derivative-Free Optimization With Value Suppression	Hong Wang, Hong Qian, Yang Yu
	Tech Session 7: Social Networks (AIW) (MLA) (APP)	Tue 11:30-12:30, Canal
Oral	1245: TIMERS: Error-Bounded SVD Restart on Dynamic Networks	Ziwei Zhang, Peng Cui, Jian Pei, Xiao Wang, Wenwu Zhu
Oral	1145: Neural Link Prediction over Aligned Networks	Xuezhi Cao, Haokun Chen, Xuejian Wang, Weinan Zhang, Yong Yu
Oral	2631: Robust Detection of Link Communities in Large Social Networks by Exploiting Link Semantics	Di Jin, Xiaobao Wang, Ruifang He, Dongxiao He, Jianwu Dang, Weixiong Zhang
Poster	1938: Community Detection in Attributed Graphs: An Embedding Approach	Ye Li, Chaofeng Sha, Xin Huang, Yanchun Zhang
Poster	1308: Towards Efficient Detection of Overlapping Communities in Massive Networks	Bing-Jie Sun, Huawei Shen, Jinhua Gao, Wentao Ouyang, Xueqi Cheng
Poster	559: COSINE: Community-Preserving Social Network Embedding From Information Diffusion Cascades	Yuan Zhang, Tianshu Lyu, Yan Zhang
Poster	1503: Multi-Facet Network Embedding: Beyond the General Solution of Detection and Representation	Liang Yang, Yuanfang Guo, Xiaochun Cao
Poster	2446: Contrastive Training for Models of Information Cascades	Shaobin Xu, David A. Smith
Poster	4072: Link Prediction With Personalized Social Influence	Zepeng Huo, Xiao Huang, Xia Hu
Poster	3481: The Geometric Block Model	Sainyam Galhotra, Arya Mazumdar, Soumyabrata Pal, Barna Saha
	Tech Session 8: Language and Learning (NLPML) (CM) (HCC) (ML) (ROB)	Tue 11:30-12:30, Royal
Oral	3838: Unsupervised Selection of Negative Examples for Grounded Language Learning	Nisha Pillai, Cynthia Matuszek
Oral	2107: Gated-Attention Architectures for Task-Oriented Language Grounding	Devendra Singh Chaplot, Kanthashree Mysore Sathyendra, Rama Kumar Pasumarthi, Dheeraj Rajagopal, Ruslan Salakhutdinov
Oral	2468: CoChat: Enabling Bot and Human Collaboration for Task Completion	Xufang Luo, Zijia Lin, Yunhong Wang, Zaiqing Nie
Poster	873: BBQ-Networks: Efficient Exploration in Deep Reinforcement Learning for Task-Oriented Dialogue Systems	Zachary Lipton, Xiujun Li, Jianfeng Gao, Lihong Li, Faisal Ahmed, Li Deng
Poster	166: Addressee and Response Selection in Multi-Party Conversations with Speaker Interaction RNNs	Rui Zhang, Honglak Lee, Lazaros Polymenakos, Dragomir Radev
Poster	1060: Canonical Correlation Inference for Mapping Abstract Scenes to Text	Nikos Papasasantopoulos, Helen Jiang, Shay B. Cohen
Poster	2796: A Unified Model for Document-Based Question Answering Based on Human-Like Reading Strategy	Weikang Li, Wei Li, Yunfang Wu
Poster	216: Adversarial Learning for Chinese NER From Crowd Annotations	YaoSheng Yang, Meishan Zhang, Wenliang Chen, Wei Zhang, Haofen Wang, Min Zhang
Poster	1207: Eliciting Positive Emotion through Affect-Sensitive Dialogue Response Generation: A Neural Network Approach	Nurul Lubis, Sakriani Sakti, Koichiro Yoshino, Satoshi Nakamura
Poster	2061: Meta Multi-Task Learning for Sequence Modeling	Junkun Chen, Xipeng Qiu, Pengfei Liu, Xuanjing Huang
	Tech Session 9: Machine Learning Applications (MLA) (VIS) (GPIE)	Tue 11:30-12:30, Camp
Oral	3510: The Shape of Art History in the Eyes of the Machine	Ahmed Elgammal, Bingchen Liu, Diana Kim, Mohamed Elhoseiny, Marian Mazzone
Oral	978: Learning Datum-Wise Sampling Frequency for Energy-Efficient Human Activity Recognition	Weihaio Cheng, Sarah Erfani, Rui Zhang, Ramamohanarao Kotagiri
Oral	300: PVL: A Framework for Navigating the Precision-Variety Trade-Off in Automated Animation of Smiles	Nicholas Sohre, Moses Adeagbo, Nathaniel Helwig, Sofia Lyford-Pike, Stephen J. Guy
Poster	4071: Tap and Shoot Segmentation	Ding-Jie Chen, Jui-Ting Chien, Hwann-Tzong Chen, Long-Wen Chang
Poster	488: Unsupervised Representation Learning With Long-Term Dynamics for Skeleton Based Action Recognition	Nenggan Zheng, Jun Wen, Risheng Liu, Liangqu Long, Jianhua Dai, Zhefeng Gong
Poster	2293: r-BTN: Cross-Domain Face Composite and Synthesis From Limited Facial Patches	Yang Song, Zhifei Zhang, Hairong Qi
Poster	1705: Understanding Image Impressiveness Inspired by Instantaneous Human Perceptual Cues	Jufeng Yang, Yan Sun, Jie Liang, Yong-Liang Yang, Ming-Ming Cheng
Poster	1892: Kill Two Birds With One Stone: Weakly-Supervised Neural Network for Image Annotation and Tag Refinement	Junjie Zhang, Qi Wu, Jian Zhang, Chunhua Shen, Jianfeng Lu
Poster	1572: Diverse Beam Search for Improved Description of Complex Scenes	Ashwin K. Vijayakumar, Michael Cogswell, Ramprasaath R. Selvaraju, Qing Sun, Stefan Lee, David Crandall, Dhruv Batra
Poster	403: Co-Domain Embedding Using Deep Quadruplet Networks for Unseen Traffic Sign Recognition	Junsik Kim, Seokju Lee, Tae-Hyun Oh, In So Kweon

	IAAI-18: Improving Communication	Tue 11:30-12:30, Jackson
	Sentient Ascend: AI-Based Massively Multivariate Conversion Rate Optimization (Deployed)	Risto Miikkulainen, Neil Iscoe, Aaron Shagrin, Ryan Rapp, Sam Nazari, Patrick McGrath, Cory Schoolland, Elyas Achkar, Myles Brundage, Jeremy Miller, Jonathan Epstein, Gurmeet Lamba
	TipMaster: A Knowledge Base of Authoritative Local News Sources on Social Media	Xin Shuai, Xiaomo Liu, Armineh Nourbakhsh, Sameena Shah, Tonya Curtis
	Gesture Annotation With a Visual Search Engine for Multimodal Communication Research	Sergiy Turchyn, Inés Olza Moreno, Cristóbal Pagán Cánovas, Francis F. Steen, Mark Turner, Javier Valenzuela, Soumya Ray

2:00 - 3:30pm

	Tech Session 1: Machine Learning and Deep Learning (ML) (VIS) (APP) (AIW) (HCC)	Tue 2-3:30, Jefferson
Oral	725: Deep Region Hashing for Generic Instance Search from Images	Jingkuan Song, Tao He, Lianli Gao, Xing Xu, Heng Tao Shen
Oral	3844: Deep Learning from Crowds	Filipe Rodrigues, Francisco C. Pereira
Oral	2773: Deeper Insights Into Graph Convolutional Networks for Semi-Supervised Learning	Qimai Li, Zhichao Han, Xiao-ming Wu
Oral	1853: Measuring Catastrophic Forgetting in Neural Networks	Ronald Kemker, Marc McClure, Angelina Abitino, Tyler L. Hayes, Christopher Kanan
Oral	3040: A General Formulation for Safely Exploiting Weakly Supervised Data	Lan-Zhe Guo, Yu-Feng Li
Poster	324: Face Sketch Synthesis From Coarse to Fine	Mingjin Zhang, Nannan Wang, Yunsong Li, Ruxin Wang, Xinbo Gao
Poster	1374: Learning Coarse-to-Fine Structured Feature Embedding for Vehicle Re-Identification	Haiyun Guo, Chaoyang Zhao, Zhiwei Liu, Jinqiao Wang, Hanqing Lu
Poster	3639: Learning Transferable Subspace for Human Motion Segmentation	Lichen Wang, Zhengming Ding, Yun Fu
Poster	1127: On the Optimal Bit Complexity of Circulant Binary Embedding	Sae-hoon Kim, Jungtaek Kim, Seungjin Choi
Poster	382: Tensorized Projection for High-Dimensional Binary Embedding	Weixiang Hong, Jingjing Meng, Junsong Yuan
Poster	192: Dictionary Learning Inspired Deep Network for Scene Recognition	Yang Liu, Qingchao Chen, Wei Chen, Ian Wassell
Poster	4442: Video Summarization via Semantic Attended Networks	Huawei Wei, Bingbing Ni, Yichao Yan, Huanyu Yu, Xiaokang Yang, Chen Yao
	Tech Session 2: Vision (VIS) (MLA)	Tue 2-3:30, St. James
Oral	3487: ExprGAN: Facial Expression Editing With Controllable Expression Intensity	Hui Ding, Kumar Sricharan, Rama Chellappa
Oral	1976: Residual Encoder Decoder Network and Adaptive Prior for Face Parsing	Tianchu Guo, Youngsung Kim, Hui Zhang, Deheng Qian, ByungIn Yoo, Jingtao Xu, Dongqing Zou, Jae-Joon Han, Changkyu Choi
Oral	900: HCVRD: A Benchmark for Large-Scale Human-Centered Visual Relationship Detection	Bohan Zhuang, Qi Wu, Chunhua Shen, Ian Reid, Anton van den Hengel
Oral	1291: UnFlow: Unsupervised Learning of Optical Flow With a Bidirectional Census Loss	Simon Meister, Junhwa Hur, Stefan Roth
Oral	546: Group-Pair Convolutional Neural Networks for Multi-View Based 3D Object Retrieval	Zan Gao, Deyu Wang, Xiangnan He, Hua Zhang
Poster	1718: RAN4QA: Restorative Adversarial Nets for No-Reference Image Quality Assessment	Hongyu Ren, Diqi Chen, Yizhou Wang
Poster	463: Self-Reinforced Cascaded Regression for Face Alignment	Xin Fan, Risheng Liu, Kang Huyen, Yuyao Feng, Zhongxuan Luo
Poster	2058: Discriminant Projection Representation-Based Classification for Vision Recognition	Qingxiang Feng, Yicong Zhou
Poster	253: Merge or Not? Learning to Group Faces via Imitation Learning	Yue He, Kaidi Cao, Cheng Li, Chen Change Loy
Poster	1501: Anti-Makeup: Learning A Bi-Level Adversarial Network for Makeup-Invariant Face Verification	Yi Li, Lingxiao Song, Xiang Wu, Ran He, Tieniu Tan
Poster	1091: Brute-Force Facial Landmark Analysis With a 140,000-Way Classifier	Mengtian Li, Laszlo Jeni, Deva Ramanan
Poster	4413: Learning Spatio-Temporal Features With Partial Expression Sequences for On-the-Fly Prediction	Wissam J. Baddar, Yong Man Ro
	Tech Session 3: Multiagent Systems (MAS) (GTEP)	Tue 2-3:30, Fulton
Oral	2987: Rich Coalitional Resource Games	Nicolas Troquard
Oral	1435: Allocation Problems in Ride-Sharing Platforms: Online Matching With Offline Reusable Resources	John P. Dickerson, Karthik A. Sankararaman, Aravind Srinivasan, Pan Xu
Oral	4464: POMDP-Based Decision Making for Fast Event Handling in VANETs	Shuo Chen, Athirai A. Irissappane, Jie Zhang
Oral	4513: HogRider: Champion Agent of Microsoft Malmo Collaborative AI Challenge	Yanhai Xiong, Haipeng Chen, Mengchen Zhao, Bo An
Oral	3228: Privacy-Preserving Policy Iteration for Decentralized POMDPs	Feng Wu, Shlomo Zilberstein, Xiaoping Chen
	Tech Session 4: Language and Learning (NLPML) (NLPTM) (NLPKR) (AIW) (KRR)	Tue 2-3:30, Newberry/Ascot
Oral	2029: Neural Knowledge Acquisition via Mutual Attention Between Knowledge Graph and Text	Xu Han, Zhiyuan Liu, Maosong Sun
Oral	1213: RNN-Based Sequence-Preserved Attention for Dependency Parsing	Yi Zhou, Junying Zhou, Lu Liu, Jiangtao Feng, Haoyuan Peng, Xiaoqing Zheng
Oral	4042: Question Answering as Global Reasoning Over Semantic Abstractions	Daniel Khashabi, Tushar Khot, Ashish Sabharwal, Dan Roth

Oral	505: A Semantic QA-Based Approach for Text Summarization Evaluation	Ping Chen, Fei Wu, Tong Wang, Wei Ding
Oral	1147: Persuasive Influence Detection: The Role of Argument Sequencing	Christopher Thomas Hidey, Kathleen McKeown
Poster	1815: Assertion-Based QA With Question-Aware Open Information Extraction	Zhao Yan, Duyu Tang, Nan Duan, Shujie Liu, Wendi Wang, Daxin Jiang, Ming Zhou, Zhoujun Li
Poster	3267: Exploring Implicit Feedback for Open Domain Conversation Generation	Wei-Nan Zhang, Lingzhi Li, Dongyan Cao, Ting Liu
Poster	4149: Improving Review Representations With User Attention and Product Attention for Sentiment Classification	Zhen Wu, Xin-Yu Dai, Cunyan Yin, Shujian Huang, Jiajun Chen
Poster	1868: Asynchronous Bidirectional Decoding for Neural Machine Translation	Xiangwen Zhang, Jinsong Su, Yue Qin, Yang Liu, Rongrong Ji, Hongji Wang
Poster	4198: Towards a Neural Conversation Model With Diversity Net Using Determinantal Point Processes	Yiping Song, Rui Yan, Yansong Feng, Yaoyuan Zhang, Dongyan Zhao, Ming Zhang
Poster	408: Improving Neural Fine-Grained Entity Typing With Knowledge Attention	Ji Xin, Yankai Lin, Zhiyuan Liu, Maosong Sun
	Tech Session 5: Humans and AI (HAI) (VIS) (APP) (HAC) (HCC) (KRR) (ML) (MLA) (NLPML) (NLPTM)	Tue 2-3:30, Magazine
Oral	2565: Understanding Social Interpersonal Interaction via Synchronization Templates of Facial Events	Rui Li, Jared Curhan, Mohammed Ehsan Hoque
Oral	3490: How AI Wins Friends and Influences People in Repeated Games With Cheap Talk	Mayada Oudah, Talal Rahwan, Tawna Crandall, Jacob W. Crandall
Oral	3245: Norm Conflict Resolution in Stochastic Domains	Daniel Kasenberg, Matthias Scheutz
Oral	3229: Fair Inference on Outcomes	Razieh Nabi, Ilya Shpitser
Oral	62: State of the Art: Reproducibility in Artificial Intelligence	Odd Erik Gundersen, Sigbjørn Kjensmo
Poster	1427: Deep Learning for Case-Based Reasoning Through Prototypes: A Neural Network That Explains Its Predictions	Oscar Li, Hao Liu, Chaofan Chen, Cynthia Rudin
Poster	3100: Understanding Human Behaviors in Crowds by Imitating the Decision-Making Process	Haosheng Zou, Hang Su, Shihong Song, Jun Zhu
Poster	1359: Learning Multi-Modal Word Representation Grounded in Visual Context	Éloi Zablocki, Benjamin Piwowski, Laure Soulier, Patrick Gallinari
Poster	1324: Movie Question Answering: Remembering the Textual Cues for Layered Visual Contents	Bo Wang, Youjiang Xu, Yahong Han, Richang Hong
Poster	881: Learning Multimodal Word Representation via Dynamic Fusion Methods	Shaonan Wang, Jiajun Zhang, Chengqing Zong
Poster	1979: SFCN-OPI: Detection and Fine-Grained Classification of Nuclei Using Sibling FCN With Objectness Prior Interaction	Yanning Zhou, Qi Dou, Hao Chen, Jing Qin, Pheng-Ann Heng
	Tech Session 6: Knowledge Representation (KRR) (ML) (PS) (RU)	Tue 2-3:30, Commerce
Oral	2648: Measuring Conditional Independence by Independent Residuals: Theoretical Results and Application in Causal Discovery	Hao Zhang, Shuigeng Zhou, Jihong Guan
Oral	4180: Fairness in Decision-Making---The Causal Explanation Formula	Junzhe Zhang, Elias Bareinboim
Oral	69: Armstrong's Axioms and Navigation Strategies	Kaya Deuser, Pavel Naumov
Oral	3766: Towards Formal Definitions of Blameworthiness, Intention, and Moral Responsibility	Joseph Y. Halpern, Max Kleiman-Weiner
Oral	3549: Synthesis of Orchestrations of Transducers for Manufacturing	Giuseppe De Giacomo, Moshe Y. Vardi, Paolo Felli, Natasha Alechina, Brian Logan
Poster	508: Situation Calculus Semantics for Actual Causality	Vitaliy Batusov, Mikhail Soutchanski
Poster	856: Learning Abduction Using Partial Observability	Brendan Juba, Zongyi Li, Evan Miller
Poster	2274: SELF: Structural Equational Likelihood Framework for Causal Discovery	Ruichu Cai, Jie Qiao, Zhenjie Zhang, Zhifeng Hao
Poster	1351: Behavior Is Everything: Towards Representing Concepts with Sensorimotor Contingencies	Nicholas Hay, Michael Stark, Alexander Schlegel, Carter Wendelken, Dennis Park, Eric Purdy, Tom Silver, D. Scott Phoenix, Dileep George
Poster	1234: Examining CNN Representations With Respect to Dataset Bias	Quanshi Zhang, Wenguan Wang, Song-Chun Zhu
	Tech Session 7: Language, Learning and Representation (NLPML) (NLPKR) (NLPTM) (AIW)	Tue 2-3:30, Canal
Oral	3489: Knowledge Graph Embedding With Iterative Guidance From Soft Rules	Shu Guo, Quan Wang, Lihong Wang, Bin Wang, Li Guo
Oral	973: Neural Response Generation With Dynamic Vocabularies	Yu Wu, Wei Wu, Dejian Yang, Can Xu, Zhoujun Li
Oral	1657: FEEL: Featured Event Embedding Learning	I-Ta Lee, Dan Goldwasser
Oral	1460: Exploring the Terrain of Metaphor Novelty: A Regression-Based Approach for Automatically Scoring Metaphors	Natalie Parde, Rodney D. Nielsen
Oral	1395: Elastic Responding Machine for Dialog Generation with Dynamically Mechanism Selecting	Ganbin Zhou, Ping Luo, Yijun Xiao, Fen Lin, Bo Chen, Qing He
Poster	4488: Medical Exam Question Answering with Large-scale Reading Comprehension	Xiao Zhang, Ji Wu, Zhiyang He, Xien Liu, Ying Su
Poster	3835: Never Retreat, Never Retract: Argumentation Analysis for Political Speeches	Stefano Menini, Elena Cabrio, Sara Tonelli, Serena Villata
Poster	3330: Unity in Diversity: Learning Distributed Heterogeneous Sentence Representation for Extractive Summarization	Abhishek Kumar Singh, Manish Gupta, Vasudeva Varma
Poster	3370: Twitter Summarization Based on Social Network and Sparse Reconstruction	Ruifang He, Xingyi Duan

Poster	945: Graph Convolutional Networks With Argument-Aware Pooling for Event Detection	Thien Huu Nguyen, Ralph Grishman
Poster	1965: Content and Context: Two-Pronged Bootstrapped Learning for Regex-Formatted Entity Extraction	Stanley Simoes, Deepak P, Munu Sairamesh, Deepak Khemani, Sameep Mehta
Poster	133: A Multi-Task Learning Approach for Improving Product Title Compression with User Search Log Data	Jingang Wang, Junfeng Tian, Long Qiu, Sheng Li, Jun Lang, Luo Si, Man Lan
	Tech Session 8: Game Theory, Economics, and Machine Learning (GTEP) (ML) (AIW) (APP) (CS) (MLA) (VIS)	Tue 2-3:30, Royal
Oral	3057: On the Complexity of Extended and Proportional Justified Representation	Haris Aziz, Edith Elkind, Shenwei Huang, Martin Lackner, Luis Sanchez-Fernandez, Piotr Skowron
Oral	316: Liquid Democracy: An Algorithmic Perspective	Anson Kahng, Simon Mackenzie, Ariel D. Procaccia
Oral	92: Axioms for Distance-Based Centralities	Oskar Skibski, Jadwiga Sosnowska
Oral	3796: When Social Advertising Meets Viral Marketing: Sequencing Social Advertisements for Influence Maximization	Shaojie Tang
Oral	4074: Maximizing Activity in Ising Networks via the TAP Approximation	Christopher W. Lynn, Daniel D. Lee
Poster	135: SAGA: A Submodular Greedy Algorithm for Group Recommendation	Shameem A. Puthiya Parambath, Nishant Vijayakumar, Sanjay Chawla
Poster	1557: Collaborative Filtering With Social Exposure: A Modular Approach to Social Recommendation	Menghan Wang, Xiaolin Zheng, Yang Yang, Kun Zhang
Poster	2262: Exploiting Emotion on Reviews for Recommender Systems	Xuying Meng, Suhang Wang, Huan Liu, Yujun Zhang
Poster	4265: DepthLGP: Learning Embeddings of Out-of-Sample Nodes in Dynamic Networks	Jianxin Ma, Peng Cui, Wenwu Zhu
Poster	2528: Spatiotemporal Activity Modeling Under Data Scarcity: A Graph-Regularized Cross-Modal Embedding Approach	Chao Zhang, Mengxiong Liu, Zhengchao Liu, Carl Yang, Luming Zhang, Jiawei Han
Poster	2782: CMCGAN: A Uniform Framework for Cross-Modal Visual-Audio Mutual Generation	Wangli Hao, Zhaoxiang Zhang, He Guan
Poster	2123: CoLink: An Unsupervised Framework for User Identity Linkage	Zexuan Zhong, Yong Cao, Yong Cao, Mu Guo, Mu Guo, Zaiqing Nie, Zaiqing Nie
	Tech Session 9: Machine Learning and Graphs (ML) (MLA) (NLPML) (NLPTM)	Tue 2-3:30, Camp
Oral	1372: Variational Reasoning for Question Answering With Knowledge Graph	Yuyu Zhang, Hanjun Dai, Zornitsa Kozareva, Alexander J. Smola, Le Song
Oral	2222: StarSpace: Embed All The Things!	Ledell Yu Wu, Adam Fisch, Sumit Chopra, Keith Adams, Antoine Bordes, Jason Weston
Oral	3536: Graph Scan Statistics With Uncertainty	Jose Cadena, Arinjoy Basak, Anil Vullikanti, Xinwei Deng
Oral	2105: Directional Label Rectification in Adaptive Graph	Xiaoqian Wang, Hao Huang
Oral	2813: Distance-Aware DAG Embedding for Proximity Search on Heterogeneous Graphs	Zemin Liu, Vincent W. Zheng, Zhou Zhao, Fanwei Zhu, Kevin Chen-Chuan Chang, Minghui Wu, Jing Ying
Poster	3824: HARP: Hierarchical Representation Learning for Networks	Haochen Chen, Bryan Perozzi, Yifan Hu, Steven Skiena
Poster	1156: Substructure Assembling Network for Graph Classification	Xiaohan Zhao, Bo Zong, Ziyu Guan, Kai Zhang, Wei Zhao
Poster	122: Bernoulli Embeddings for Graphs	Vinith Misra, Sumit Bhatia
Poster	1065: Beyond Link Prediction: Predicting Hyperlinks in Adjacency Space	Muhan Zhang, Zhicheng Cui, Shali Jiang, Yixin Chen
Poster	723: Adversarial Network Embedding	Quanyu Dai, Qiang Li, Jian Tang, Dan Wang
Poster	3659: Overlap-Robust Decision Boundary Learning for Within-Network Classification	Sharad Nandanwar, M. N. Murty
Poster	2368: Subgraph Pattern Neural Networks for High-Order Graph Evolution Prediction	Changping Meng, S Chandra Mouli, Bruno Ribeiro, Jennifer Neville
	IAAI-18: Entertainment and Story	Tue 2-3:30, Jackson
	Horizontal Scaling With a Framework for Providing AI Solutions Within a Game Company (Deployed)	John F. Kolen, Mohsen Sardari, Marwan Mattar, Nick Peterson, Meng Wu
	InspireMe: Learning Sequence Models for Stories	Vincent Fortuin, Romann M. Weber, Sasha Schriber, Diana Wotruba, Markus Gross
	Computer-Assisted Authoring for Natural Language Story Scripts	Rushit Sanghrajka, Wojciech Witoń, Sasha Schriber, Markus Gross, Mubbasir Kapadia
	Aida: Intelligent Image Analysis to Automatically Detect Poems in Digital Archives of Historic Newspapers	Leen-Kiat Soh, Elizabeth Lorang, Yi Liu
	Batting Order Setup in One Day International Cricket (Challenge)	Masoumeh Izadi, Simranjeet Narula
4:00 - 5:00pm		
	AAAI	Tue 4-5, Grand Ballroom
	AAAI-18 Invited Talk: Actual Causality: A Survey	Joe Halpern
5:10 - 6:10pm		
	AAAI	Tue 5:10-6:10, Grand Ballroom
	AAAI Community Meeting	Subbarao Kambhampati
6:30 - 8:30pm		
	AAAI	Tue 6:30-8:30, Grand Salon
	AAAI-18 Poster / Demo Session 3	
8:00 - 10:00pm		
	AAAI	Tue 8-10, Jefferson Ballroom
	AAAI-18 Games Night	Moderators: Michael Littman and Michael Bowling

Wednesday, February 7**8:50 - 9:50am**

	AAAI	Wed 8:50-9:50, Grand Ballroom
	AAAI-18 Invited Talk: How Should We Evaluate Machine Learning for AI?	Percy Liang

10:00 - 11:00am

	Tech Session 1: Deep Learning (ML) (VIS)	Wed 10-11, St. James
Oral	3895: Unravelling Robustness of Deep Learning Based Face Recognition Against Adversarial Attacks	Gaurav Goswami, Nalini Ratha, Akshay Agarwal, Richa Singh, Mayank Vatsa
Oral	2839: SC2Net: Sparse LSTMs for Sparse Coding	Joey Tianyi Zhou, Kai Di, Jiawei Du, Xi Peng, Hao Yang, Sinno Jialin Pan, Ivor W. Tsang, Yong Liu, Zheng Qin, Rick Siow Mong Goh
Oral	4527: Cooperative Learning of Energy-Based Model and Latent Variable Model via MCMC Teaching	Jianwen Xie, Yang Lu, Ruiqi Gao, Ying Nian Wu
Oral	3010: No Modes Left Behind: Capturing the Data Distribution Effectively Using GANs	Shashank Sharma, Vinay P. Nambodiri
	Tech Session 2: Machine Learning (ML)	Wed 10-11, Fulton
Oral	3632: ARC: Adversarial Robust Cuts for Semi-Supervised and Multi-Label Classification	Sima Behpour, Wei Xing, Brian D. Ziebart
Oral	2739: Label Distribution Learning by Optimal Transport	Peng Zhao, Zhi-Hua Zhou
Oral	2471: Incomplete Label Multi-Task Ordinal Regression for Spatial Event Scale Forecasting	Yuyang Gao, Liang Zhao
Oral	2156: Latent Semantic Aware Multi-View Multi-Label Classification	Changqing Zhang, Ziwei Yu, Qinghua Hu, Pengfei Zhu, Xinwang Liu, Xiaobo Wang
	Tech Session 3: Multiagent Systems (MAS) (PS)	Wed 10-11, Newberry/Ascot
Oral	3842: Knowledge-Based Policies for Qualitative Decentralized POMDPs	Abdallah Saffidine, François Schwarzentruber, Bruno Zanuttini
Oral	1776: Planning and Learning for Decentralized MDPs With Event Driven Rewards	Tarun Gupta, Akshat Kumar, Praveen Paruchuri
Oral	2454: An Ant-Based Algorithm to Solve Distributed Constraint Optimization Problems	Ziyu Chen, Tengfei Wu, Yanchen Deng, Cheng Zhang
	Tech Session 4: Search, Constraint Satisfaction, and Optimization (SCS) (HSO)	Wed 10-11, Magazine
Oral	3891: MaxSAT Resolution With the Dual Rail Encoding	Maria Luisa Bonet, Sam Buss, Alexey Ignatiev, Joao Marques-Silva, Antonio Morgado
Oral	232: Schur Number Five	Marijn J. H. Heule
Oral	1671: A Two-Stage MaxSAT Reasoning Approach for the Maximum Weight Clique Problem	Hua Jiang, Chu-Min Li, Yanli Liu, Felip Manyà
Oral	3348: Premise Set Caching for Enumerating Minimal Correction Subsets	Alessandro Previti, Carlos Mencia, Matti Järvisalo, Joao Marques-Silva
	Tech Session 5: Game Theory and Human Interaction (HAI) (AIW) (GTEP) (HAC)	Wed 10-11, Commerce
Oral	623: Ranking Wily People Who Rank Each Other	Anson Kahng, Yasmine Kotturi, Chinmay Kulkarni, David Kurokawa, Ariel D. Procaccia
Oral	1354: Adapting a Kidney Exchange Algorithm to Align With Human Values	Rachel Freedman, Jana Schaich Borg, Walter Sinnott-Armstrong, John P. Dickerson, Vincent Conitzer
Oral	2260: Anchors: High-Precision Model-Agnostic Explanations	Marco Tulio Ribeiro, Sameer Singh, Carlos Guestrin
Oral	2708: FILE: A Novel Framework for Predicting Social Status in Signed Networks	Xiaoming Li, Hui Fang, Jie Zhang
	Tech Session 6: Language and Learning (NLPML)	Wed 10-11, Canal
Oral	985: Table-to-Text: Describing Table Region With Natural Language	Junwei Bao, Duyu Tang, Nan Duan, Zhao Yan, Yuanhua Lv, Ming Zhou, Tiejun Zhao
Oral	3923: Sentence Ordering and Coherence Modeling using Recurrent Neural Networks	Lajanugen Logeswaran, Honglak Lee, Dragomir Radev
Oral	4389: How Images Inspire Poems: Generating Classical Chinese Poetry from Images with Memory Networks	Linli Xu, Liang Jiang, Chuan Qin, Zhe Wang, Dongfang Du
Oral	4133: A Knowledge-Grounded Neural Conversation Model	Marjan Ghazvininejad, Chris Brockett, Ming-Wei Chang, Bill Dolan, Jianfeng Gao, Wen-tau Yih, Michel Galley
	Tech Session 7: Machine Learning Applications (MLA) (APP) (ML)	Wed 10-11, Royal
Oral	2299: DeepHeart: Semi-Supervised Sequence Learning for Cardiovascular Risk Prediction	Brandon Ballinger, Johnson Hsieh, Avesh Singh, Nimit Sohoni, Jack Wang, Geoffrey H. Tison, Gregory M. Marcus, Jose M. Sanchez, Carol Maguire, Jeffrey E. Olgin, Mark J. Pletcher
Oral	3160: Exercise-Enhanced Sequential Modeling for Student Performance Prediction	Yu Su, Qingwen Liu, Qi Liu, Zhenya Huang, Yu Yin, Enhong Chen, Chris Ding, Si Wei, Guoping Hu
Oral	3738: Attend and Diagnose: Clinical Time Series Analysis Using Attention Models	Huan Song, Deepta Rajan, Jayaraman J. Thiagarajan, Andreas Spanias
Oral	3572: Early Prediction of Diabetes Complications from Electronic Health Records: A Multi-Task Survival Analysis Approach	Bin Liu, Ying Li, Zhaonan Sun, Soumya Ghosh, Kenney Ng

	Tech Session 8: Machine Learning and Spectral Learning (ML) (AIW)	Wed 10-11, Camp
Oral	521: A Network-Specific Markov Random Field Approach to Community Detection	Dongxiao He, Xinxin You, Zhiyong Feng, Di Jin, Xue Yang, Weixiong Zhang
Oral	3070: Representation Learning for Scale-Free Networks	Rui Feng, Yang Yang, Wenjie Hu, Fei Wu, Yueting Zhang
Oral	4059: Lagrangian Constrained Community Detection	Mohadeseh Ganji, James Bailey, Peter J. Stuckey
Oral	3385: Partial Multi-View Outlier Detection Based on Collective Learning	Jun Guo, Wenwu Zhu
	Tech Session 9: NLP and Text Mining (NLPTM) (AIW)	Wed 10-11, Jackson
Oral	4315: Cross-Lingual Propagation for Deep Sentiment Analysis	Xin Dong, Gerard de Melo
Oral	4355: Hierarchical Attention Flow for Multiple-Choice Reading Comprehension	Haichao Zhu, Furu Wei, Bing Qin, Ting Liu
Oral	748: Mention and Entity Description Co-Attention for Entity Disambiguation	Feng Nie, Yunbo Cao, Jinpeng Wang, Chin-Yew Lin, Rong Pan
Oral	1625: Cross-Lingual Entity Linking for Web Tables	Xusheng Luo, Kangqi Luo, Xianyang Chen, Kenny Q. Zhu

11:30am - 12:30pm

	Tech Session 1: Machine Learning, Preferences, and Ranking (ML)	Wed 11:30-12:30, St. James
Oral	4582: Constructive Preference Elicitation Over Hybrid Combinatorial Spaces	Paolo Dragone, Stefano Teso, Andrea Passerini
Oral	68: HodgeRank With Information Maximization for Crowdsourced Pairwise Ranking Aggregation	Qianqian Xu, Jiechao Xiong, Xi Chen, Qingming Huang, Yuan Yao
Oral	3560: Learning Lexicographic Preference Trees From Positive Examples	Hélène Fargier, Pierre-François Gimenez, Jérôme Mengin
	Tech Session 2: Machine Learning (ML)	Wed 11:30-12:30, Fulton
Oral	2458: Efficient Test-Time Predictor Learning With Group-Based Budget	Li Wang, Dajiang Zhu, Yujie Chi
Oral	1449: Label Distribution Learning by Exploiting Label Correlations	Xiuyi Jia, Weiwei Li, Junyu Liu, Yu Zhang
Oral	1809: Estimating the Class Prior in Positive and Unlabeled Data Through Decision Tree Induction	Jessa Bekker, Jesse Davis
Oral	1704: Dictionary Learning in Optimal Metric Space	Jiexi Yan, Cheng Deng, Xianglong Liu
	Tech Session 3: Vision and Deep Learning (VIS) (NLPML)	Wed 11:30-12:30, Newberry/Ascot
Oral	1402: Towards Automatic Learning of Procedures From Web Instructional Videos	Luowei Zhou, Chenliang Xu, Jason J. Corso
Oral	63: Char-Net: A Character-Aware Neural Network for Distorted Scene Text Recognition	Wei Liu, Chaofeng Chen, Kwan-Yee K. Wong
Oral	162: Stack-Captioning: Coarse-to-Fine Learning for Image Captioning	Jiuxiang Gu, Jianfei Cai, Gang Wang, Tsuhan Chen
Oral	3406: DiSAN: Directional Self-Attention Network for RNN/CNN-Free Language Understanding	Tao Shen, Tianyi Zhou, Guodong Long, Jing Jiang, Shirui Pan, Chengqi Zhang
	Tech Session 4: Knowledge Representation (KRR)	Wed 11:30-12:30, Magazine
Oral	3789: Visual Explanation by High-Level Abduction: On Answer-Set Programming Driven Reasoning About Moving Objects	Jakob Suchan, Mehul Bhatt, Przemysław Wałęga, Carl Schultz
Oral	36: Dependence in Propositional Logic: Formula-Formula Dependence and Formula Forgetting – Application to Belief Update and Conservative Extension	Liangda Fang, Hai Wan, Xianqiao Liu, Biqing Fang, Zhaorong Lai
Oral	3314: Optimised Maintenance of Datalog Materialisations	Pan Hu, Boris Motik, Ian Horrocks
Oral	3974: Stream Reasoning in Temporal Datalog	Alessandro Ronca, Mark Kaminski, Bernardo Cuenca Grau, Boris Motik, Ian Horrocks
	Tech Session 5: Machine Learning and Time Series (ML) (MLA) (NLPML)	Wed 11:30-12:30, Commerce
Oral	2201: An Adversarial Hierarchical Hidden Markov Model for Human Pose Modeling and Generation	Rui Zhao, Qiang Ji
Oral	2486: Dynamic Optimization of Neural Network Structures Using Probabilistic Modeling	Shinichi Shirakawa, Yasushi Iwata, Youhei Akimoto
Oral	920: cw2vec: Learning Chinese Word Embeddings with Stroke n-gram Information	Shaosheng Cao, Wei Lu, Jun Zhou, Xiaolong Li
	Tech Session 6: NLP and Machine Learning (NLPML) (ML) (NLPKR)	Wed 11:30-12:30, Canal
Oral	2816: Placing Objects in Gesture Space: Toward Incremental Interpretation of Multimodal Spatial Descriptions	Ting Han, Casey Kennington, David Schlangen
Oral	1134: Conversational Model Adaptation via KL Divergence Regularization	Juncen Li, Ping Luo, Fen Lin, Bo Chen
Oral	4491: Linguistic Properties Matter for Implicit Discourse Relation Recognition: Combining Semantic Interaction, Topic Continuity and Attribution	Wenqiang Lei, Yuanxin Xiang, Yuwei Wang, Qian Zhong, Meichun Liu, Min-Yen Kan
Oral	3012: Dialogue Act Sequence Labeling Using Hierarchical Encoder With CRF	Harshit Kumar, Arvind Agarwal, Riddhiman Dasgupta, Sachindra Joshi

	Tech Session 7: Machine Learning Applications (MLA) (NLPTM) (AIW) (VIS)	Wed 11:30-12:30, Royal
Oral	444: Early Detection of Fake News on Social Media Through Propagation Path Classification with Recurrent and Convolutional Networks	Yang Liu, Yi-Fang Brook Wu
Oral	3427: Multi-Task Medical Concept Normalization Using Multi-View Convolutional Neural Network	Yi Luo, Guojie Song, Pengyu Li, Zhongang Qi
Oral	4381: Dual Attention Network for Product Compatibility and Function Satisfiability Analysis	Hu Xu, Sihong Xie, Lei Shu, Philip S. Yu
Oral	2220: Acquiring Common Sense Spatial Knowledge Through Implicit Spatial Templates	Guillem Collell, Luc Van Gool, Marie-Francine Moens
	Tech Session 8: Machine Learning (ML) (APP) (HAI)	Wed 11:30-12:30, Camp
Oral	3019: Learning the Joint Representation of Heterogeneous Temporal Events for Clinical Endpoint Prediction	Luchen Liu, Jianhao Shen, Ming Zhang, Zichang Wang, Jian Tang
Oral	3154: Learning With Incomplete Labels	Yingming Li, Zenglin Xu, Zhongfei Zhang
Oral	806: A Probabilistic Hierarchical Model for Multi-View and Multi-Feature Classification	Jinxing Li, Hongwei Yong, Bob Zhang, Mu Li, Lei Zhang, David Zhang
Oral	3174: Improving the Adversarial Robustness and Interpretability of Deep Neural Networks by Regularizing Their Input Gradients	Andrew Slavin Ross, Finale Doshi-Velez
	Tech Session 9: NLP and Text Mining (NLPTM) (NLPML) (NLPKR)	Wed 11:30-12:30, Jackson
Oral	2628: An Unsupervised Model With Attention Autoencoders for Question Retrieval	Minghua Zhang, Yunfang Wu
Oral	759: MathDQN: Solving Arithmetic Word Problems via Deep Reinforcement Learning	Lei Wang, Dongxiang Zhang, Lianli Gao, Jingkuan Song, Long Guo, Heng Tao Shen
Oral	2583: Question-Answering with Grammatically-Interpretable Representations	Hamid Palangi, Paul Smolensky, Xiaodong He, Li Deng
Oral	4430: A Multilayer Convolutional Encoder-Decoder Neural Network for Grammatical Error Correction	Shamil Chollampatt, Hwee Tou Ng