

AAAI-17/IAAI-17/EAAI-17 Technical Program

(The AAAI Workshop, Tutorial, and Doctoral Consortium Programs will be held Saturday and Sunday, February 4-5.)

AAAI Oral Presentation
AAAI Poster Spotlight Presentation
AAAI
IAAI
EAAI

Sunday, February 5

9:30am - 6:00pm

AAAI	Sun 9:30-6, Continental 5
AAAI-17 AI in Practice	

9:00am - 5:05pm

AAAI	Sun 9-5:05, Grand Ballroom A (tabletops), Continental 6 (talks)
AAAI / SIGAI AI Job Fair	

9:00 - 9:05am

EAAI	Sun 9-9:05, Golden Gate 1-2
EAAI-17 Welcome	Sven Koenig and Eric Eaton

9:05 - 10:05am

EAAI	Sun 9:05-10:05, Golden Gate 1-2
EAAI-17 Invited Talk	Ayanna Howard

10:05 - 10:30am

EAAI-17 Accepted Papers I: Main Track	Sun 10:05-10:30, Golden Gate 1-2
Recovering Concept Prerequisite Relations from University Course Dependencies	Chen Liang, Jianbo Ye, Zhaohui Wu, Bart Pursel, C. Lee Giles
Poster Spotlight: AI Projects for Computer Science Capstone Classes	Matthew E. Taylor, Sakire Arslan Ay
Poster Spotlight: Online SPARC for Drawing and Animation	Elias Marcopulos, Maede Rayatidamavandi, Crisel Suarez, Yuanlin Zhang

11:00am - 12:10pm

EAAI-17 Model AI Assignments I	Sun 11-12:10, Golden Gate 1-2
An Introduction to Monte Carlo Techniques in AI – Part II	Todd Neller
Organic Pathfinding	Joshua Eckroth
Implementing a Hidden Markov Model Toolkit	Sravana Reddy
Visual Servoing	Ariel Anders, Sertac Karaman
Poster Spotlight: Application for AI-OCR Module: Auto Detection of Emails/Letter Images	Kelsey Fargas, Bingjie Zhou, Elizabeth Staruk, Sheila Tejada
Poster Spotlight: Exploring Artificial Intelligence Through Image Recognition	Kelsey Fargas, Bingjie Zhou, Elizabeth Staruk, Sheila Tejada

2:15 - 2:30pm

EAAI-17 Accepted Papers II: REU Track	Sun 2:15-2:30, Golden Gate 1-2
A Summer Research Experience in Robotics	Cindy M. Grimm, Alicia Lyman-Holt, William D. Smart

2:30 - 3:30pm

EAAI	Sun 2:30-3:30, Golden Gate 1-2
EAAI-17 Panel on NSF Research Experience for Undergraduates (REU) Sites	Panelists: Georgios Anagnostopoulos, Stephanie E. August, Zach Dodds and Bill Smart. Moderated by Eric Eaton.

4:00 - 4:50pm

EAAI-17 Not-So-Grand (NSG) Challenge I	Sun 4-4:50, Golden Gate 1-2
Cornhole: A Widely-Accessible AI Robotics Task	Nate Derbinsky, Tyler M. Frasca
A Monte Carlo Localization Assignment Using a Neato Vacuum with ROS	Zuozhi Yang, Todd W. Neller
An Image Wherever You Look! Making Vision Just Another Sensor for AI/Robotics Projects	Andy Zhang, John Lee, Ciente Jones, Zachary Dodds
Open-Ended Robotics Exploration Projects for Budding Researchers	David R. Musicant, Abha Laddha, Tom Choi
Creating Serious Robots that Improve Society	Susan P. Imberman, Jean McManus, Gina Otts
Dude, Where's My Robot? A Localization Challenge for Undergraduate Robotics	Paul Ruvolo

5:00 - 5:50pm

EAAI-17 Blue Sky Ideas in AI Education from the New and Future AI Educator Program	Sun 5-5:50, Golden Gate 1-2
Bridging Across Disciplines	Claudia Schulz
Student-Centric Discovery	Francesco Maurelli
AI in K-12 Education	John Lee
The Role of Ethics in AI Education	Joshua Eckroth
AI Education through Real-World Problems	Mark Crowley
Making AI Concepts More Accessible	Richard G. Freedman
Rethinking the AI Ethics Education Context	Rogelio E. Cardona-Rivera
Lifelong Kindergarten for AI	Tiago Machado
Training Students in AI Ethics	Tom Williams

5:50 - 6:30pm		
	EAAI-17 Open Demos and Hands-on Explorations	Sun 5:50-6:30, Golden Gate 1-2
6:00 - 7:30pm		
	AAAI	Sun 6-7:30, Yosemite Ballroom
	AAAI-17 Opening Reception	
8:00 - 9:00pm		
	AAAI	Sun 8-9, Continental 5
	AAAI-17 Invited Talk: The Creation of the US National Artificial Intelligence Research and Development Strategic Plan	Lynne Parker

Monday, February 6

8:30 - 8:55am		
	AAAI	Mon 8:30-8:55, Continental 4-6
	Welcome and Opening Remarks, AAAI Organizational Awards/Honors	
9:00 - 9:50am		
	AAAI	Mon 9:00-9:50, Continental 4-6
	AAAI-17 Invited Talk	Rosalind Picard
10:00 - 11:00am		
	ML1: Optimization	Mon 10-11, Continental 7-8
Oral	1291: Scalable Multitask Policy Gradient Reinforcement Learning	Salam El Bsar, Haitham Bou Ammar, Matthew E. Taylor
Oral	3293: Communication Lower Bounds for Distributed Convex Optimization: Partition Data on Features	Zihao Chen, Luo Luo, Zhihua Zhang
Oral	696: Scalable Feature Selection via Distributed Diversity Maximization	Sepehr Abbasi Zadeh, Mehrdad Ghadiri, Vahab Mirrokni, Morteza Zadimoghaddam
Poster	1806: Asynchronous Stochastic Proximal Optimization Algorithms with Variance Reduction	Qi Meng, Wei Chen, Jingcheng Yu, Taifeng Wang, Zhi-Ming Ma, Tie-Yan Liu
Poster	189: Adaptive Proximal Average Approximation for Composite Convex Minimization	Li Shen, Wei Liu, Junzhou Huang, Yu-Gang Jiang, Shiqian Ma
Poster	2637: Value Compression of Pattern Databases	Nathan R. Sturtevant, Ariel Felner, Malte Helmert
	AIW1: Crowdsourcing Techniques and Methodologies	Mon 10-11, Continental 9
Oral	3095: JAG: A Crowdsourcing Framework for Joint Assessment and Peer Grading	Igor Labutov, Christoph Studer
Oral	3076: Learning Attributes from the Crowdsourced Relative Labels	Tian Tian, Ning Chen, Jun Zhu
Oral	2387: A Theoretical Analysis of First Heuristics of Crowdsourced Entity Resolution	Arya Mazumdar, Barna Saha
Poster	1037: Pairwise HITS: Quality Estimation from Pairwise Comparisons in Creator-Evaluator Crowdsourcing Process	Takeru Sunahase, Yukino Baba, Hisashi Kashima
Poster	1475: Species Distribution Modeling of Citizen Science Data as a Classification Problem with Class-Conditional Noise	Rebecca A. Hutchinson, Liqiang He, Sarah C. Emerson
Poster	3310: PIVE: Per-Iteration Visualization Environment for Real-time Interactions with Dimension Reduction and Clustering	Hannah Kim, Jaegul Choo, Changhyun Lee, Hanseung Lee, Chandan K. Reddy, Haesun Park
	ML2: Preferences/Ranking Learning	Mon 10-11, Continental 1-3
Oral	1423: Parameter Free Large Margin Nearest Neighbor for Distance Metric Learning	Kun Song, Feiping Nie, Junwei Han, Xuelong Li
Oral	2624: Selecting Sequences of Items via Submodular Maximization	Sebastian Tschiatschek, Adish Singla, Andreas Krause
Oral	175: Generalization Analysis for Ranking Using Integral Operator	Yong Liu, Shizhong Liao, Hailun Lin, Yinliang Yue, Weiping Wang
Poster	1770: Cross-Domain Ranking via Latent Space Learning	Jie Tang, Wendy Hall
Poster	2270: Coactive Critiquing: Elicitation of Preferences and Features	Stefano Teso, Paolo Dragone, Andrea Passerini
Poster	1796: Inductive Pairwise Ranking: Going Beyond the $n \log(n)$ Barrier	U.N. Niranjan, Arun Rajkumar
	VIS1: Language and Vision	Mon 10-11, Golden Gate 7-8
Oral	1743: Text-Guided Attention Model for Image Captioning	Jonghwan Mun, Minsu Cho, Bohyung Han
Oral	2172: Video Captioning with Listwise Supervision	Yuan Liu, Xue Li, Zhongchao Shi
Oral	456: Reference Based LSTM for Image Captioning	Minghai Chen, Guiguang Ding, Sicheng Zhao, Hui Chen, Jungong Han, Qiang Liu
Poster	772: Image Caption with Global-Local Attention	Linghui Li, Sheng Tang, Lixi Deng, Yongdong Zhang, Qi Tian
Poster	1454: Leveraging Video Descriptions to Learn Video Question Answering	Kuo-Hao Zeng, Tseng-Hung Chen, Ching-Yao Chuang, Yuan-Hong Liao, Juan Carlos Niebles, Min Sun
Poster	453: Sherlock: Scalable Fact Learning in Images	Mohamed Elhoseiny, Scott Cohen, Walter Chang, Brian Price, Ahmed Elgammal
	MLA1: Recommender Systems	Mon 10-11, Golden Gate 3
Oral	1181: GLOMA: Embedding Global Information in Local Matrix Approximation Models for Collaborative Filtering	Chao Chen, Dongsheng Li, Qin Lv, Junchi Yan, Li Shang, Stephen M. Chu
Oral	582: ERMMA: Expected Risk Minimization for Matrix Approximation-Based Recommender Systems	Dongsheng Li, Chao Chen, Qin Lv, Li Shang, Stephen M. Chu, Hongyuan Zha
Oral	1285: Low-Rank Linear Cold-Start Recommendation from Social Data	Suvash Sedhain, Aditya Krishna Menon, Scott Sanner, Lexing Xie, Darius Braziunas

Poster	1660: A Hybrid Collaborative Filtering Model with Deep Structure for Recommender Systems	Xin Dong, Lei Yu, Zhonghuo Wu, Yuxia Sun, Lingfeng Yuan, Fangxi Zhang
Poster	1095: Collaborative Dynamic Sparse Topic Regression with User Profile Evolution for Item Recommendation	Li Gao, Jia Wu, Chuan Zhou, Yue Hu
Poster	1053: Discrete Personalized Ranking for Fast Collaborative Filtering from Implicit Feedback	Yan Zhang, Defu Lian, Guowu Yang
KRR1: Computational Complexity of Reasoning		Mon 10-11, Golden Gate 4
Oral	2102: Ontology-Based Data Access with a Horn Fragment of Metric Temporal Logic	S. Brandt, E. Güzel Kalayci, R. Kontchakov, V. Ryzhikov, G. Xiao, M. Zakharyashev
Oral	402: Query Answering in DL-Lite with Datatypes: A Non-Uniform Approach	André Hernich, Julio Lemos, Frank Wolter
Oral	2107: Number Restrictions on Transitive Roles in Description Logics with Nominals	Victor Gutiérrez-Basulto, Yazmin Ibáñez-García, Jean Christoph Jung
Poster	2878: Ontology-Mediated Queries for Probabilistic Databases	Stefan Borgwardt, Ismail Ilkan Ceylan, Thomas Lukasiewicz
Poster	2443: SAT Encodings for Distance-Based Belief Merging Operators	Sébastien Konieczny, Jean-Marie Lagniez, Pierre Marquis
Poster	532: Checking the Consistency of Combined Qualitative Constraint Networks	Quentin Cohen-Solal, Maroua Bouzid, Alexandre Niveau
GTEP1: E-Commerce and Auctions		Mon 10-11, Golden Gate 6
Oral	2041: Revenue Maximization for Finitely Repeated Ad Auctions	Jiang Rong, Tao Qin, Bo An, Tie-Yan Liu
Oral	2909: Market Pricing for Data Streams	Melika Abolhassani, Hossein Esfandiari, MohammadTaghi Hajiaghayi, Brendan Lucier, Hadi Yami
Oral	2562: Mechanism Design in Social Networks	Bin Li, Dong Hao, Dengji Zhao, Tao Zhou
Poster	2250: Proper Proxy Scoring Rules	Jens Witkowski, Pavel Atanasov, Lyle H. Ungar, Andreas Krause
Poster	908: Sequential Peer Prediction: Learning to Elicit Effort Using Posted Prices	Yang Liu, Yiling Chen
Poster	2975: A Study of Compact Reserve Pricing Languages	MohammadHossein Bateni, Hossein Esfandiari, Vahab Mirrokni, Saeed Seddighin
AIW2: AI for Multimedia and Multimodal Web Applications		Mon 10-11, Plaza A
Oral	321: MultiTask Deep Learning for User Intention Understanding in Speech Interaction Systems	Yishuang Ning, Jia Jia, Zhiyong Wu, Runnan Li, Yongsheng An, Yanfeng Wang, Helen Meng
Oral	379: Transitive Hashing Network for Heterogeneous Multimedia Retrieval	Zhangjie Cao, Mingsheng Long, Jianmin Wang, Qiang Yang
Oral	933: CLARE: A Joint Approach to Label Classification and Tag Recommendation	Yilin Wang, Suhang Wang, Jiliang Tang, Guojun Qi, Huan Liu, Baoxin Li
Poster	963: Web-Based Semantic Fragment Discovery for Online Lingual-Visual Similarity	Xiaoshuai Sun, Jiwei Cao, Chao Li, Lei Zhu, Heng Tao Shen
Poster	680: Learning Visual Sentiment Distributions via Augmented Conditional Probability Neural Network	Jufeng Yang, Ming Sun, Xiaoxiao Sun
Poster	3353: TweetFit: Fusing Multiple Social Media and Sensor Data for Wellness Profile Learning	Aleksandr Farseev, Tat-Seng Chua
NLP1: Semantics and Summarization		Mon 10-11, Plaza B
Oral	2806: Geometry of Compositionality	Hongyu Gong, Suma Bhat, Pramod Viswanath
Oral	2682: Open-Vocabulary Semantic Parsing with both Distributional Statistics and Formal Knowledge	Matt Gardner, Jayant Krishnamurthy
Oral	872: Semantic Parsing with Neural Hybrid Trees	Raymond Hendy Susanto, Wei Lu
Poster	622: Incrementally Learning the Hierarchical Softmax Function for Neural Language Models	Hao Peng, Jianxin Li, Yangqiu Song, Yaopeng Liu
Poster	1465: Definition Modeling: Learning to Define Word Embeddings in Natural Language	Thanapon Noraset, Chen Liang, Larry Birnbaum, Doug Downey
Poster	256: Learning Context-Specific Word/Character Embeddings	Xiaoqing Zheng, Jiangtao Feng, Yi Chen, Haoyuan Peng, Wenqing Zhang
IAAI		Mon 10-11, Continental 4-6
IAAI-17 Engelmore Award Lecture		David Aha
EAAI		Mon 10-11, Golden Gate 1-2
EAAI-17 Panel on AI Ethics Education		Panelists: Judy Goldsmith, Ben Kuipers and Illah Nourbakhsh. Moderated by Sven Koenig

11:30am - 12:30pm

ML3: Big Data / Scalability		Mon 11:30-12:30, Continental 7-8
Oral	1061: MPGL: An Efficient Matching Pursuit Method for Generalized LASSO	Dong Gong, Mingkui Tan, Yanning Zhang, Anton van den Hengel, Qinfeng Shi
Oral	389: Ordinal Constrained Binary Code Learning for Nearest Neighbor Search	Hong Liu, Rongrong Ji, Yongjian Wu, Feiyue Huang
Oral	1733: SCOPE: Scalable Composite Optimization for Learning on Spark	Shen-Yi Zhao, Ru Xiang, Ying-Hao Shi, Peng Gao, Wu-Jun Li
Poster	2260: Approximate Conditional Gradient Descent on Multi-Class Classification	Zhuanghua Liu, Ivor Tsang
Poster	734: Distributed Negative Sampling for Word Embeddings	Stergios Stergiou, Zygimantas Straznickas, Rolina Wu, Kostas Tsioutsouliklis
Poster	2407: Accelerated Variance Reduced Stochastic ADMM	Yuanyuan Liu, Fanhua Shang, James Cheng
ML4: Relational / Graph-Based Learning		Mon 11:30-12:30, Continental 1-3

Oral	1085: Efficient Sparse Low-Rank Tensor Completion Using the Frank-Wolfe Algorithm	Xiawei Guo, Quanming Yao, James T. Kwok
Oral	1826: Column Networks for Collective Classification	Trang Pham, Truyen Tran, Dinh Phung, Svetha Venkatesh
Oral	426: Twin Learning for Similarity and Clustering: A Unified Kernel Approach	Zhao Kang, Chong Peng, Qiang Cheng
Poster	2253: Lifted Inference for Convex Quadratic Programs	Martin Mladenov, Leonard Kleinhans, Kristian Kersting
Poster	2689: Non-Negative Inductive Matrix Completion for Discrete Dyadic Data	Piyush Rai
Poster	1324: Latent Smooth Skeleton Embedding	Li Wang, Qi Mao, Ivor W. Tsang
VIS2: Categorization		Mon 11:30-12:30, Golden Gate 7-8
Oral	1312: Multi-Path Feedback Recurrent Neural Networks for Scene Parsing	Xiaojie Jin, Yunpeng Chen, Zequn Jie, Jiashi Feng, Shuicheng Yan
Oral	757: An End-to-End Spatio-Temporal Attention Model for Human Action Recognition from Skeleton Data	Sijie Song, Cuiling Lan, Junliang Xing, Wenjun Zeng, Jiaying Liu
Oral	61: Quantifying and Detecting Collective Motion by Manifold Learning	Qi Wang, Mulin Chen, Xuelong Li
Poster	111: Weakly Supervised Learning of Part Selection Model with Spatial Constraints for Fine-grained Image Classification	Xiangteng He, Yuxin Peng
Poster	298: Depth CNNs for RGB-D Scene Recognition: Learning from Scratch Better than Transferring from RGB-CNNs	Xinhang Song, Luis Herranz, Shuqiang Jiang
Poster	1455: Image Cosegmentation via Saliency-Guided Constrained Clustering with Cosine Similarity	Zhiqiang Tao, Hongfu Liu, Huazhu Fu, Yun Fu
MLA2: Images and Video		Mon 11:30-12:30, Golden Gate 3
Oral	3000: Bridging Video Content and Comments: Synchronized Video Description with Temporal Summarization of Crowdsourced Time-Sync Comments	Linli Xu, Chao Zhang
Oral	273: Robust Manifold Matrix Factorization for Joint Clustering and Feature Extraction	Lefei Zhang, Qian Zhang, Bo Du, Dacheng Tao, Jane You
Oral	2841: Event Video Mashup: From Hundreds of Videos to Minutes of Skeleton	Lianli Gao, Peng Wang, Jingkuan Song, Zi Huang, Jie Shao, Heng Tao Shen
Poster	2960: Enabling Dark Energy Science with Deep Generative Models of Galaxy Images	Siamak Ravanbakhsh, François Lanusse, Rachel Mandelbaum, Jeff Schneider, Barnabás Póczos
Poster	542: Multidimensional Scaling on Multiple Input Distance Matrices	Song Bai, Xiang Bai, Longin Jan Latecki, Qi Tian
Poster	2561: Contextual RNN-GANs for Abstract Reasoning Diagram Generation	Viveka Kulharia, Arnab Ghosh, Amitabha Mukerjee, Vinay Namboodiri, Mohit Bansal
KRR2: Ontologies		Mon 11:30-12:30, Golden Gate 4
Oral	1773: Trust-Sensitive Evolution of DL-Lite Knowledge Bases	Dmitriy Zheleznyakov, Evgeny Kharlamov, Ian Horrocks
Oral	283: Small is Beautiful: Computing Minimal Equivalent EL Concepts	Nadeschda Nikitina, Patrick Koopmann
Oral	1958: <i>The Unusual Suspects</i> : Deep Learning Based Mining of Interesting Entity Trivia from Knowledge Graphs	Nausheen Fatma, Manoj K. Chinnakotla, Manish Shrivastava
Poster	2379: Efficient Evaluation of Answer Set Programs with External Sources Based on External Source Inlining	Christoph Redl
Poster	2616: On Equivalence and Inconsistency of Answer Set Programs with External Sources	Christoph Redl
Poster	1074: Efficiently Answering Technical Questions — A Knowledge Graph Approach	Shuo Yang, Lei Zou, Zhongyuan Wang, Jun Yan, Ji-Rong Wen
GTEP2: Social Choice / Voting		Mon 11:30-12:30, Golden Gate 6
Oral	1809: Network, Popularity and Social Cohesion: A Game-Theoretic Approach	Jiamou Liu, Ziheng Wei
Oral	647: Recognising Multidimensional Euclidean Preferences	Dominik Peters
Oral	1287: What Do Multiwinner Voting Rules Do? An Experiment Over the Two-Dimensional Euclidean Domain	Edith Elkind, Piotr Faliszewski, Jean-François Laslier, Piotr Skowron, Arkadii Slinko, Nimrod Talmon
Poster	2029: On Covering Codes and Upper Bounds for the Dimension of Simple Games	Martin Olsen
Poster	219: Preferences Single-Peaked on a Circle	Dominik Peters, Martin Lackner
Poster	1221: Approximation and Parameterized Complexity of Minimax Approval Voting	Marek Cygan, Lukasz Kowalik, Arkadiusz Socała, Krzysztof Sornat
AIW3: Social Networking and Community Identification		Mon 11:30-12:30, Plaza A
Oral	2040: Community Preserving Network Embedding	Xiao Wang, Peng Cui, Jing Wang, Jian Pei, Wenwu Zhu, Shiqiang Yang
Oral	1753: Random-Radius Ball Method for Estimating Closeness Centrality	Wataru Inariba, Takuya Akiba, Yuichi Yoshida
Oral	731: Joint Identification of Network Communities and Semantics via Integrative Modeling of Network Topologies and Node Contents	Dongxiao He, Zhiyong Feng, Di Jin, Xiaobao Wang, Weixiong Zhang
Poster	435: Finding Critical Users for Social Network Engagement: The Collapsed k-Core Problem	Fan Zhang, Ying Zhang, Lu Qin, Wenjie Zhang, Xuemin Lin
Poster	795: Correlated Cascades: Compete or Cooperate	Ali Zarezade, Ali Khodadadi, Mehrdad Farajtabar, Hamid R. Rabiee, Hongyuan Zha
Poster	2595: Profit-Driven Team Grouping in Social Networks	Shaojie Tang
AAAI		Mon 11:30-12:30, Plaza B
AAAI Classic Paper Award Lecture: AAAI-99 Paper: Monte Carlo Localization: Efficient Position Estimation for Mobile Robots		Dieter Fox

	IAAI-17: Transportation: AI Applied to Safer and More Efficient Travel	Mon 11:30-12:30, Golden Gate 5
	Risk-Aware Planning: Methods and Case Study on Safe Driving Routes	John Krumm, Eric Horvitz
	Predicting Fuel Consumption and Flight Delays for Low-Cost Airlines	Yuji Horiguchi, Yukino Baba, Hisashi Kashima, Masahito Suzuki, Hiroki Kayahara, Jun Maeno
	Determining Relative Airport Threats from News and Social Media	Rupinder P. Khandpur, Taoran Ji, Yue Ning, Liang Zhao, Chang-Tien Lu, Erik R. Smith, Christopher Adams, Naren Ramakrishnan
	EAAI-17 Model AI Assignments II	Mon 11:30-12:15, Golden Gate 1-2
	An Introduction to Behavior-Based Robotics	Joshua Ziegler, Jason Bindewald, Gilbert Peterson
	Machine Learning for Everyone: Introduction to Classification and Clustering	Thomas Way, Paula Matuszek, Lillian Cassel, Mary-Angela Papalaskari, Carol Weiss
	Git Planner	Joshua Eckroth
	EAAI-17 Accepted Papers III: AI for Education and Outreach	Mon 12:15-12:30, Golden Gate 1-2
	ARTY: Fueling Creativity through Art, Robotics and Technology for Youth	Debra T. Burhans, Karthik Dantu

2:00 - 3:30pm

	ML5: Transfer; Adaptation; Multitask Learning	Mon 2-3:30, Continental 7-8
Oral	2235: Learning Safe Prediction for Semi-Supervised Regression	Yu-Feng Li, Han-Wen Zha, Zhi-Hua Zhou
Oral	880: Distant Domain Transfer Learning	Ben Tan, Yu Zhang, Sinno Jialin Pan, Qiang Yang
Oral	1582: Sparse Deep Transfer Learning for Convolutional Neural Network	Jiaming Liu, Yali Wang, Yu Qiao
Oral	1857: Deep Learning for Fixed Model Reuse	Yang Yang, De-Chuan Zhan, Ying Fan, Yuan Jiang, Zhi-Hua Zhou
Poster	491: Transfer Reinforcement Learning with Shared Dynamics	Romain Laroche, Merwan Barlier
Poster	1051: Transfer Learning for Deep Learning on Graph-Structured Data	Jaekoo Lee, Hyunjae Kim, Jongsun Lee, Sungroh Yoon
Poster	2933: Automatic Curriculum Graph Generation for Reinforcement Learning Agents	Maxwell Svetlik, Matteo Leonetti, Jivko Sinapov, Rishi Shah, Nick Walker, Peter Stone
Poster	2411: Unsupervised Domain Adaptation with a Relaxed Covariate Shift Assumption	Tameem Adel, Han Zhao Alexander Wong
Poster	530: Fast Generalized Distillation for Semi-Supervised Domain Adaptation	Shuang Ao, Xiang Li, Charles X. Ling
Poster	2774: Cross-Domain Kernel Induction for Transfer Learning	Wei-Cheng Chang, Yuexin Wu, Hanxiao Liu, Yiming Yang
Poster	879: Learning Sparse Task Relations in Multi-Task Learning	Yu Zhang, Qiang Yang
Poster	82: Growing Interpretable Part Graphs on ConvNets via Multi-Shot Learning	Quanshi Zhang, Ruiming Cao, Ying Nian Wu, Song-Chun Zhu
Poster	381: Fredholm Multiple Kernel Learning for Semi-Supervised Domain Adaptation	Wei Wang, Hao Wang, Chen Zhang, Yang Gao
	What's Hot 1	Mon 2-3:30, Continental 9
	ANAC: The Seventh International Automated Negotiating Agents Competition	Catholijn Jonker
	CP: International Conference on Principles and Practice of Constraint Programming	Michel Rueher and Laurent Michel
	SAT: The International SAT Competitions	Marijn Heule, Matti Jarvisalo, Tomas Balyo
	CPAIOR: Thirteenth International Conference on Integration of Artificial Intelligence and Operations Research Techniques in Constraint Programming	Claude-Guy Quimper
	ICCB: 24th International Conference on Case Based Reasoning	Ashok Goel
	AIIDE: The Twelfth Annual AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment	
	ML6: Learning Theory	Mon 2-3:30, Continental 1-3
Oral	1357: Efficient Non-Oblivious Randomized Reduction for Risk Minimization with Improved Excess Risk Guarantee	Yi Xu, Haiqin Yang, Lijun Zhang, Tianbao Yang
Oral	1011: Near-Optimal Active Learning of Halfspaces via Query Synthesis in the Noisy Setting	Lin Chen, Hamed Hassani, Amin Karbasi
Oral	1784: Generalization Error Bounds for Optimization Algorithms via Stability	Qi Meng, Yue Wang, Wei Chen, Taifeng Wang, Zhi-Ming Ma, Tie-Yan Liu
Oral	186: Self-Paced Learning: An Implicit Regularization Perspective	Yanbo Fan, Ran He, Jian Liang, Baogang Hu
Poster	1304: Learning Residual Alternating Automata	Sebastian Berndt, Maciej Liskiewicz, Matthias Lutter, Rüdiger Reischuk
Poster	1396: Active Search for Sparse Signals with Region Sensing	Yifei Ma, Roman Garnett, Jeff Schneider
Poster	1844: The Bernstein Mechanism: Function Release under Differential Privacy	Francesco Aldà, Benjamin I.P. Rubinfeld
Poster	3015: A Unified Algorithm for One-Class Structured Matrix Factorization with Side Information	Hsiang-Fu Yu, Hsin-Yuan Huang, Inderjit S. Dhillon, Chih-Jen Lin
Poster	2475: Label Efficient Learning by Exploiting Multi-Class Output Codes	Maria Florina Balcan, Travis Dick, Yishay Mansour
Poster	1270: Robust Loss Functions under Label Noise for Deep Neural Networks	Aritra Ghosh, Himanshu Kumar, P. S. Sastry
Poster	1385: Generalized Ambiguity Decompositions for Classification with Applications in Active Learning and Unsupervised Ensemble Pruning	Zhengshen Jiang, Hongzhi Liu, Bin Fu, Zhonghai Wu
Poster	940: Modeling Skewed Class Distributions by Reshaping the Concept Space	Kyle D. Feuz, Diane J. Cook
Poster	1605: Tsallis Regularized Optimal Transport and Ecological Inference	Boris Muzellec, Richard Nock, Giorgio Patrini, Frank Nielsen

	VIS3: Object Recognition	Mon 2-3:30, Golden Gate 7-8
Oral	2146: Fully Convolutional Neural Networks with Full-Scale-Features for Semantic Segmentation	Tianxiang Pan, Bin Wang, Guiguang Ding, Jun-Hai Yong
Oral	681: An Artificial Agent for Robust Image Registration	Rui Liao, Shun Miao, Pierre de Tournemire, Sasa Grbic, Ali Kamen, Tommaso Mansi, Dorin Comanicu
Oral	1201: Weakly Supervised Semantic Segmentation Using Superpixel Pooling Network	Suha Kwak, Seunghoon Hong, Bohyung Han
Oral	602: TextBoxes: A Fast Text Detector with a Single Deep Neural Network	Minghui Liao, Baoguang Shi, Xiang Bai, Xinggong Wang, Wenyu Liu
Poster	1280: Nonnegative Orthogonal Graph Matching	Bo Jiang, Jin Tang, Chris Ding, Bin Luo
Poster	936: Inception-v4, Inception-ResNet and the Impact of Residual Connections on Learning	Christian Szeged, Sergey Ioffe, Vincent Vanhoucke, Alexander A. Alemi
Poster	1959: Learning Heterogeneous Dictionary Pair with Feature Projection Matrix for Pedestrian Video Retrieval via Single Query Image	Xiaoke Zhu, Xiao-Yuan Jing, Fei Wu, Yunhong Wang, Wangmeng Zuo, Wei-Shi Zheng
Poster	3335: A Leukocyte Detection Technique in Blood Smear Images Using Plant Growth Simulation Algorithm	Deblina Bhattacharjee, Anand Paul
Poster	3024: Using Discourse Signals for Robust Instructor Intervention Prediction	Muthu Kumar Chandrasekaran, Carrie Demmans Epp, Min-Yen Kan, Diane Litman
Poster	865: Understanding the Semantic Structures of Tables with a Hybrid Deep Neural Network Architecture	Kyosuke Nishida, Kugatsu Sadamitsu, Ryuichiro Higashinaka, Yoshihiro Matsuo
Poster	673: ProjE: Embedding Projection for Knowledge Graph Completion	Baoxu Shi, Tim Weninger
Poster	2875: Disambiguating Spatial Prepositions Using Deep Convolutional Networks	Kaveh Hassani, Won-Sook Lee
Poster	2845: Extracting Urban Microclimates from Electricity Bills	Thuy Vu, D. S. Parker
	MLA3: Machine Learning Applications	Mon 2-3:30, Golden Gate 3
Oral	611: Coupling Implicit and Explicit Knowledge for Customer Volume Prediction	Jingyuan Wang, Yating Lin, Junjie Wu, Zhong Wang, Zhang Xiong
Oral	356: Learning Implicit Tasks for Patient-Specific Risk Modeling in ICU	Nozomi Nori, Hisashi Kashima, Kazuto Yamashita, Susumu Kunisawa, Yuichi Imanaka
Oral	466: Semantic Proximity Search on Heterogeneous Graph by Proximity Embedding	Zemin Liu, Vincent W. Zheng, Zhou Zhao, Fanwei Zhu, Kevin Chen-Chuan Chang, Minghui Wu, Jing Ying
Oral	1361: Discriminative Semi-Supervised Dictionary Learning with Entropy Regularization for Pattern Classification	Meng Yang, Lin Chen
Poster	1622: Beyond IID: Learning to Combine Non-IID Metrics for Vision Tasks	Yinghuan Shi, Wenbin Li, Yang Gao, Longbing Cao, Dinggang Shen
Poster	1289: Deep Spatio-Temporal Residual Networks for Citywide Crowd Flows Prediction	Junbo Zhang, Yu Zheng, Dekang Qi
Poster	19: On Predictive Patent Valuation: Forecasting Patent Citations and Their Types	Xin Liu, Junchi Yan, Shuai Xiao, Xiangfeng Wang, Hongyuan Zha, Stephen M. Chu
Poster	3190: Collaborative Company Profiling: Insights from an Employee's Perspective	Hao Lin, Hengshu Zhu, Yuan Zuo, Chen Zhu, Junjie Wu, Hui Xiong
Poster	2096: Multiset Feature Learning for Highly Imbalanced Data Classification	Fei Wu, Xiao-Yuan Jing, Shiguang Shan, Wangmeng Zuo, Jing-Yu Yang
Poster	3074: Semi-Supervised Multi-View Correlation Feature Learning with Application to Webpage Classification	Xiao-Yuan Jing, Fei Wu, Xiwei Dong, Shiguang Shan, Songcan Chen
Poster	3195: Predicting Soccer Highlights from Spatio-Temporal Match Event Streams	Tom Decroos, Vladimir Dzyuba, Jan Van Haaren, Jesse Davis
Poster	981: Neural Programming by Example	Chengxun Shu, Hongyu Zhang
Poster	1262: A Diversified Generative Latent Variable Model for WiFi-SLAM	Hao Xiong, Dacheng Tao
	KRR3: Knowledge Acquisition	Mon 2-3:30, Golden Gate 4
Oral	2082: Graph-Based Wrong IsA Relation Detection in a Large-Scale Lexical Taxonomy	Jiaqing Liang, Yanghua Xiao, Yi Zhang, Seung-won Hwang, Haixun Wang
Oral	2893: An Improved Algorithm for Learning to Perform Exception-Tolerant Abduction	Mengxue Zhang, Tushar Mathew, Brendan Juba
Oral	1040: On the Transitivity of Hypernym-Hyponym Relations in Data-Driven Lexical Taxonomies	Jiaqing Liang, Yi Zhang, Yanghua Xiao, Haixun Wang, Wei Wang, Pinpin Zhu
Oral	660: Strategic Sequences of Arguments for Persuasion Using Decision Trees	Emmanuel Hadoux, Anthony Hunter
Poster	2074: Solving Advanced Argumentation Problems with Answer-Set Programming	Gerhard Brewka, Martin Diller, Georg Heissenberger, Thomas Linsbichler, Stefan Woltran
Poster	3158: Preferential Structures for Comparative Probabilistic Reasoning	Matthew Harrison-Trainer, Wesley H. Holliday, Thomas F. Icard, III
Poster	2818: Vision-Language Fusion For Object Recognition	Sz-Rung Shiang, Stephanie Rosenthal, Anatole Gershman, Jaime Carbonell, Jean Oh
Poster	215: Long-Term Trends in the Public Perception of Artificial Intelligence	Ethan Fast, Eric Horvitz
Poster	1253: Psychologically Based Virtual-Suspect for Interrogative Interview Training	Moshe Bitan, Galit Nahari, Zvi Nisin, Sarit Kraus
Poster	2447: Explicit Defense Actions against Test-Set Attacks	Scott Alfeld, Xiaojin Zhu, Paul Barford
Poster	317: Towards Better Understanding the Clothing Fashion Styles: A Multimodal Deep Learning Approach	Yihui Ma, Jia Jia, Suping Zhou, Jingtian Fu, Yejun Liu, Zijian Tong

Poster	867: Beyond Monte Carlo Tree Search: Playing Go with Deep Alternative Neural Network and Long-Term Evaluation	Jinzhuo Wang, Wenmin Wang, Ronggang Wang, Wen Gao
Poster	1688: Integration of Planning with Recognition for Responsive Interaction Using Classical Planners	Richard G. Freedman, Shlomo Zilberstein
GTEP3: Equilibrium		Mon 2-3:30, Golden Gate 6
Oral	907: Disarmament Games	Yuan Deng, Vincent Conitzer
Oral	2239: Constrained Pure Nash Equilibria in Polymatrix Games	Sunil Simon, Dominik Wojtczak
Oral	1333: Non-Additive Security Games	Sinong Wang, Fang Liu, Ness Shroff
Oral	1520: Teams in Online Scheduling Polls: Game-Theoretic Aspects	Robert Brederbeck, Jiehua Chen, Rolf Niedermeier, Svetlana Obraztsova, Nimrod Talmon
Poster	1057: Team–Maxmin Equilibrium: Efficiency Bounds and Algorithms	Nicola Basilico, Andrea Celli, Giuseppe De Nittis, Nicola Gatti
Poster	2589: Resource Graph Games: A Compact Representation for Games with Structured Strategy Spaces	Albert Xin Jiang, Hau Chan, Kevin Leyton-Brown
Poster	1775: Selfish Knapsack	Itai Feigenbaum, Matthew P. Johnson
Poster	1529: Dynamic Thresholding and Pruning for Regret Minimization	Noam Brown, Christian Kroer, Tuomas Sandholm
Poster	951: Faster and Simpler Algorithm for Optimal Strategies of Blotto Game	Soheil Behnezhad, Sina Dehghani, Mahsa Derakhshan, MohammadTaghi HajiAghayi, Saeed Seddighin
Poster	2586: Nash Stability in Social Distance Games	Alkida Balliu, Michele Flammini, Giovanna Melideo, Dennis Olivetti
Poster	1424: Bounded Rationality of Restricted Turing Machines	Lijie Chen, Pingzhong Tang, Ruosong Wang
Poster	863: Tractable Algorithms for Approximate Nash Equilibria in Generalized Graphical Games with Tree Structure	Luis E. Ortiz, Mohammad T. Irfan
Poster	1876: Achieving Sustainable Cooperation in Generalized Prisoner's Dilemma with Observation Errors	Fuuki Shigenaka, Tadashi Sekiguchi, Atsushi Iwasaki, Makoto Yokoo
PS1: Planning		Mon 2-3:30, Plaza A
Oral	506: Accelerated Vector Pruning for Optimal POMDP Solvers	Erwin Walraven, Matthijs T. J. Spaan
Oral	2357: On the Disruptive Effectiveness of Automated Planning for LTL-Based Trace Alignment	Giuseppe De Giacomo, Fabrizio Maria Maggi, Andrea Marrella, Fabio Patrizi
Oral	1352: An Analysis of Monte Carlo Tree Search	Steven James, George Konidaris, Benjamin Rosman
Oral	2395: Incorporating Domain-Independent Planning Heuristics in Hierarchical Planning	Vikas Shivashankar, Ron Alford, David W. Aha
Poster	2736: Logical Filtering and Smoothing: State Estimation in Partially Observable Domains	Brent Mombourquette, Christian Muise, Sheila A. McIlraith
Poster	2183: Bounding the Probability of Resource Constraint Violations in Multi-Agent MDPs	Frits de Nijs, Erwin Walraven, Mathijs M. de Weerd, Matthijs T. J. Spaan
Poster	2339: Plan Reordering and Parallel Execution — A Parameterized Complexity View	Meysam Aghighi, Christer Bäckström
Poster	790: Three New Algorithms to Solve N-POMDPs	Yann Dujardin, Tom Dietterich, Iadine Chadès
Poster	2483: Multi-Agent Path Finding with Delay Probabilities	Hang Ma, T. K. Satish Kumar, Sven Koenig
Poster	1575: Collaborative Planning with Encoding of Users' High-level Strategies	Joseph Kim, Christopher J. Banks, Julie A. Shah
Poster	1825: Collective Multiagent Sequential Decision Making Under Uncertainty	Duc Thien Nguyen, Akshat Kumar, Hoong Chuin Lau
Poster	1740: Where to Add Actions in Human-in-the-Loop Reinforcement Learning	Travis Mandel, Yun-En Liu, Emma Brunskill, Zoran Popovic
Poster	2335: Fast Inverse Reinforcement Learning with Interval Consistent Graph for Driving Behavior Prediction	Masamichi Shimosaka, Junichi Sato, Kazuhito Takenaka, Kentarou Hitomi
NLP2: Learning		Mon 2-3:30, Plaza B
Oral	1210: Topic Aware Neural Response Generation	Chen Xing, Wei Wu, Yu Wu, Jie Liu, Yalou Huang, Ming Zhou, Wei-Ying Ma
Oral	25: Unsupervised Learning for Lexicon-Based Classification	Jacob Eisenstein
Oral	2958: A Dynamic Window Neural Network for CCG Supertagging	Huijia Wu, Jiajun Zhang, Chengqing Zong
Oral	570: Recurrent Attentional Topic Model	Shuangyin Li, Yu Zhang, Rong Pan, Mingzhi Mao, Yang Yang
Poster	1229: A Unified Model for Cross-Domain and Semi-Supervised Named Entity Recognition in Chinese Social Media	Hangfeng He, Xu Sun
Poster	2136: BattRAE: Bidimensional Attention-Based Recursive Autoencoders for Learning Bilingual Phrase Embeddings	Biao Zhang, Deyi Xiong, Jinsong Su
Poster	1583: A Hierarchical Latent Variable Encoder-Decoder Model for Generating Dialogues	Iulian Vlad Serban, Alessandro Sordani, Ryan Lowe, Laurent Charlin, Joelle Pineau, Aaron Courville, Yoshua Bengio
Poster	649: Bayesian Neural Word Embedding	Oren Barkan
Poster	2993: Coherent Dialogue with Attention-Based Language Models	Hongyuan Mei, Mohit Bansal, Matthew R. Walter
Poster	2908: Dual-Clustering Maximum Entropy with Application to Classification and Word Embedding	Xiaolong Wan, Jingjing Wang, Chengxiang Zhai
Poster	293: Variational Autoencoder for Semi-Supervised Text Classification	Weidi Xu, Haoze Sun, Chao Deng, Ying Tan
Poster	382: Translation Prediction with Source Dependency-Based Context Representation	Kehai Chen, Tiejun Zhao, Muyun Yang, Lemao Liu
Poster	1319: Joint Copying and Restricted Generation for Paraphrase	Ziqiang Cao, Chuwei Luo, Wenjie Li, Sujian Li
IAAI-17: Deployed AI Systems		Mon 2-3:30, Golden Gate 5
	Large-Scale Occupational Skills Normalization for Online Recruitment	Faizan Javed, Phuong Hoang, Thomas Mahoney, Matt McNair

	Phase-Mapper: An AI Platform to Accelerate High Throughput Materials Discovery	Yexiang Xue, Junwen Bai, Ronan Le Bras, Brendan Rappazzo, Richard Bernstein, Johan Bjorck, Liane Longpre, Santosh K. Suram, Robert B. van Dover, John Gregoire, Carla P. Gomes
	EAAI	Mon 2-2:50, Golden Gate 1-2
	AAAI-17/EAAI-17 Outstanding Educator Award Talk	Sebastian Thrun
	EAAI	Mon 2:50-3:30, Golden Gate 1-2
	EAAI-17 Panel on AI for Education	Panelists: Yolanda Gil, Ayanna Howard, Peter Norvig, Mehran Sahami, and Sebastian Thrun. Moderated by Sheila Tejada.
4:00 - 5:00pm		
	AAAI	Mon 4-5, Continental 4-6
	AAAI-17 Invited Panel: AI for Social Good	Panelists: Eric Horvitz, Peter Mockel, Lynne Parker, and Gideon Mann. Moderated by Milind Tambe.
5:10 - 6:10pm		
	AAAI	Mon 5:10-6:10, Continental 4-6
	AAAI-17 Invited Panel: AI History: Expert Systems	Panelists: Edward Feigenbaum, Bruce Buchanan, Randall Davis, Eric Horvitz. Moderated by David C. Brock.
6:30 - 8:30pm		
	AAAI	Mon 6:30-8:30, Imperial Ballroom
	AAAI-17 Poster / Demo Session 1	

Tuesday, February 7

7:30 - 8:45am

	AAAI	Tue 7:30-8:45, Vista Room
	Women's Mentoring Breakfast	Steve Young

8:50 - 9:50am

	AAAI	Tue 8:50-9:50, Continental 4-6
	AAAI-17 Invited Talk	Steve Young

10:00 - 11:00am

	ML7: Online Learning	Tue 10-11, Continental 7-8
Oral	1526: Estimating Uncertainty Online Against an Adversary	Volodymyr Kuleshov, Stefano Ermon
Oral	2470: Unimodal Thompson Sampling for Graph-Structured Arms	Stefano Paladino, Francesco Trovò, Marcello Restelli, Nicola Gatti
Oral	2336: Weighted Bandits Or: How Bandits Learn Distorted Values That Are Not Expected	Aditya Gopalan, Prashanth L.A., Michael Fu, Steve Marcus
Poster	1030: Online Active Linear Regression via Thresholding	Carlos Riquelme, Ramesh Johari, Baosen Zhang
Poster	1867: A Framework of Online Learning with Imbalanced Streaming Data	Yan Yan, Tianbao Yang, Yi Yang, Jianhui Chen
Poster	2004: Thompson Sampling for Stochastic Bandits with Graph Feedback	Aristide C. Y. Tossou, Christos Dimitrakakis, Devdatt Dubhashi
	Student Abstract Spotlights	Tue 10-11, Continental 9
	<i>A full list of nominated papers will be available in Continental 9.</i>	
	ML8: Feature Construction / Reformulation	Tue 10-11, Continental 1-3
Oral	699: Random Features for Shift-Invariant Kernels with Moment Matching	Weiwei Shen, Zhihui Yang, Jun Wang
Oral	500: Beyond RPCA: Flattening Complex Noise in the Frequency Domain	Yunhe Wang, Chang Xu, Chao Xu, Dacheng Tao
Oral	1450: Multi-View Correlated Feature Learning by Uncovering Shared Component	Xiaowei Xue, Feiping Nie, Sen Wang, Xiaojun Chang, Bela Stantic, Min Yao
Poster	1586: Cleaning the Null Space: A Privacy Mechanism for Predictors	Ke Xu, Tongyi Cao, Swair Shah, Crystal Maung, Haim Schweitzer
Poster	1496: Classification with Minimax Distance Measures	Morteza Haghir Chehreghani
Poster	1190: Scalable Graph Embedding for Asymmetric Proximity	Chang Zhou, Yuqiong Liu, Xiaofei Liu, Zhongyi Liu, Jun Gao
	VIS4: Deep Learning for Vision	Tue 10-11, Golden Gate 7-8
Oral	1391: A Multi-Task Deep Network for Person Re-Identification	Weihua Chen, Xiaotang Chen, Jianguo Zhang, Kaiqi Huang
Oral	218: Detection and Recognition of Text Embedded in Online Images via Neural Context Models	Chulmoo Kang, Gunhee Kim, Suk I. Yoo
Oral	498: Face Hallucination with Tiny Unaligned Images by Transformative Discriminative Neural Networks	Xin Yu, Fatih Porikli
Poster	1608: Attributes for Improved Attributes: A Multi-Task Network Utilizing Implicit and Explicit Relationships for Facial Attribute Classification	Emily M. Hand, Rama Chellappa
Poster	1653: Attention Correctness in Neural Image Captioning	Chenxi Liu, Junhua Mao, Fei Sha, Alan Yuille
Poster	165: Online Multi-Target Tracking Using Recurrent Neural Networks	Anton Milan, S. Hamid Rezatofighi, Anthony Dick, Ian Reid, Konrad Schindler
	MLA4: Applications of Deep Learning / Neural Networks	Tue 10-11, Golden Gate 3
Oral	393: ESPACE: Accelerating Convolutional Neural Networks via Eliminating Spatial and Channel Redundancy	Shaohui Lin, Rongrong Ji, Chao Chen, Feiyue Huang
Oral	2329: Fine-Grained Recurrent Neural Networks for Automatic Prostate Segmentation in Ultrasound Images	Xin Yang, Lequan Yu, Lingyun Wu, Yi Wang, Dong Ni, Jing Qin, Pheng-Ann Heng
Oral	1904: Question Difficulty Prediction for READING Problems in Standard Tests	Zhenya Huang, Qi Liu, Enhong Chen, Hongke Zhao, Mingyong Gao, Si Wei, Yu Su, Guoping Hu
Poster	1540: A Deep Hierarchical Approach to Lifelong Learning in Minecraft	Chen Tessler, Shahar Givony, Tom Zahavy, Daniel J. Mankowitz, Shie Mannor

Poster	535: Exploring Normalization in Deep Residual Networks with Concatenated Rectified Linear Units	Wenling Shang, Justin Chiu, Kihyuk Sohn
Poster	1982: Knowledge Transfer for Deep Reinforcement Learning with Hierarchical Experience Replay	Haiyan Yin, Sinno Jialin Pan
KRR4: Description Logics		Tue 10-11, Golden Gate 4
Oral	2195: Source Information Disclosure in Ontology-Based Data Integration	Michael Benedikt, Bernardo Cuenca Grau, Egor V. Kostylev
Oral	2976: Practical TBox Abduction Based on Justification Patterns	Jianfeng Du, Hai Wan, Huaguan Ma
Oral	1566: Ontology Materialization by Abstraction Refinement in Horn SHOIF	Birte Glimm, Yevgeny Kazakov, Trung-Kien Tran
Poster	1815: Compiling Graph Substructures into Sentential Decision Diagrams	Masaaki Nishino, Norihito Yasuda, Shin-ichi Minato, Masaaki Nagata
Poster	1509: LP ^{MLN} Weak Constraints, and P-log	Joohyung Lee, Zhun Yang
Poster	515: A SAT-Based Approach for Solving the Modal Logic S5-Satisfiability Problem	Thomas Caridroit, Jean-Marie Lagniez, Daniel Le Berre, Tiago de Lima and Valentin Montmirail
GTEP4: Auctions and Market-Based Systems		Tue 10-11, Golden Gate 6
Oral	3228: Randomized Mechanisms for Selling Reserved Instances in Cloud	Jia Zhang, Weidong Ma, Tao Qin, Xiaoming Sun, Tie-Yan Liu
Oral	1545: Automated Design of Robust Mechanisms	Michael Albert, Vincent Conitzer, Peter Stone
Oral	1494: Small Representations of Big Kidney Exchange Graphs	John P. Dickerson, Aleksandr M. Kazachkov, Ariel Procaccia, Tuomas Sandholm
Poster	591: The Dollar Auction with Spiteful Players	Marcin Waniek, Long Tran-Thanh, Tomasz P. Michalak, Nicholas R. Jennings
Poster	2813: Probably Approximately Efficient Combinatorial Auctions via Machine Learning	Gianluca Brero, Benjamin Lubin, Sven Seuken
Poster	2049: Strategic Signaling and Free Information Disclosure in Auctions	Shani Alkoby, David Sarne, Igal Milchtaich
ML9: Optimization		Tue 10-11, Plaza A
Oral	1337: Lock-Free Optimization for Non-Convex Problems	Shen-Yi Zhao, Gong-Duo Zhang, Wu-Jun Li
Oral	2240: Sequential Classification-Based Optimization for Direct Policy Search	Yi-Qi Hu, Hong Qian, Yang Yu
Oral	1699: A Nearly-Black-Box Online Algorithm for Joint Parameter and State Estimation in Temporal Models	Yusuf B. Erol, Yi Wu, Lei Li, Stuart Russell
Poster	1543: Active Search in Intensionally Specified Structured Spaces	Dino Oglic, Roman Garnett, Thomas Gartner
Poster	1972: Variable Kernel Density Estimation in High-Dimensional Feature Spaces	Christiaan M. van der Walt, Etienne Barnard
Poster	2693: Importance Sampling with Unequal Support	Philip S. Thomas, Emma Brunskill
NLP3: Parsing and Translation		Tue 10-11, Plaza B
Oral	2225: Deterministic Attention for Sequence-to-Sequence Constituent Parsing	Chunpeng Ma, Lemao Liu, Akihiro Tamura, Tiejun Zhao, Eiichiro Sumita
Oral	1703: Lattice-Based Recurrent Neural Network Encoders for Neural Machine Translation	Jinsong Su, Zhixing Tan, Deyi Xiong, Rongrong Ji, Xiaodong Shi, Yang Liu
Oral	3160: A Dependency-Based Neural Reordering Model for Statistical Machine Translation	Christian Hadiwinoto, Hwee Tou Ng
Poster	1745: Neural Machine Translation Advised by Statistical Machine Translation	Xing Wang, Zhengdong Lu, Zhaopeng Tu, Hang Li, Deyi Xiong, Min Zhang
Poster	1670: Robust Word Recognition via Semi-Character Recurrent Neural Network	Keisuke Sakaguchi, Kevin Duh, Matt Post, Benjamin Van Durme
Poster	558: Improving Word Embeddings with Convolutional Feature Learning and Subword Information	Shaosheng Cao, Wei Lu
PS2: Deterministic Planning		Tue 10-11, Golden Gate 1-2
Oral	1204: Narrowing the Gap Between Saturated and Optimal Cost Partitioning for Classical Planning	Jendrik Seipp, Thomas Keller, Malte Helmert
Oral	1484: Higher-Dimensional Potential Heuristics for Optimal Classical Planning	Florian Pommerening, Malte Helmert, Blai Bonet
Oral	1814: Best-First Width Search: Exploration and Exploitation in Classical Planning	Nir Lipovetzky, Hector Geffner
Poster	2481: Diagnosability Planning for Controllable Discrete Event Systems	Hassan Ibrahim, Philippe Dague, Alban Grastien, Lina Ye, Laurent Simon
Poster	2542: Human-Aware Plan Recognition	Hankui Hankui Zhuo
Poster	2181: Matrix Factorisation for Scalable Energy Breakdown	Nipun Batra, Hongning Wang, Amarjeet Singh, Kamin Whitehouse
IAAI:17 Invited Talk		Tue 10-11, Continental 4-6
	Enabling Autonomous Space Mission Operations with Artificial Intelligence	Jeremy Frank

11:30am - 12:30pm

ML10: Reinforcement Learning		Tue 11:30-12:30, Continental 7-8
Oral	755: SeqGAN: Sequence Generative Adversarial Nets with Policy Gradient	Lantao Yu, Weinan Zhang, Jun Wang, Yong Yu
Oral	664: OFFER: Off-Environment Reinforcement Learning	Kamil Ciosek, Shimon Whiteson
Oral	1623: The Option-Critic Architecture	Pierre-Luc Bacon, Jean Harb, Doina Precup
Poster	2938: Playing FPS Games with Deep Reinforcement Learning	Guillaume Lample, Devendra Singh Chaplot
Poster	3223: Dynamic Action Repetition for Deep Reinforcement Learning	Aravind S. Lakshminarayanan, Sahil Sharma, Balaraman Ravindran
Poster	942: Accelerated Gradient Temporal Difference Learning	Yangchen Pan, Adam White, Martha White

	Senior Member Talks 1 (Summary)	Tue 11:30-12:30, Continental 9
	3432: Incidental Supervision: Moving beyond Supervised Learning	Dan Roth
	3441: A Selected Summary of AI for Computational Sustainability	Douglas H. Fisher
	3394: Latent Tree Analysis	Nevin L. Zhang, Leonard K. M. Poon
	ML11: Bayesian Learning	Tue 11:30-12:30, Continental 1-3
Oral	269: The Multivariate Generalised von Mises Distribution: Inference and Applications	Alexandre K. W. Navarro, Jes Frelsen, Richard E. Turner
Oral	2439: Learning Bayesian Networks with Incomplete Data by Augmentation	Tameem Adel, Cassio P. de Campos
Oral	1395: A Generalized Stochastic Variational Bayesian Hyperparameter Learning Framework for Sparse Spectrum Gaussian Process Regression	Quang Minh Hoang, Trong Nghia Hoang, Kian Hsiang Low
Poster	1284: Continuous Conditional Dependency Network for Structured Regression	Chao Han, Mohamed Ghalwash, Zoran Obradovic
Poster	967: Top-k Hierarchical Classification	Sechan Oh
Poster	1533: Estimating the Maximum Expected Value in Continuous Reinforcement Learning Problems	Carlo D'Eramo, Alessandro Nuara, Matteo Pirota, Marcello Restelli
	VIS5: Image and Video Retrieval	Tue 11:30-12:30, Golden Gate 7-8
Oral	67: Regularized Diffusion Process for Visual Retrieval	Song Bai, Xiang Bai, Qi Tian, Longin Jan Latecki
Oral	1967: Unsupervised Learning of Multi-Level Descriptors for Person Re-Identification	Yang Yang, Longyin Wen, Siwei Lyu, Stan Z. Li
Oral	108: Boosting Complementary Hash Tables for Fast Nearest Neighbor Search	Xianglong Liu, Cheng Deng, Yadong Mu, Zhujin Li
Poster	2034: Deep Correlated Metric Learning for Sketch-Based 3D Shape Retrieval	Guoxian Dai, Jin Xie, Fan Zhu, Yi Fang
Poster	251: Efficient Object Instance Search Using Fuzzy Objects Matching	Tan Yu, Yuwei Wu, Sreyasee Bhattacharjee, Junsong Yuan
Poster	2194: Active Video Summarization: Customized Summaries via On-line Interaction with the User	Ana Garcia del Molino, Xavier Boix, Joo-Hwee Lim, Ah-Hwee Tan
	MLA5: Bio/Medicine	Tue 11:30-12:30, Golden Gate 3
Oral	843: ICU Mortality Prediction: A Classification Algorithm for Imbalanced Datasets	Sakyajit Bhattacharya, Vaibhav Rajan, Harsh Shrivastava
Oral	1843: A Sparse Dictionary Learning Framework to Discover Discriminative Source Activations in EEG Brain Mapping	Feng Liu, Shouyi Wang, Jay Rosenberger, Jianzhong Su, Hanli Liu
Oral	3060: Recovering True Classifier Performance in Positive-Unlabeled Learning	Shantanu Jain, Martha White, Predrag Radivojac
Poster	1524: Condensed Memory Networks for Clinical Diagnostic Inferencing	Aaditya Prakash, Siyuan Zhao, Sadid A. Hasan, Vivek Datla, Kathy Lee, Ashequl Qadir, Joey Liu, Oladimeji Farri
Poster	2794: Personalized Donor-Recipient Matching for Organ Transplantation	Jinsung Yoon, Ahmed M. Alaa, Martin Cadeiras, Mihaela van der Schaar
Poster	1471: Adverse Drug Reaction Prediction with Symbolic Latent Dirichlet Allocation	Cao Xiao, Ping Zhang, W. Art Chaowalitwongse, Jianying Hu, Fei Wang
	KRR5: Action, Change, and Causality	Tue 11:30-12:30, Golden Gate 4
Oral	243: Add Data into Business Process Verification: Bridging the Gap between Theory and Practice	Riccardo De Masellis, Chiara Di Francescomarino, Chiara Ghidini, Marco Montali, Sergio Tessaris
Oral	509: Abstraction in Situation Calculus Action Theories	Bitu Banihashemi, Giuseppe De Giacomo, Yves Lespérance
Oral	2030: Causal Discovery Using Regression-Based Conditional Independence Tests	Hao Zhang, Shuigeng Zhou, Kun Zhang, Jihong Guan
Poster	2583: Entropic Causal Inference	Murat Kocaoglu, Alexandros G. Dimakis, Sriram Vishwanath, Babak Hassibi
Poster	954: Polynomially Bounded Logic Programs with Function Symbols: A New Decidable Class	Vernon Asuncion, Yan Zhang, Heng Zhang
Poster	2429: On the Computation of Paracoherent Answer Sets	Giovanni Amendola, Carmine Dodaro, Wolfgang Faber, Nicola Leone, Francesco Ricca
	GTEP5: Social Choice / Voting	Tue 11:30-12:30, Golden Gate 6
Oral	2546: On Pareto Optimality in Social Distance Games	Alkida Balliu, Michele Flammini, Dennis Olivetti
Oral	1252: Group Activity Selection on Social Networks	Ayumi Igarashi, Dominik Peters, Edith Elkind
Oral	2255: Winner Determination in Huge Elections with MapReduce	Theresa Csar, Martin Lackner, Reinhard Pichler, Emanuel Sallinger
Poster	1860: Envy-Free Mechanisms with Minimum Number of Cuts	Reza Alijani, Majid Farhadi, Mohammad Ghodsi, Masoud Seddighin, Ahmad S. Tajik
Poster	2438: Vote Until Two of You Agree: Mechanisms with Small Distortion and Sample Complexity	Stephen Gross, Elliot Anshelevich, Lirong Xia
Poster	24: Complexity of Manipulating Sequential Allocation	Haris Aziz, Sylvain Bouveret, Jérôme Lang, Simon Mackenzie
	ML12: Methods	Tue 11:30-12:30, Plaza A
Oral	1330: A Two-Stage Approach for Learning a Sparse Model with Sharp Excess Risk Analysis	Zhe Li, Tianbao Yang, Lijun Zhang, Rong Jin
Oral	289: Unbiased Multivariate Correlation Analysis	Yisen Wang, Simone Romano, Vinh Nguyen, James Bailey, Xingjun Ma, Shu-Tao Xia
Oral	1550: Improving Efficiency of SVM k-Fold Cross-Validation by Alpha Seeding	Zeyi Wen, Bin Li, Kotagiri Ramamohanarao, Jian Chen, Yawen Chen, Rui Zhang
Poster	748: CBRAP: Contextual Bandits with RANdom Projection	Xiaotian Yu, Michael R. Lyu, Irwin King

Poster	788: On Human Intellect and Machine Failures: Troubleshooting Integrative Machine Learning Systems	Besmira Nushi, Ece Kamar, Eric Horvitz, Donald Kossmann
Poster	1856: Scalable Optimization of Multivariate Performance Measures in Multi-Instance Multi-Label Learning	Apoorv Aggarwal, Sandip Ghoshal, Ankith M. S., Suhit Sinha, Ganesh Ramakrishnan, Purushottam Kar, Prateek Jain
NLP4: Learning		Tue 11:30-12:30, Plaza B
Oral	1585: Bilingual Lexicon Induction from Non-Parallel Data with Minimal Supervision	Meng Zhang, Haoruo Peng, Yang Liu, Huanbo Luan, Maosong Sun
Oral	319: Incorporating Expert Knowledge into Keyphrase Extraction	Sujatha Das Gollapalli, Xiao-Li Li, Peng Yang
Oral	2400: Neural Models for Sequence Chunking	Feifei Zhai, Saloni Potdar, Bing Xiang, Bowen Zhou
Poster	1063: Don't Forget the Quantifiable Relationship between Words: Using Recurrent Neural Network for Short Text Topic Discovery	Heng-Yang Lu, Lu-Yao Xie, Ning Kang, Chong-Jun Wang, Jun-Yuan Xie
Poster	1652: Word Embedding Based Correlation Model for Question/Answer Matching	Yikang Shen, Wenge Rong, Nan Jiang, Baolin Peng, Jie Tang, Zhang Xiong
Poster	399: Neural Bag-of-Ngrams	Bofang Li, Tao Liu, Zhe Zhao, Puwei Wang, Xiaoyong Du
PS3: Temporal Planning		Tue 11:30-12:30, Golden Gate 1-2
Oral	2732: Robust Execution of Probabilistic Temporal Plans	Kyle Lund, Sam Dietrich, Scott Chow, James C. Boerkoel Jr.
Oral	752: Schematic Invariants by Reduction to Ground Invariants	Jussi Rintanen
Oral	853: Validating Domains and Plans for Temporal Planning via Encoding into Infinite-State Linear Temporal Logic	Alessandro Cimatti, Andrea Micheli, Marco Roveri
Poster	2519: When to Reset Your Keys: Optimal Timing of Security Updates via Learning	Zizhan Zheng, Ness B. Shroff, Prasant Mohapatra
Poster	1569: Mixed Discrete-Continuous Planning with Convex Optimization	Enrique Fernández-González, Erez Karpas, Brian Williams
Poster	2028: Configuration Planning with Temporal Constraints	Uwe Köckemann, Lars Karlsson
IAAI-17: Health & Wellness: Encouraging and Supporting Healthier Behavior		Tue 11:30-12:30, Golden Gate 5
	Constraint-Based Verification of a Mobile App Game Designed for Nudging People to Attend Cancer Screening	Arnaud Gottlieb, Marine Louarn, Mari Nygard, Tomas Ruiz-Lopez, Sagar Sen, Roberta Gori
	Calories Prediction from Food Images	Manal Chokr, Shady Elbassuoni
	On Designing a Social Coach to Promote Regular Aerobic Exercise	Shiwali Mohan, Anusha Venkatakrishnan, Michael Silva, Peter Pirolli

2:00 - 3:30pm

	AAAI	Tue 2-3:30, Continental 9
	AAAI-17 Invited Panel: Federal Funding Agency Information Panel / Meet and Greet	Panelists: James Donlon (NSF), Reid Simmons (NSF), David Gunning (DARPA), Ted Senator (IARPA), Jeremy Frank (NASA)
	ML13: Dimensionality Reduction / Feature Selection	Tue 2-3:30, Continental 7-8
Oral	433: Structure Regularized Unsupervised Discriminant Feature Analysis	Mingyu Fan, Xiaojun Chang, Dacheng Tao
Oral	138: On Learning High Dimensional Structured Single Index Models	Ravi Ganti, Nikhil Rao, Laura Balzano, Rebecca Willett, Robert Nowak
Oral	172: Unsupervised Large Graph Embedding	Feiping Nie, Wei Zhu, Xuelong Li
Oral	557: Feature Selection Guided Auto-Encoder	Shuyang Wang, Zhengming Ding, Yun Fu
Poster	1002: A General Efficient Hyperparameter-Free Algorithm for Convolutional Sparse Learning	Zheng Xu, Junzhou Huang
Poster	802: Enumerate Lasso Solutions for Feature Selection	Satoshi Hara, Takanori Maehara
Poster	1139: A General Framework for Sparsity Regularized Feature Selection via Iteratively Reweighted Least Square Minimization	Hanyang Peng, Yong Fan
Poster	1041: Fast Compressive Phase Retrieval under Bounded Noise	Hongyang Zhang, Shan You, Zhouchen Lin, Chao Xu
Poster	632: Probabilistic Non-Negative Matrix Factorization and Its Robust Extensions for Topic Modeling	Minlan Luo, Feiping Nie, Xiaojun Chang, Yi Yang, Alexander Hauptmann, Qinghua Zheng
Poster	1764: Latent Discriminant Analysis with Representative Feature Discovery	Gang Chen
Poster	3127: Bilinear Probabilistic Canonical Correlation Analysis via Hybrid Concatenations	Yang Zhou, Haiping Lu, Yiu-ming Cheung
Poster	2459: Heavy-Tailed Analogues of the Covariance Matrix for ICA	Joseph Anderson, Navin Goyal, Anupama Nandi, Luis Rademacher
Poster	703: Binary Embedding with Additive Homogeneous Kernels	Saehoon Kim, Seungjin Choi
	ML14: Clustering	Tue 2-3:30, Continental 1-3
Oral	2954: Local Centroids Structured Non-Negative Matrix Factorization	Hongchang Gao, Feiping Nie, Heng Huang
Oral	2674: Optimal Neighborhood Kernel Clustering with Multiple Kernels	Xinwang Liu, Sihang Zhou, Yueqing Wang, Miaomiao Li, Yong Dou, En Zhu, Jianping Yin
Oral	3161: A General Clustering Agreement Index: For Comparing Disjoint and Overlapping Clusters	Reihaneh Rabbany, Osmar R. Zaiane
Oral	833: Spectral Clustering with Brainstorming Process for Multi-View Data	Jeong-Woo Son, Junkey Jeon, Alex Lee, Sun-Joong Kim
Poster	871: Sparse Subspace Clustering by Learning Approximation ℓ_0 Codes	Jun Li, Yu Kong, Yun Fu
Poster	51: Multiple Kernel k -means with Incomplete Kernels	Xinwang Liu, Miaomiao Li, Lei Wang, Yong Dou, Jianping Yin, En Zhu
Poster	1408: Balanced Clustering with Least Square Regression	Hanyang Liu, Junwei Han, Feiping Nie, Xuelong Li
Poster	554: Multi-View Clustering via Deep Matrix Factorization	Handong Zhao, Zhengming Ding, Yun Fu
Poster	644: One-Step Spectral Clustering via Dynamically Learning Affinity Matrix and Subspace	Xiaofeng Zhu, Wei He, Yonggang Li, Yang Yang, Shichao Zhang, Rongyao Hu, Yonghua Zhu
Poster	1908: Compressed K -Means for Large-Scale Clustering	Xiaobo Shen, Weiwei Liu, Ivor Tsang, Fumin Shen, Quan-Sen Sun
Poster	538: An Exact Penalty Method for Binary Optimization Based on MPEC Formulation	Ganzhao Yuan, Bernard Ghanem

Poster	1905: Scalable Algorithm for Higher-Order Co-Clustering via Random Sampling	Daisuke Hatano, Takuro Fukunaga, Takanori Maehara, Ken-ichi Kawarabayashi
Poster	697: Cascade Subspace Clustering	Xi Peng, Jiashi Feng, Jiwen Lu, Wei-Yun Yau, Zhang Yi
	VIS6: Videos	Tue 2-3:30, Golden Gate 7-8
Oral	2673: Robust Visual Tracking via Local-Global Correlation Filter	Heng Fan, Jinhai Xiang
Oral	265: Visual Object Tracking for Unmanned Aerial Vehicles: A Benchmark and New Motion Models	Siyi Li, Dit-Yan Yeung
Oral	2162: Learning Patch-Based Dynamic Graph for Visual Tracking	Chenglong Li, Liang Lin, Wangmeng Zuo, Jin Tang
Oral	593: Building an End-to-End Spatial-Temporal Convolutional Network for Video Super-Resolution	Jun Guo, Hongyang Chao
Poster	718: Privacy-Preserving Human Activity Recognition from Extreme Low Resolution	Michael S. Ryoo, Brandon Rothrock, Charles Fleming, Hyun Jong Yang
Poster	1518: Learning Latent Subevents in Activity Videos Using Temporal Attention Filters	A. J. Piergiovanni, Chenyou Fan, Michael S. Ryoo
Poster	3227: Learning Discriminative Activated Simplices for Action Recognition	Chenxu Luo, Chang Ma, Chunyu Wang, Yizhou Wang
Poster	897: Non-Parametric Estimation of Multiple Embeddings for Link Prediction on Dynamic Knowledge Graphs	Yi Tay, Luu Anh Tuan, Siu Cheung Hui
Poster	2740: Video Recovery via Learning Variation and Consistency of Images	Zhouyuan Huo, Shangqian Gao, Heng Huang
Poster	2696: Dynamically Constructed (PO)MDPs for Adaptive Robot Planning	Shiqi Zhang, Piyush Khandelwal, Peter Stone
Poster	1854: Counting-Based Reliability Estimation for Power-Transmission Grids	Leonardo Duenas-Osorio, Kuldeep S. Meel, Roger Paredes, Moshe Y. Vardi
Poster	3234: Partitioned Sampling of Public Opinions Based on Their Social Dynamics	Weiran Huang, Liang Li, Wei Chen
	MLA6: Deep Learning / Neural Networks	Tue 2-3:30, Golden Gate 3
Oral	43: Unsupervised Deep Learning for Optical Flow Estimation	Zhe Ren, Junchi Yan, Bingbing Ni, Bin Liu, Xiaokang Yang, Hongyuan Zha
Oral	413: Modeling the Intensity Function of Point Process via Recurrent Neural Networks	Shuai Xiao, Junchi Yan, Xiaokang Yang, Hongyuan Zha, Stephen M. Chu
Oral	415: Pairwise Relationship Guided Deep Hashing for Cross-Modal Retrieval	Erkun Yang, Cheng Deng, Wei Liu, Xianglong Liu, Dacheng Tao, Xinbo Gao
Oral	194: Data-Driven Approximations to NP-Hard Problems	Anton Milan, S. Hamid Reza Tofighi, Ravi Garg, Anthony Dick, Ian Reid
Poster	1499: Let Your Photos Talk: Generating Narrative Paragraph for Photo Stream via Bidirectional Attention Recurrent Neural Networks	Yu Liu, Jianlong Fu, Tao Mei, Chang Wen Chen
Poster	1066: Leveraging Saccades to Learn Smooth Pursuit: A Self-Organizing Motion Tracking Model Using Restricted Boltzmann Machines	Arjun Yogeswaran, Pierre Payeur
Poster	134: Capturing Dependencies among Labels and Features for Multiple Emotion Tagging of Multimedia Data	Shan Wu, Shangfei Wang, and Qiang Ji
Poster	1625: Active Discriminative Text Representation Learning	Ye Zhang, Matthew Lease, Byron C. Wallace
Poster	629: Combining Satellite Imagery and Open Data to Map Road Safety	Alameen Najjar, Shunichi Kaneko, Yoshikazu Miyanaga
Poster	779: Deep Manifold Learning of Symmetric Positive Definite Matrices with Application to Face Recognition	Zhen Dong, Su Jia, Chi Zhang, Mingtao Pei, Yuwei Wu
Poster	1971: Rank Ordering Constraints Elimination with Application for Kernel Learning	Ying Xie, Chris H.Q. Ding, Yihong Gong, Zongze Wu
Poster	3217: Efficient Delivery Policy to Minimize User Traffic Consumption in Guaranteed Advertising	Jia Zhang, Zheng Wang, Qian Li, Jialin Zhang, Yanyan Lan, Qiang Li, Xiaoming Sun
Poster	573: Regularization in Hierarchical Time Series Forecasting with Application to Electricity Smart Meter Data	Souhaib Ben Taieb, Jiafan Yu, Mateus Neves Barreto, Ram Rajagopal
	NLP5: Information Extraction	Tue 2-3:30, Golden Gate 4
Oral	1277: Automatic Emphatic Information Extraction from Aligned Acoustic Data and Its Application on Sentence Compression	Yanju Chen, Rong Pan
Oral	1934: Efficiently Mining High Quality Phrases from Texts	Bing Li, Xiaochun Yang, Bin Wang, Wei Cui
Oral	994: Distant Supervision via Prototype-Based Global Representation Learning	Xianpei Han, Le Sun
Oral	873: Efficient Dependency-Guided Named Entity Recognition	Zhanming Jie, Aldrian Obaja Muis, Wei Lu
Poster	1618: Bootstrapping Distantly Supervised IE Using Joint Learning and Small Well-Structured Corpora	Lidong Bing, Bhuwan Dhingra, Kathryn Mazaitis, Jong Hyuk Park, William W. Cohen
Poster	1004: Learning Latent Sentiment Scopes for Entity-Level Sentiment Analysis	Hao Li, Wei Lu
Poster	1871: Improving Event Causality Recognition with Multiple Background Knowledge Sources Using Multi-Column Convolutional Neural Networks	Canasai Kruengkrai, Kentaro Torisawa, Chikara Hashimoto, Julien Kloetzer, Jong-Hoon Oh, Masahiro Tanaka
Poster	589: What Happens Next? Future Subevent Prediction Using Contextual Hierarchical LSTM	Linmei Hu, Juanzi Li, Liqiang Nie, Xiao-Li Li, Chao Shao
Poster	1862: Coupled Multi-Layer Attention for Co-Extraction of Aspect and Opinion Terms	Wenya Wang, Sinno Jialin Pan, Daniel Dahlmeier, Xiaokui Xiao
Poster	874: Structural Correspondence Learning for Cross-Lingual Sentiment Classification with One-to-Many Mappings	Nana Li, Shuangfei Zhai, Zhongfei Zhang, Boying Liu
Poster	691: Representations of Context in Recognizing the Figurative and Literal Usages of Idioms	Changsheng Liu, Rebecca Hwa
Poster	1734: A Declarative Approach to Data-Driven Fact Checking	Julien Leblay

Poster	2179: Phrase-Based Presentation Slides Generation for Academic Papers	Sida Wang, Xiaojun Wan, Shikang Du
	GTEP6: Game Theory	Tue 2-3:30, Golden Gate 6
Oral	2037: Security Games on a Plane	Jiarui Gan, Bo An, Yevgeniy Vorobeychik, Brian Gauch
Oral	616: Heuristic Search Value Iteration for One-Sided Partially Observable Stochastic Games	Karel Horák, Branislav Boansky, Michal Pechoucek
Oral	964: The Efficiency of the HyperPlay Technique Over Random Sampling	Michael Schofield, Michael Thielscher
Oral	904: Extensive-Form Perfect Equilibrium Computation in Two-Player Games	Gabriele Farina, Nicola Gatti
Poster	775: Exclusion Method for Finding Nash Equilibrium in Multiplayer Games	Kimmo Berg, Tuomas Sandholm
Poster	1735: Optimal Pricing for Submodular Valuations with Bounded Curvature	Takanori Maehara, Yasushi Kawase, Hanna Sumita, Katsuya Tono, Ken-ichi Kawarabayashi
Poster	770: Computing Least Cores of Supermodular Cooperative Games	Daisuke Hatano, Yuichi Yoshida
Poster	2615: On Markov Games Played by Bayesian and Boundedly-Rational Players	Muthukumaran Chandrasekaran, Yingke Chen, Prashant Doshi
Poster	2530: Mechanism Design for Multi-Type Housing Markets	Sujoy Sikdar, Sibel Adali, Lirong Xia
Poster	929: The Positronic Economist: A Computational System for Analyzing Economic Mechanisms	David Thompson, Neil Newman, Kevin Leyton-Brown
Poster	23: Algorithms for Max-Min Share Fair Allocation of Indivisible Chores	Haris Aziz, Gerhard Rauchecker, Guido Schryen, Toby Walsh
Poster	876: Fans Economy and All-Pay Auctions with Proportional Allocations	Pingzhong Tang, Yulong Zeng, Song Zuo
Poster	18: Axiomatic Characterization of Game-Theoretic Network Centralities	Oskar Skibski, Tomasz P. Michalak, Talal Rahwan
	ML15: Reinforcement Learning	Tue 2-3:30, Plaza A
Oral	2052: PAC Identification of a Bandit Arm Relative to a Reward Quantile	Arghya Roy Chaudhuri, Shivaram Kalyanakrishnan
Oral	1339: Self-Correcting Models for Model-Based Reinforcement Learning	Erik Talvitie
Oral	1989: Achieving Privacy in the Adversarial Multi-Armed Bandit	Aristide C. Y. Tossou, Christos Dimitrakakis
Oral	2097: Maximizing the Probability of Arriving on Time: A Practical Q-Learning Method	Zhiguang Cao, Hongliang Guo, Jie Zhang, Frans Oliehoek, Ulrich Fastenrath
Oral	2458: Policy Search with High-Dimensional Context Variables	Voot Tangkaratt, Herke van Hoof, Simone Parisi, Gerhard Neumann, Jan Peters, Masashi Sugiyama
	HSO1: Optimization	Tue 2-3:30, Plaza B
Oral	1642: Automatic Logic-Based Benders Decomposition with MiniZinc	Toby O. Davies, Graeme Gange, Peter J. Stuckey
Oral	737: Regret Ratio Minimization in Multi-Objective Submodular Function Maximization	Tasuku Soma, Yuichi Yoshida
Oral	932: A Generic Bet-and-Run Strategy for Speeding Up Stochastic Local Search	Tobias Friedrich, Timo Kötzing, Markus Wagner
Oral	1282: A Unified Convex Surrogate for the Schatten-p Norm	Chen Xu, Zhouchen Lin, Hongbin Zha
Poster	1154: Embedded Bandits for Large-Scale Black-Box Optimization	Abdullah Al-Dujaili, Suresh
Poster	719: Efficient Online Model Adaptation by Incremental Simplex Tableau	Zhixian Lei, Xuehan Ye, Yongcai Wang, Deying Li, Jia Xu
Poster	799: The Simultaneous Maze Solving Problem	Stefan Funke, André Nusser, Sabine Storandt
Poster	2286: Systematic Exploration of Larger Local Search Neighborhoods for the Minimum Vertex Cover Problem	Maximilian Katzmann, Christian Komusiewicz
Poster	741: Non-Monotone DR-Submodular Function Maximization	Tasuku Soma, Yuichi Yoshida
Poster	1013: An Exact Algorithm for the Maximum Weight Clique Problem in Large Graphs	Hua Jiang, Chu-Min Li, Felip Manyà
Poster	2532: Solving High-Dimensional Multi-Objective Optimization Problems with Low Effective Dimensions	Hong Qian, Yang Yu
Poster	376: Efficient Hyperparameter Optimization of Deep Learning Algorithms Using Deterministic RBF Surrogates	Ilija Ilievski, Taimoor Akhtar, Jiashi Feng, Christine Annette Shoemaker
	NLP6: Learning	Tue 2-3:30, Golden Gate 1-2
Oral	654: Mechanism-Aware Neural Machine for Dialogue Response Generation	Ganbin Zhou, Ping Luo, Rongyu Cao, Fen Lin, Bo Chen, Qing He
Oral	605: Maximum Reconstruction Estimation for Generative Latent-Variable Models	Yong Cheng, Yang Liu, Wei Xu
Oral	1641: Multiresolution Recurrent Neural Networks: An Application to Dialogue Response Generation	Iulian Vlad Serban, Tim Klinger, Gerald Tesauro, Kartik Talamadupula, Bowen Zhou, Yoshua Bengio, Aaron Courville
Oral	988: S2JSD-LSH: A Locality-Sensitive Hashing Schema for Probability Distributions	Xian-Ling Mao, Bo-Si Feng, Yi-Jing Hao, Liqiang Nie, Heyan Huang, Guihua Wen
Oral	1710: Distinguish Polarity in Bag-of-Words Visualization	Yusheng Xie, Zhengzhang Chen, Ankit Agrawal, Alok Choudhary
	IAAI:17: Smart Environments: Using AI Systems to Improve Day-to-Day Life	Tue 2-3:30, Golden Gate 5
	Crowdsensing Air Quality with Camera-Enabled Mobile Devices	Zhengxiang Pan, Han Yu, Chunyan Miao, Cyril Leung
	Real-Time Indoor Localization in Smart Homes Using Semi-Supervised Learning	Negar Ghourchian, Michel Allegue-Martinez, Doina Precup
	Designing Better Playlists with Monte Carlo Tree Search	Elad Liebman, Piyush Khandelwal, Maytal Saar-Tsechansky, Peter Stone
	ParkUs: A Novel Vehicle Parking Detection System	Pietro Carnelli, Joy Yeh, Mahesh Sooriyabandara, Aftab Khan

4:00-5:00pm

	ML16: Deep Learning / Neural Networks	Tue 4-5, Continental 7-8
Oral	948: How to Train a Compact Binary Neural Network with High Accuracy?	Wei Tang, Gang Hua, Liang Wang
Oral	222: Regularization for Unsupervised Deep Neural Nets	Baiyang Wang, Diego Klabjan
Oral	658: Learning Deep Latent Spaces for Multi-Label Classification	Chih-Kuan Yeh, Wei-Chieh Wu, Wei-Jen Ko, Yu-Chiang Frank Wang
Poster	180: Exploring Commonality and Individuality for Multi-Modal Curriculum Learning	Chen Gong
Poster	2409: Deep Hashing: A Joint Approach for Image Signature Learning	Yadong Mu, Zhu Liu
Poster	1209: Tunable Sensitivity to Large Errors in Neural Network Training	Gil Keren, Sivan Sabato, Björn Schuller
	MLA7: Machine Learning Applications	Tue 4-5, Continental 1-3
Oral	202: From Shared Subspaces to Shared Landmarks: A Robust Multi-Source Classification Approach	Sarah M. Erfani, Mahsa Baktashmotlagh, Masud Moshtaghi, Vinh Nguyen, Christopher Leckie, James Bailey, Kotagiri Ramamohanarao
Oral	2304: Infinitely Many-Armed Bandits with Budget Constraints	Haifang Li, Yingce Xia
Oral	277: Relational Deep Learning: A Deep Latent Variable Model for Link Prediction	Hao Wang, Xingjian Shi, Dit-Yan Yeung
Poster	1817: Low-Rank Tensor Completion with Total Variation for Visual Data inpainting	Xutao Li, Yunming Ye, Xiaofei Xu
Poster	1630: Efficient Ordered Combinatorial Semi-Bandits for Whole-Page Recommendation	Yingfei Wang, Hua Ouyang, Chu Wang, Jianhui Chen, Tsvetan Asamov, Yi Chang
Poster	1017: Identifying Unknown Unknowns in the Open World: Representations and Policies for Guided Exploration	Himabindu Lakkaraju, Ece Kamar, Rich Caruana, Eric Horvitz
	VIS7: Object Recognition	Tue 4-5, Golden Gate 7-8
Oral	609: Non-Rigid Point Set Registration with Robust Transformation Estimation under Manifold Regularization	Jiayi Ma, Ji Zhao, Junjun Jiang, Huabing Zhou
Oral	182: Zero-Shot Recognition via Direct Classifier Learning with Transferred Samples and Pseudo Labels	Yuchen Guo, Guiguang Ding, Jungong Han, Yue Gao
Oral	263: Localizing by Describing: Attribute-Guided Attention Localization for Fine-Grained Recognition	Xiao Liu, Jiang Wang, Shilei Wen, Errui Ding, Yuanqing Lin
Poster	2815: Grounded Action Transformation for Robot Learning in Simulation	Josiah P. Hanna, Peter Stone
Poster	2221: An Efficient Approach to Model-Based Hierarchical Reinforcement Learning	Zhuoru Li, Akshay Narayan, Tze-Yun Leong
Poster	2231: Differentiating Between Posed and Spontaneous Expressions with Latent Regression Bayesian Network	Quan Gan, Siqi Nie, Shangfei Wang, Qiang Ji
	MLA8: Applications of Supervised Learning	Tue 4-5, Golden Gate 3
Oral	1751: Predicting Demographics of High-Resolution Geographies with Geotagged Tweets	Omar Montasser, Daniel Kifer
Oral	837: DeepFix: Fixing Common C Language Errors by Deep Learning	Rahul Gupta, Soham Pal, Aditya Kanade, Shirish Shevade
Oral	1639: Portfolio Selection via Subset Resampling	Weiwei Shen, Jun Wang
Poster	720: Active Learning with Cross-Class Similarity Transfer	Yuchen Guo, Guiguang Ding, Yue Gao, Jungong Han
Poster	434: Progressive Prediction of Student Performance in College Programs	Jie Xu, Yuli Han, Daniel Marcu, Mihaela van der Schaar
Poster	2121: Multivariate Hawkes Processes for Large-Scale Inference	Rémi Lemonnier, Kevin Scaman, Argyris Kalogeratos
	NLP7: Text Mining	Tue 4-5, Golden Gate 4
Oral	1925: Attentive Interactive Neural Networks for Answer Selection in Community Question Answering	Xiaodong Zhang, Sujian Li, Lei Sha, Houfeng Wang
Oral	1933: Greedy Flipping for Constrained Word Deletion	Jin-ge Yao, Xiaojun Wan
Oral	956: Unsupervised Sentiment Analysis with Signed Social Networks	Kewei Cheng, Jundong Li, Jiliang Tang, Huan Liu
Poster	526: Multiple Source Detection without Knowing the Underlying Propagation Model	Zheng Wang, Chaokun Wang, Jisheng Pei, Xiaojun Ye
Poster	193: RQUERY: Rewriting Natural Language Queries on Knowledge Graphs to Alleviate the Vocabulary Mismatch Problem	Saeedeh Shekarpour, Edgard Marx, Sören Auer, Amit Sheth
Poster	887: Saliency Estimation via Variational Auto-Encoders for Multi-Document Summarization	Piji Li, Zihao Wang, Wai Lam, Zhaochun Ren, Lidong Bing
	GTEP7: Social Choice / Voting	Tue 4-5, Golden Gate 6
Oral	1267: Social Choice under Metric Preferences: Scoring Rules and STV	Piotr Skowron, Edith Elkind
Oral	1594: Complexity of the Stable Invitations Problem	Hooyeon Lee, Virginia Vassilevska Williams
Oral	919: Phragmén's Voting Methods and Justified Representation	Markus Brill, Rupert Freeman, Svante Janson, Martin Lackner
Poster	911: Multiwinner Approval Rules as Apportionment Methods	Markus Brill, Jean-François Laslier, Piotr Skowron
Poster	3194: Rigging Nearly Acyclic Tournaments Is Fixed-Parameter Tractable	M. S. Ramanujan, Stefan Szeider
Poster	1292: Psychological Forest: Predicting Human Behavior	Ori Plonsky, Ido Erev, Tamir Hazan, Moshe Tennenholtz
	ML17: Classification and Clustering	Tue 4-5, Plaza A
Oral	1836: Expectile Matrix Factorization for Skewed Data Analysis	Rui Zhu, Di Niu, Linglong Kong, Zongpeng Li
Oral	1461: Simultaneous Clustering and Ensemble	Zhiqiang Tao, Hongfu Liu, Yun Fu
Oral	3006: Multiclass Capped ℓ_p -Norm SVM for Robust Classifications	Feiping Nie, Xiaoqian Wang, Heng Huang
Poster	353: POI2Vec: Geographical Latent Representation for Predicting Future Visitors	Shanshan Feng, Gao Cong, Bo An, Yeow Meng Chee
Poster	1259: Exploiting both Vertical and Horizontal Dimensions of Feature Hierarchy for Effective Recommendation	Zhu Sun, Jie Yang, Jie Zhang, Alessandro Bozzon
Poster	1065: Read the Silence: Well-timed Recommendation via Admixture Marked Point Processes	Hideaki Kim, Tomoharu Iwata, Yasuhiro Fujiwara, Naonori Ueda

	HSO2: Search	Tue 4-5, Plaza B
Oral	3357: Grid Pathfinding on the 2k Neighborhoods	Nicolás Rivera, Carlos Hernández, Jorge A. Baier
Oral	2330: Learning to Prune Dominated Action Sequences in Online Black-box Planning	Yuu Jinnai, Alex Fukunaga
Oral	3205: A Fast Algorithm to Compute Maximum k-Plexes in Social Network Analysis	Mingyu Xiao, Weibo Lin, Yuanshun Dai, Yifeng Zeng
Poster	536: Problem Difficulty and the Phase Transition in Heuristic Search	Eldan Cohen, J. Christopher Beck
Poster	2262: Extending Compact-Table to Negative and Short Tables	Hélène Verhaeghe, Christophe Lecoutre, Pierre Schaus
Poster	1033: Flexible Model Induction through Heuristic Process Discovery	Pat Langley, Adam Arvay
	IAAI-17: Explanations: Trouble Shooting and Question Answering for Both Common and Technical Tasks	Tue 4-5, Golden Gate 5
	UbuntuWorld 1.0 LTS—A Platform for Automated Problem Solving and Troubleshooting in the Ubuntu OS	Tathagata Chakraborti, Kartik Talamadupula, Kshitij P. Fadnis, Murray Campbell, Subbarao Kambhampati
	A Logic Based Approach to Answering Questions about Alternatives in DIY Domains	Yi Wang, Joohyung Lee, Doo Soon Kim
	Explainable Agency for Intelligent Autonomous Systems	Pat Langley, Ben Meadows, Mohan Sridharanz, Dongkyu Choi
5:10 - 6:10pm		
	AAAI	Tue 5:10-6:10, Continental 4-6
	AAAI-17 Invited Talk	Peter Dayan
6:10 - 6:30pm		
	AAAI	Tue 6:10-6:30, Continental 4-6
	AAAI Video Competition Awards	
6:30 - 8:30pm		
	AAAI	Tue 6:30-8:30, Imperial Ballroom
	AAAI-17 Poster / Demo Session 2	

Wednesday, February 8

8:30 - 8:50am		
	AAAI	Wed 8:30-8:50, Continental 4-6
	AAAI-17 Conference Awards	Shaul Markovitch and Satinder Singh
8:50 - 9:50am		
	AAAI	Wed 8:50-9:50, Continental 4-6
	AAAI-17/IAAI-17 Joint Invited Talk	Dmitri Dolgov
10:00 - 11:00am		
	ML18: Deep Learning / Neural Networks	Wed 10-11, Continental 7-8
Oral	563: Patch Reordering: A Novel Way to Achieve Rotation and Translation Invariance in Convolutional Neural Networks	Xu Shen, Xinmei Tian, Shaoyan Sun, Dacheng Tao
Oral	38: Universum Prescription: Regularization Using Unlabeled Data	Xiang Zhang, Yann LeCun
Oral	1794: Label-Free Supervision of Neural Networks with Physics and Domain Knowledge	Russell Stewart, Stefano Ermon
Poster	2704: When and Why Are Deep Networks Better than Shallow Ones?	Hrushikesh Mhaskar, Qianli Liao, Tomaso Poggio
Poster	980: Denoising Criterion for Variational Auto-Encoding Framework	Daniel Jiwoong Im, Sungjin Ahn, Roland Memisevic, Yoshua Bengio
Poster	1137: A Riemannian Network for SPD Matrix Learning	Zhiwu Huang, Luc Van Gool
	HSO3: Search and Optimization	Wed 10-11, Continental 9
Oral	972: Reactive Dialectic Search Portfolios for MaxSAT	Carlos Ansótegui, Josep Pon, Meinolf Sellmann, Kevin Tierney
Oral	2242: New Lower Bound for the Minimum Sum Coloring Problem	Clément Lecat, Corinne Lucet, Chu-Min Li
Oral	2484: Going Beyond Primal Treewidth for (M)ILP	Robert Ganian, Sebastian Ordyniak, M. S. Ramanujan
Poster	326: CoCoA: A Non-Iterative Approach to a Local Search (A)DCOP Solver	Cornelis Jan van Leeuwen, Przemyslaw Pawelczak
Poster	1125: Efficient Parameter Importance Analysis via Ablation with Surrogates	André Biedenkapp, Marius Lindauer, Katharina Eggensperger, Frank Hutter, Chris Fawcett, Holger H. Hoos
Poster	1479: Phase Transitions for Scale-Free SAT Formulas	Tobias Friedrich, Anton Krohmer, Ralf Rothenberger, Andrew M. Sutton
	ML19: Graphical Model Learning	Wed 10-11, Continental 1-3
Oral	1463: Poisson Sum-Product Networks: A Deep Architecture for Tractable Multivariate Poisson Distributions	Alejandro Molina, Sriraam Natarajan, Kristian Kersting
Oral	1216: Bilateral k -means Algorithm for Fast Co-Clustering	Junwei Han, Kun Song, Feiping Nie, Xuelong Li
Oral	412: Unsupervised Learning with Truncated Gaussian Graphical Models	Qinliang Su, Xuejun Liao, Chunyuan Li, Zhe Gan, Lawrence Carin
Poster	190: Asymmetric Discrete Graph Hashing	Xiaoshuang Shi, Fuyong Xing, Kaidi Xu, Manish Sapkota, Lin Yang
Poster	1429: Sparse Boltzmann Machines with Structure Learning as Applied to Text Analysis	Zhourong Chen, Nevin L. Zhang, Dit-Yan Yeung, Peixian Chen
Poster	174: Infinite Kernel Learning: Generalization Bounds and Algorithms	Yong Liu, Shizhong Liao, Hailun Lin, Yinliang Yue, Weiping Wang
	VIS8: Videos	Wed 10-11, Golden Gate 7-8
Oral	685: DECK: Discovering Event Composition Knowledge from Web Images for Zero-Shot Event Detection and Recounting in Videos	Chuang Gan, Chen Sun, Ram Nevatia
Oral	60: A Multiview-Based Parameter Free Framework for Group Detection	Xuelong Li, Mulin Chen, Feiping Nie, Qi Wang
Oral	288: Cross-View People Tracking by Scene-Centered Spatio-Temporal Parsing	Yuanlu Xu, Xiaobai Liu, Lei Qin, Song-Chun Zhu

Poster	2524: VINet: Visual-Inertial Odometry as a Sequence-to-Sequence Learning Problem	Ronald Clark, Sen Wang, Hongkai Wen, Andrew Markham, Niki Trigoni
Poster	560: Weakly-Supervised Deep Nonnegative Low-Rank Model for Social Image Tag Refinement and Assignment	Zechao Li, Jinhui Tang
Poster	114: Collective Deep Quantization for Efficient Cross-Modal Retrieval	Yue Cao, Mingsheng Long, Jianmin Wang, Shichen Liu
STCOGS1: Language Understanding and Dialogue		Wed 10-11, Golden Gate 3
Oral	2541: Scanpath Complexity: Modeling Reading Effort Using Gaze Information	Abhijit Mishra, Diptesh Kanojia, Seema Nagar, Kuntal Dey, Pushpak Bhattacharyya
Oral	2011: Natural Language Acquisition and Grounding for Embodied Robotic Systems	Muhannad Alomari, Paul Duckworth, David C. Hogg, Anthony G. Cohn
Poster	1510: Imagined Visual Representations as Multimodal Embeddings	Guillem Collell, Ted Zhang, Marie-Francine Moens
Poster	2420: Semantic Proto-Role Labeling	Adam Teichert, Adam Poliak, Benjamin Van Durme, Matthew R. Gormley
Poster	2571: Analogical Chaining with Natural Language Instruction for Commonsense Reasoning	Joseph A. Blass, Kenneth D. Forbus
Poster	2764: ConceptNet 5.5: An Open Multilingual Graph of General Knowledge	Robert Speer, Joshua Chin, Catherine Havasi
RU1: Probabilistic Inference		Wed 10-11, Golden Gate 4
Oral	1228: The Kernel Kalman Rule —Efficient Nonparametric Inference with Recursive Least Squares	Gregor H. W. Gebhardt, Andras Kupcsik, Gerhard Neumann
Oral	771: Open-Universe Weighted Model Counting	Vaishak Belle
Oral	2066: Anytime Best+Depth-First Search for Bounding Marginal MAP	Radu Marinescu, Junkyu Lee, Alexander Ihler, Rina Dechter
Poster	101: Solving Constrained Combinatorial Optimization Problems via MAP Inference without High-order Penalties	Zhen Zhang, Qinfeng Shi, Julian McAuley, Wei Wei, Yanning Zhang, Rui Yao, Anton van den Hengel
Poster	3165: Causal Effect Identification by Adjustment under Confounding and Selection Biases	Juan D. Correa, Elias Bareinboim
Poster	107: Deterministic vs Probabilistic Methods for Searching for an Evasive Target	Sara Bernardini, Maria Fox, Derek Long, Chiara Piacentini
MAS1: Coordination and Collaboration		Wed 10-11, Golden Gate 6
Oral	2496: Incentivising Monitoring in Open Normative Systems	Natasha Alechina, Joseph Y. Halpern, Ian A. Kash, Brian Logan
Oral	2767: Engineering Agreement: The Naming Game with Asymmetric and Heterogeneous Agents	Jie Gao, Bo Li, Grant Schoenebeck, Fang-Yi Yu
Oral	1969: The Computational Complexity of Weighted Greedy Matching	Argyrios Deligkas, George B. Mertzios, Paul G. Spirakis
Poster	1788: Improving Surveillance Using Cooperative Target Observation	Rashi Aswani, Sai Krishna Munnangi, Praveen Paruchuri
Poster	2246: Reasoning about Cognitive Trust in Stochastic Multiagent Systems	Xiaowei Huang, Marta Kwiatkowska
Poster	1301: Decentralized Planning in Stochastic Environments with Submodular Rewards	Rajiv Ranjan Kumar, Pradeep Varakantham, Akshat Kumar
HSO4: Optimization (plus one Senior Member presentation)		Wed 10-11, Golden Gate 1-2
Oral	580: Parallel Asynchronous Stochastic Variance Reduction for Nonconvex Optimization	Cong Fang, Zhouchen Lin
Oral	1351: Efficient Stochastic Optimization for Low-Rank Distance Metric Learning	Jie Zhang, Lijun Zhang
SM	3430: Progress and Challenges in Research on Cognitive Architectures	Pat Langley
Poster	2515: The Linearization of Belief Propagation on Pairwise Markov Random Fields	Wolfgang Gatterbauer
Poster	2629: Novel Geometric Approach for Global Alignment of PPI Networks	Yangwei Liu, Hu Ding, Danyang Chen, Jinhui Xu
Poster	982: When Does Bounded-Optimal Metareasoning Favor Few Cognitive Systems?	Smitha Milli, Falk Lieder, Thomas L. Griffiths
IAAI-17: Decision Support: AI for Better Decision Making		Wed 10-11, Golden Gate 5
	Cracks Under Pressure? Burst Prediction in Water Networks Using Dynamic Metrics	Gollakota Kaushik, Abinaya Manimaran, Arunchandar Vasani, Venkatesh Sarangan, Anand Sivasubramanian
	Optimal Sequential Drilling for Hydrocarbon Field Development Planning	Ruben Rodriguez Torrado, Jesus Rios, Gerald Tesaro
	Predictive Off-Policy Policy Evaluation for Nonstationary Decision Problems, with Applications to Digital Marketing	Philip S. Thomas, Georgios Theodorou, Mohammad Ghavamzadeh, Ishan Durugkar, Emma Brunskill

11:30am - 12:30pm

ML20: Classification		Wed 11:30-12:30, Continental 7-8
Oral	1162: Fast Online Incremental Learning on Mixture Streaming Data	Yi Wang, Xin Fan, Zhongxuan Luo, Tianzhu Wang, Maomao Min, Jiebo Luo
Oral	2508: Confidence-Rated Discriminative Partial Label Learning	Cai-Zhi Tang, Min-Ling Zhang
Oral	478: Multi-View Clustering and Semi-Supervised Classification with Adaptive Neighbours	Feiping Nie, Guohao Cai, Xuelong Li
Poster	1473: Addressing Imbalance in Multi-Label Classification Using Structured Hellinger Forests	Zachary A. Daniels, Dimitris N. Metaxas
Poster	3005: Solving Indefinite Kernel Support Vector Machine with Difference of Convex Functions Programming	Hai-Ming Xu, Hui Xue, Xiao-Hong Chen, Yun-Yun Wang
Poster	365: Querying Partially Labelled Data to Improve a K -nn Classifier	Vu-Linh Nguyen, Sébastien Destercke, Marie-Hélène Masson
HSO5: Heuristic Search		Wed 11:30-12:30, Continental 9
Oral	1766: Dancing with Decision Diagrams: A Combined Approach to Exact Cover	Masaaki Nishino, Norihito Yasuda, Shin-ichi Minato, Masaaki Nagata

Oral	1493: Automated Data Extraction Using Predictive Program Synthesis	Mohammad Raza, Sumit Gulwani
Oral	1031: Anytime Anyspace AND/OR Search for Bounding the Partition Function	Qi Lou, Rina Dechter, Alexander Ihler
Poster	2214: Marrying Uncertainty and Time in Knowledge Graphs	Melisachew Wudage Chekol, Giuseppe Pirrò, Joerg Schoenfish, Heiner Stuckenschmidt
Poster	3061: Maximum Model Counting	Daniel J. Fremont, Markus N. Rabe, Sanjit A. Seshia
Poster	862: Latent Dependency Forest Models	Shanbo Chu, Yong Jiang, Kewei Tu
ML21: Data Mining and Knowledge Discovery		Wed 11:30-12:30, Continental 1-3
Oral	2167: Streaming Classification with Emerging New Class by Class Matrix Sketching	Xin Mu, Feida Zhu, Juan Du, Ee-Peng Lim, Zhi-Hua Zhou
Oral	2002: Discover Multiple Novel Labels in Multi-Instance Multi-Label Learning	Yue Zhu, Kai Ming Ting, Zhi-Hua Zhou
Oral	860: FeaBoost: Joint Feature and Label Refinement for Semantic Segmentation	Yulei Niu, Zhiwu Lu, Songfang Huang, Xin Gao, Ji-Rong Wen
Poster	1343: Large Graph Hashing with Spectral Rotation	Xuelong Li, Di Hu, Feiping Nie
Poster	1279: Matching Node Embeddings for Graph Similarity	Giannis Nikolentzos, Polykarpos Meladianos, Michalis Vazirgiannis
Poster	3226: Deep MIML Network	Ji Feng, Zhi-Hua Zhou
SCS1: Constraint Satisfaction		Wed 11:30-12:30, Golden Gate 7-8
Oral	818: Soft and Cost MDD Propagators	Guillaume Perez, Jean-Charles Régin
Oral	1902: A BTP-Based Family of Variable Elimination Rules for Binary CSPs	Achref El Mouelhi
Oral	1315: Algorithms for Deciding Counting Quantifiers over Unary Predicates	Marcelo Finger, Glauber De Bona
Poster	1155: Between Subgraph Isomorphism and Maximum Common Subgraph	Ruth Hoffmann, Ciaran McCreesh, Craig Reilly
Poster	1556: General Bounds on Satisfiability Thresholds for Random CSPs via Fourier Analysis	Colin Wei, Stefano Ermon
Poster	160: The Opacity of Backbones	Lane A. Hemaspaandra, David E. Narváez
STCOGS2: Conceptual Inference and Reasoning		Wed 11:30-12:30, Golden Gate 3
Oral	371: Identifying Useful Inference Paths in Large Commonsense Knowledge Bases by Retrograde Analysis	Abhishek Sharma, Keith M. Goolsbey
Oral	937: Inductive Reasoning about Ontologies Using Conceptual Spaces	Zied Bouraoui, Shoaib Jameel, Steven Schockaert
Oral	1411: Combining Logical Abduction and Statistical Induction: Discovering Written Primitives with Human Knowledge	Wang-Zhou Dai, Zhi-Hua Zhou
Poster	2501: Goal Operations for Cognitive Systems	Michael T. Cox, Dustin Dannenhauer, Sravya Kondrakunta
Poster	1356: Towards Continuous Scientific Data Analysis and Hypothesis Evolution	Yolanda Gil, Daniel Garijo, Varun Ratnakar, Rajiv Mayani, Ravali Adusumilli, Hunter Boyce, Arunima Srivastava, Parag Mallick
Poster	2054: Towards a Brain Inspired Model of Self-Awareness for Sociable Agents	Budhitama Subagdja, Ah-Hwee Tan
RU2: Sequential Decision Making		Wed 11:30-12:30, Golden Gate 4
Oral	1153: I See What You See: Inferring Sensor and Policy Models of Human Real-World Motor Behavior	Felix Schmitt, Hans-Joachim Bieg, Michael Herman, Constantin A. Rothkopf
Oral	2095: Multi-Objective Influence Diagrams with Possibly Optimal Policies	Radu Marinescu, Abdul Razak, Nic Wilson
Oral	2587: Misspecified Linear Bandits	Avishek Ghosh, Sayak Ray Chowdhury, Aditya Gopalan
Poster	2025: Optimizing Expectation with Guarantees in POMDPs	Krishnendu Chatterjee, Petr Novotny, Guillermo A. Pérez, Jean-François Raskin, Dorde Zikelic
Poster	2970: Hindsight Optimization for Hybrid State and Action MDPs	Aswin Raghavan, Scott Sanner, Roni Khordon, Prasad Tadepalli, Alan Fern
Poster	1251: Optimizing Quantiles in Preference-based Markov Decision Processes	Hugo Gilbert, Paul Weng, Yan Xu
GTEP8: Social Choice / Voting		Wed 11:30-12:30, Golden Gate 6
Oral	1507: Proportional Justified Representation	Luis Sánchez-Fernández, Edith Elkind, Martin Lackner, Norberto Fernández, Jesús A. Fisteus, Pablo Basanta Val, Piotr Skowron
Oral	531: Preference Elicitation for Participatory Budgeting	Gerdu Benade, Swaprava Nath, Ariel D. Procaccia, Nisarg Shah
Oral	2285: Optimizing Positional Scoring Rules for Rank Aggregation	Ioannis Caragiannis, Xenophon Chatzigeorgiou, George A. Krimpas, Alexandros A. Voudouris
Poster	2158: Solving Seven Open Problems of Offline and Online Control in Borda Elections	Marc Neveling, Jörg Rothe
Poster	1379: Taming the Matthew Effect in Online Markets with Social Influence	Franco Berbeglia, Pascal Van Hentenryck
Poster	1948: StructInf: Mining Structural Influence from Social Streams	Jing Zhang, Jie Tang, Yuanyi Zhong, Yuchen Mo, Juanzi Li, Guojie Song, Wendy Hall, Jimeng Sun
Senior Member Talks 2 (Summary)		Wed 11:30-12:30, Golden Gate 1-2
	3436: Machine Learning for Entity Coreference Resolution: A Retrospective	Vincent Ng
	3403: Explaining Ourselves: Human-Aware Constraint Reasoning	Eugene C. Freuder
	3435: Multi-Robot Allocation of Tasks with Temporal and Ordering Constraints	Maria Gini
IAAI-17: Sense-Making: Using Automated Systems to Pull Out Patterns and Structure from Data		Wed 11:30-12:30, Golden Gate 5
	Using Deep and Convolutional Neural Networks for Accurate Emotion Classification on DEAP Dataset	Samarth Tripathi, Shrinivas Acharya, Ranti Dev Sharma, Sudhanshi Mittal, Samit Bhattacharya

	A Machine Learning Approach for Semantic Structuring of Scientific Charts in Scholarly Documents	Rabah A. Al-Zaidy, C. Lee Giles
	Automated Data Cleansing through Meta-Learning	Ian Gemp, Georgios Theodorou, Mohammad Ghavamzadeh

2:00 - 3:30pm

	ML22: Dimensionality Reduction / Feature Selection	Wed 2-3:30, Continental 7-8
Oral	2712: Robust Partially-Compressed Least-Squares	Stephen Becker, Ban Kawas, Marek Petrik
Oral	797: Two-Dimensional PCA with F-Norm Minimization	Qianqian Wang, Quanxue Gao
Oral	497: Cost-Sensitive Feature Selection via F-Measure Optimization Reduction	Meng Liu, Chang Xu, Yong Luo, Chao Xu, Yonggang Wen, Dacheng Tao
Oral	2149: Multi-Kernel Low-Rank Dictionary Pair Learning for Multiple Features Based Image Classification	Xiaoke Zhu, Xiao-Yuan Jing, Fei Wu, Di Wu, Li Cheng, Sen Li, Ruimin Hu
Oral	1886: TaGiTeD: Predictive Task Guided Tensor Decomposition for Representation Learning from Electronic Health Records	Kai Yang, Xiang Li, Haifeng Liu, Jing Mei, Guotong Xie, Junfeng Zhao, Bing Xie, Fei Wang
	NLP8: Applications	Wed 2-3:30, Continental 9
Oral	158: Unsupervised Learning of Evolving Relationships between Literary Characters	Snigdha Chaturvedi, Mohit Iyyer, Hal Daumé III
Oral	3009: Predicting Latent Narrative Mood Using Audio and Physiologic Data	Tuka AlHanai, Mohammad Mahdi Ghassemi
Oral	3119: Building Task-Oriented Dialogue Systems for Online Shopping	Zhao Yan, Nan Duan, Peng Chen, Ming Zhou, Jianshe Zhou, Zhoujun Lix
Oral	272: Collaborative User Clustering for Short Text Streams	Shangsong Liang, Zhaochun Ren, Emine Yilmaz, Evangelos Kanoulas
Oral	2073: The Benefit in Free Information Disclosure When Selling Information to People	Shani Alkoby, David Sarne
	ML23: Time-Series / Data Streams	Wed 2-3:30, Continental 1-3
Oral	1777: Sampling Beats Fixed Estimate Predictors for Cloning Stochastic Behavior in Multiagent Systems	Brian Hrotenok, Byron Boots, Tucker Hybinette Balch
Oral	999: Learning Non-Linear Dynamics of Decision Boundaries for Maintaining Classification Performance	Atsutoshi Kumagai, Tomoharu Iwata
Oral	2594: Structured Inference Networks for Nonlinear State Space Models	Rahul G. Krishnan, Uri Shalit, David Sontag
Oral	1452: Learning Unitary Operators with Help From $u(n)$	Stephanie L. Hyland, Gunnar Rätsch
Oral	2035: Nonlinear Dynamic Boltzmann Machines for Time-Series Prediction	Sakyasingha Dasgupta, Takayuki Osogami
	ROB1: Robotics	Wed 2-3:30, Golden Gate 7-8
Oral	631: Unsupervised Feature Learning for 3D Scene Reconstruction with Occupancy Maps	Vitor Guizilini, Fabio Ramos
Oral	641: Associate Latent Encodings in Learning from Demonstrations	Hang Yin, Francisco S. Melo, Aude Billard, Ana Paiva
Oral	2900: Deep Learning Quadcopter Control via Risk-Aware Active Learning	Olov Andersson, Mariusz Wzorek, Patrick Doherty
Oral	1985: Latent Dirichlet Allocation for Unsupervised Activity Analysis on an Autonomous Mobile Robot	Paul Duckworth, Muhannad Alomari, James Charles, David C. Hogg, Anthony G. Cohn
Oral	1163: Robust MIL-Based Feature Template Learning for Object Tracking	Xiangyuan Lan, Pong C. Yuen, Rama Chellappa
	MAS2: Multiagent Systems	Wed 2-3:30, Golden Gate 3
Oral	1150: Parameterised Verification of Infinite State Multi-Agent Systems via Predicate Abstraction	Panagiotis Kouvaros, Alessio Lomuscio
Oral	2355: Query Complexity of Tournament Solutions	Palash Dey
Oral	878: KONT: Computing Tradeoffs in Normative Multiagent Systems	Özgür Kafalı, Nirav Ajmeri, Munindar P. Singh
Oral	1567: Nurturing Group-Beneficial Information-Gathering Behaviors Through Above-Threshold Criteria Setting	Igor Rochlin, David Sarne, Maytal Bremer, Ben Grynhaas
Oral	1170: Radon —Rapid Discovery of Topological Relations	Mohamed Ahmed Sherif, Kevin Dreßler, Panayiotis Smeros, Axel-Cyrille Ngonga Ngomo
	STCOMPS1: Dynamic and Spatiotemporal Systems	Wed 2-3:30, Golden Gate 4
Oral	2042: Fast-Tracking Stationary MOMDPs for Adaptive Management Problems	Martin Péron, Kai Helge Becker, Peter Bartlett, Iadine Chadès
Oral	823: Robust Optimization for Tree-Structured Stochastic Network Design	Xiaojuan Wu, Akshat Kumar, Daniel Sheldon, Shlomo Zilberstein
Oral	3171: Dynamic Optimization of Landscape Connectivity Embedding Spatial-Capture-Recapture Information	Yexiang Xue, Xiaojuan Wu, Dana Morin, Bistra Dilkina, Angela Fuller, J. Andrew Royle, Carla P. Gomes
Oral	2303: Spatial Projection of Multiple Climate Variables Using Hierarchical Multitask Learning	André R. Gonçalves, Arindam Banerjee, Fernando J. Von Zuben
Oral	2412: Deep Gaussian Process for Crop Yield Prediction Based on Remote Sensing Data	Jiaxuan You, Xiaocheng Li, Melvin Low, David Lobell, Stefano Ermon
	NLP9: Knowledge Representation and Semantics	Wed 2-3:30, Golden Gate 6
Oral	72: SSP: Semantic Space Projection for Knowledge Graph Embedding with Text Descriptions	Han Xiao, Minlie Huang, Lian Meng, Xiaoyan Zhu
Oral	1884: A Context-Enriched Neural Network Method for Recognizing Lexical Entailment	Kun Zhang, Enhong Chen, Qi Liu, Chuanren Liu, Guangyi Lv
Oral	998: Neural Machine Translation with Reconstruction	Zhaopeng Tu, Yang Liu, Lifeng Shang, Xiaohua Liu, Hang Li
Oral	334: Incorporating Knowledge Graph Embeddings into Topic Modeling	Liang Yao, Yin Zhang, Baogang Wei, Zhe Jin, Rui Zhang, Yangyang Zhang, Qinfei Chen

Oral	1890: Prerequisite Skills for Reading Comprehension: Multi-perspective Analysis of MCTest Datasets and Systems	Saku Sugawara, Hikaru Yokono, Akiko Aizawa
	Senior Member Talks 3 (Blue Sky)	Wed 2-3:30, Golden Gate 1-2
	3443: Strategic Social Network Analysis	Tomasz P. Michalak, Talal Rahwan, Michael Wooldridge
	3427: Why Teaching Ethics to AI Practitioners Is Important	Judy Goldsmith, Emanuelle Burton
	3437: Getting More Out of the Exposed Structure in Constraint Programming Models of Combinatorial Problems	Gilles Pesant
	3415: Moral Decision Making Frameworks for Artificial Intelligence	Vincent Conitzer, Walter Sinnott-Armstrong, Jana Schaich Borg, Yuan Deng, Max Kramer
	3417: The AI Rebellion: Changing the Narrative	David W. Aha, Alexandra Coman
4:00 - 5:00pm		
	AAAI	Wed 4-5, Continental 4-6
	AAAI-17 Invited Talk	Kristen Grauman
5:10 - 6:10pm		
	AAAI	Wed 5:10-6:10, Continental 4-6
	AAAI Community Meeting	Subbarao Kambhampati
6:30 - 8:30pm		
	AAAI	Wed 6:30-8:30, Imperial Ballroom
	AAAI-17 Poster / Demo Session 3	
Thursday, February 9		
8:00 - 8:45am		
	AAAI	Thu 8-8:45, Continental 4-6
	AAAI-17 Invited Panel: Advances in AI in Poker: Two Mini-Talks on Recent Breakthroughs and a Panel	Panelists: Michael Bowling and Tuomas Sandholm. Moderated by Kevin Leyton-Brown.
8:50 - 9:50am		
	AAAI	Thu 8:50-9:50, Continental 4-6
	AAAI-17 Invited Talk	Russ Tedrake
10:00 - 10:54am		
	APP1: Deep Learning	Thu 10-10:54, Continental 7-8
Oral	179: Learning Invariant Deep Representation for NIR-VIS Face Recognition	Ran He, Xiang Wu, Zhenan Sun, Tieniu Tan
Oral	1553: Query-Efficient Imitation Learning for End-to-End Simulated Driving	Jiakai Zhang, Kyunghyun Cho
Oral	2991: Deep Collective Inference	John Moore, Jennifer Neville
	GTEP9: Game Theory and Mechanism Design	Thu 10-10:54, Continental 9
Oral	917: The Complexity of Stable Matchings under Substitutable Preferences	Yuan Deng, Debmalya Panigrahi, Bo Waggoner
Oral	327: Optimal Personalized Defense Strategy against Man-in-the-Middle Attack	Xiaohong Li, Shuxin Li, Jianye Hao, Zhiyong Feng, Bo An
Oral	1716: Crowdsourced Outcome Determination in Prediction Markets	Rupert Freeman, Sébastien Lahaie, David M. Pennock
	VIS9: Statistical Methods and Learning	Thu 10-10:54, Continental 1-3
Oral	233: Multilinear Regression for Embedded Feature Selection with Application to fMRI Analysis	Xiaonan Song, Haiping Lu
Oral	1596: Alternating Back-Propagation for Generator Network	Tian Han, Yang Lu, Song-Chun Zhu, Ying Nian Wu
Oral	1532: Resource Constrained Structured Prediction	Tolga Bolukbasi, Kai-Wei Chang, Joseph Wang, Venkatesh Saligrama
	RU3: Uncertainty	Thu 10-10:54, Golden Gate 7
Oral	1736: An Ambiguity Aversion Model for Decision Making under Ambiguity	Wenjun Ma, Xudong Luo, Yuncheng Jiang
Oral	1888: Minimal Undefinedness for Fuzzy Answer Sets	Mario Alviano, Giovanni Amendola, Rafael Peñaloza
Oral	3174: Non-Deterministic Planning with Temporally Extended Goals: LTL over Finite and Infinite Traces	Alberto Camacho, Eleni Triantafillou, Christian Muise, Jorge A. Baier, Sheila A. McIlraith
	VIS10: Perception	Thu 10-10:54, Golden Gate 3
Oral	913: Visual Sentiment Analysis by Attending on Local Image Regions	Quanzeng You, Hailin Jin, Jiebo Luo
Oral	3151: Soft Video Parsing by Label Distribution Learning	Xin Geng, Miaogen Ling
Oral	130: Closing the Loop for Edge Detection and Object Proposals	Yao Lu, Linda Shapiro
	APP2: Biomedical / Bioinformatics	Thu 10-10:54, Golden Gate 4
Oral	64: Healthy Cognitive Aging: A Hybrid Random Vector Functional-Link Model for the Analysis of Alzheimers Disease	Peng Dai, Femida Gwadry-Sridhar, Michael Bauer, Michael Borrie, Xue Teng
Oral	1069: Volumetric ConvNets with Mixed Residual Connections for Automated Prostate Segmentation from 3D MR Images	Lequan Yu, Xin Yang, Hao Chen, Jing Qiny, Pheng-Ann Heng
Oral	1431: Local Discriminant Hyperalignment for Multi-Subject fMRI Data Alignment	Muhammad Yousefnezhad, Daoqiang Zhang
	NLP10: Semantics and Summarization	Thu 10-10:54 Golden Gate 6
Oral	2788: SummaRuNNer: A Recurrent Neural Network Based Sequence Model for Extractive Summarization of Documents	Ramesh Nallapati, Feifei Zhai, Bowen Zhou
Oral	1313: Improving Multi-Document Summarization via Text Classification	Ziqiang Cao, Wenjie Li, Sujian Li, Furu Wei
Oral	1020: Unit Dependency Graph and Its Application to Arithmetic Word Problem Solving	Subhro Roy, Dan Roth
	MLA9: Networks	Thu 10-10:54, Golden Gate 5

Oral	2354: Finding Cut from the Same Cloth: Cross Network Link Recommendation via Joint Matrix Factorization	Arun Reddy Nelakurthi, Jingrui He
Oral	131: Community-Based Question Answering via Asymmetric Multi-Faceted Ranking Network Learning	Zhou Zhao, Hanqing Lu, Vincent W. Zheng, Deng Cai, Xiaofei He, Yueting Zhuang
Oral	337: Catch'Em All: Locating Multiple Diffusion Sources in Networks with Partial Observations	Kai Zhu, Zhen Chen, Lei Ying
	What's Hot 2	Thu 10-11:00, Golden Gate 1-2
	Kaggle: Kaggle Data Science Competitions	Wendy Kam
	KDD: 22nd ACM SIGKDD Conference on Knowledge Discovery and Data	Alex Smola and Charu Aggarwal
	GECCO: Genetic and Evolutionary Computation Conference	Tobias Friedrich and Frank Neumann
	Humanoids: 2016 IEEE-RAS International Conference on Humanoid Robotics	Oussama Khatib
11:30am - 12:42pm		
	ML24: Semisupervised Learning	Thu 11:30-12:42, Continental 7-8
Oral	2742: Parametric Dual Maximization for Non-Convex Learning Problems	Yuxun Zhou, Zhaoyi Kang, Costas J. Spanos
Oral	2588: Semi-Supervised Classifications via Elastic and Robust Embedding	Yun Liu, Yiming Guo, Hua Wang, Feiping Nie, Heng Huang
Oral	2198: Semi-Supervised Adaptive Label Distribution Learning for Facial Age Estimation	Peng Hou, Xin Geng, Zeng-Wei Huo, Jia-Qi Lv
Oral	2456: Convex Co-Embedding for Matrix Completion with Predictive Side Information	Yuhong Guo
	PS4: Planning	Thu 11:30-12:42, Continental 9
Oral	2765: Landmark-Based Heuristics for Goal Recognition	Ramon Fraga Pereira, Nir Oren, Felipe Meneguzzi
Oral	2100: Computational Issues in Time-Inconsistent Planning	Pingzhong Tang, Yifeng Teng, Zihe Wang, Shenke Xiao, Yichong Xu
Oral	945: Fast SSP Solvers Using Short-Sighted Labeling	Luis Pineda, Kyle Hollins Wray, Shlomo Zilberstein
Oral	2241: Integrating the Cognitive with the Physical: Musical Path Planning for an Improvising Robot	Mason Bretan, Gil Weinberg
	ML25: Recommender Systems	Thu 11:30-12:42, Continental 1-3
Oral	1502: Polynomial Optimization Methods for Matrix Factorization	Po-Wei Wang, Chun-Liang Li, J. Zico Kolter
Oral	1549: Low-Rank Factorization of Determinantal Point Processes	Mike Gartrell, Ulrich Paquet, Noam Koenigstein
Oral	648: Factorization Bandits for Interactive Recommendation	Huazheng Wang, Qingyun Wu, Hongning Wang
Oral	316: Riemannian Submanifold Tracking on Low-Rank Algebraic Variety	Qian Li, Zhichao Wang
	APP3: Applications	Thu 11:30-12:42, Golden Gate 7
Oral	777: Treatment Effect Estimation with Data-Driven Variable Decomposition	Kun Kuang, Peng Cui, Bo Li, Meng Jiang, Shiqiang Yang, Fei Wang
Oral	909: Examples-Rules Guided Deep Neural Network for Makeup Recommendation	Taleb Alashkar, Songyao Jiang, Shuyang Wang, Yun Fu
Oral	1682: Additional Multi-Touch Attribution for Online Advertising	Wendi Ji, Xiaoling Wang
Oral	359: Recurrent Neural Networks with Auxiliary Labels for Cross-Domain Opinion Target Extraction	Ying Ding, Jianfei Yu, Jing Jiang
	STIS1: Planning and Decision Making	Thu 11:30-12:42 Golden Gate 3
Oral	1485: State Projection via AI Planning	Shirin Sohrabi, Anton V. Riabov, Octavian Udrea
Oral	2835: Learning to Predict Intent from Gaze During Robotic Hand-Eye Coordination	Yosef Razin, Karen Feigh
Oral	958: An Integrated Model for Effective Saliency Prediction	Xiaoshuai Sun, Zi Huang, Hongzhi Yin, Heng Tao Shen
Oral	2275: The Symbolic Interior Point Method	Martin Mladenov, Vaishak Belle, Kristian Kersting
	MLA10: Applications	Thu 11:30-12:42, Golden Gate 4
Oral	828: Learning with Feature Network and Label Network Simultaneously	Yingming Li, Ming Yang, Zenglin Xu, Zhongfei (Mark) Zhang
Oral	786: Knowing What to Ask: A Bayesian Active Learning Approach to the Surveying Problem	Yoad Lewenberg, Yoram Bachrach, Ulrich Paquet, Jeffrey S. Rosenschein
Oral	1859: Multitask Dyadic Prediction and Its Application in Prediction of Adverse Drug-Drug Interaction	Bo Jin, Haoyu Yang, Cao Xiao, Ping Zhang, Xiaopeng Wei, Fei Wang
Oral	1187: A Framework for Minimal Clustering Modification via Constraint Programming	Chia-Tung Kuo, S. S. Ravi, Thi-Bich-Hanh Dao, Christel Vrain, Ian Davidson
	MLA11: Machine Learning Applications	Thu 11:30-12:42, Golden Gate 6
Oral	1601: Distant Supervision for Relation Extraction with Sentence-Level Attention and Entity Descriptions	Guoliang Ji, Kang Liu, Shizhu He, Jun Zhao
Oral	1922: Fine-Grained Car Detection for Visual Census Estimation	Timnit Gebru, Jonathan Krause, Yilun Wang, Duyun Chen, Jia Deng, Li Fei-Fei
Oral	363: Centralized versus Personalized Commitments and Their Influence on Cooperation in Group Interactions	The Anh Han, Luis Moniz Pereira, Luis A. Martinez-Vaquero, Tom Lenaerts
Oral	514: Reactive Versus Anticipative Decision Making in a Novel Gift-Giving Game	Elias Fernández Domingos, Juan Carlos Burguillo, Tom Lenaerts
	MLA12: Applications	Thu 11:30-12:42, Golden Gate 5
Oral	1690: Self-Paced Multi-Task Learning	Changsheng Li, Junchi Yan, Fan Wei, Weishan Dong, Qingshan Liu, Hongyuan Zha
Oral	3054: Associative Memory Using Dictionary Learning and Expander Decoding	Arya Mazumdar, Ankit Singh Rawat
Oral	2772: SnapNETS: Automatic Segmentation of Network Sequences with Node Labels	Sorour E. Amiri, Liangzhe Chen, B. Aditya Prakash

Oral	1572: Gated Neural Networks for Option Pricing: Rationality by Design	Yongxin Yang, Yu Zheng, Timothy M. Hospedales
	SCS2: Search	Thu 11:30-12:42, Golden Gate 1-2
Oral	603: Should Algorithms for Random SAT and Max-SAT be Different?	Sixue Liu, Gerard de Melo
Oral	934: Asynchronous Mini-Batch Gradient Descent with Variance Reduction for Non-Convex Optimization	Zhouyuan Huo, Heng Huang
Oral	124: Informative Subspace Learning for Counterfactual Inference	Yale Chang, Jennifer G. Dy
Oral	2365: Obvious Strategyproofness Needs Monitoring for Good Approximations	Diodato Ferraioli, Carmine Ventre