

Date	Start	End	Session ID	Room ID	Session Title	Paper ID	Paper track ID	Paper Title	Authors/Speaker	Paper Type	Panel ID
7/27/2015	19:00	21:30	Opening		IJCAI 2015 Opening						
7/28/2015	08:30	09:30	Invited9	LB	Computers and Thought Award	Invited9	9	Computers and Thought Award	Prof. Ariel Procaccia		
7/28/2015	09:30	09:40	Transition1		Transition						
7/28/2015	09:40	10:40	Distinguished Paper	GH	Distinguished Paper Track	Main75	75	Recursive Decomposition for Nonconvex Optimization	Abram Friesen, Pedro Domingos	long	81
7/28/2015	09:40	10:40	Distinguished Paper	GH	Distinguished Paper Track	ML112	112	Bayesian Active Learning for Posterior Estimation	Kirthevasan Kandasamy, Jeff Schneider, Barnabas Poczos	long	83
7/28/2015	09:40	10:40	Distinguished Paper	GH	Distinguished Paper Track	KR297	297	Reasonable Highly Expressive Query Languages	Pierre Bourhis, Markus Krotzsch, Sebastian Rudolph	long	85
7/28/2015	09:40	10:40	Main1	LB1	Game Theory 1	Main144	144	Simple Causes of Complexity in Hedonic Games	Dominik Peters, Edith Elkind	long	37
7/28/2015	09:40	10:40	Main1	LB1	Game Theory 1	Main99	99	The Adjusted Winner Procedure: Characterizations and Equilibria	Haris Aziz, Simina Branzei, Aris Filos-Ratsikas, Soren Kristoffer Stiil Frederiksen	long	38
7/28/2015	09:40	10:40	Main1	LB1	Game Theory 1	Main10	10	Impartial Peer Review	David Kurokawa, Omer Lev, Jamie Morgenstern, Ariel D. Procaccia	long	39
7/28/2015	09:40	10:40	Main76	LB2	Planning 1	Main784	784	Deordering and Numeric Macro Actions for Plan Repair	Scala Enrico, Pietro Torasso	short	43
7/28/2015	09:40	10:40	Main76	LB2	Planning 1	Main456	456	Cost-optimal and Net-benefit Planning--A Parameterised Complexity View	Meysam Aghighi, Christer Backstrom	short	44
7/28/2015	09:40	10:40	Main76	LB2	Planning 1	Main1019	1019	On the Online Generation of Effective Macro-operators	Lukas Chrupa, Mauro Vallati, Thomas Leo McCluskey	short	45
7/28/2015	09:40	10:40	Main3	LB3	Relational Learning	Main718	718	Anytime Inference in Probabilistic Logic Programs with Tp-compilation	Jonas Vlasselaer, Guy Van den Broeck, Angelika Kimmig, Wannes Meert, Luc de Raedt	long	50
7/28/2015	09:40	10:40	Main3	LB3	Relational Learning	Main554	554	Knowledge Base Completion Using Embeddings and Rules	Quan Wang, Bin Wang	short	51
7/28/2015	09:40	10:40	Main3	LB3	Relational Learning	Main580	580	Inducing Probabilistic Relational Rules from Probabilistic Examples	Luc de Raedt, Anton Dries, Ingo Thon, Guy Van den Broeck, Mathias Verbeke	short	52
7/28/2015	09:40	10:40	Main3	LB3	Relational Learning	Main1333	1333	Saul: Towards Declarative Learning Based Programming	Parisa Kordjamshidi, Dan Roth, Hao Wu	long	53
7/28/2015	09:40	10:40	KR1	LP	KR Track: Aggregations	KR66	66	Modular Systems with Preferences	Alireza Ensan, Eugenia Ternovska	long	61
7/28/2015	09:40	10:40	KR1	LP	KR Track: Aggregations	KR126	126	Multilateral Negotiation in Boolean Games with Incomplete Information using Generalized Possibilistic Logic	Sofie de Clercq, Steven Schockaert, Martine de Cock, Ann Nowe	long	63
7/28/2015	09:40	10:40	KR1	LP	KR Track: Aggregations	KR224	224	Computing social behaviours using agent models	Paolo Felli, Tim Miller, Christian Muise, Adrian R. Pearce, Liz Sonenberg	long	65
7/28/2015	09:40	10:40	ML1	R1	ML Track: Deep Learning 1	ML56	56	Deep Convolutional Neural Networks on Multichannel Time Series for Human Activity Recognition	Jian-Bo Yang, Minh Nhut Nguyen, Phyo Phyo San, Xiaoli Li, Priyadarsini Krishnaswamy Shonali	short	16

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7/28/2015	09:40	10:40	ML1	R1	ML Track: Deep Learning 1	ML249	249	Speeding up Automatic Hyperparameter Optimization of Deep Neural Networks by Extrapolation of Learning Curves	Tobias Domhan, Tobias Springenberg, Frank Hutter	short	17
7/28/2015	09:40	10:40	ML1	R1	ML Track: Deep Learning 1	ML250	250	Perception Evolution Network Adapting to the Emergence of New Sensory Receptor	Youlu Xing, Furoo Shen, Jinxi Zhao	long	18
7/28/2015	09:40	10:40	ML1	R1	ML Track: Deep Learning 1	ML514	514	Equivalence Results between Feedforward and Recurrent Neural Networks for Sequences	Alessandro Sperduti	long	19
7/28/2015	09:40	10:40	AIA1	R2	AI&Arts: Visual Arts, Music, Language	AIA15	15	Looking at Mondrian's Victory Boogie-Woogie: What do I feel?	Andreza Sartori, Yan Yan, Gozde Ozbal, Alkim Almila Akdag Salah, Albert Ali Salah, Nicu Sebe	long	9
7/28/2015	09:40	10:40	AIA1	R2	AI&Arts: Visual Arts, Music, Language	AIA20	20	Computational invention of cadences and chord progressions by conceptual chord-blending	Manfred Eppe, Roberto Confalonieri, Ewen Maclean, Maximos Kaliakatsos, Emilios Cambouropoulos, Mihai Codescu, Marco Schorlemmer, Kai-Uwe Kuehnberger	long	10
7/28/2015	09:40	10:40	AIA1	R2	AI&Arts: Visual Arts, Music, Language	AIA44	44	Slogans are not forever: Adapting Linguistic Expressions to the News	Lorenzo Gatti, Gozde Ozbal, Marco Guerini, Oliviero Stock, Carlo Strapparava	long	11
7/28/2015	09:40	10:40	CS2	R3	CS Track: Machine learning	CS33	33	Clustering Dynamic Spatio-Temporal Patterns in The Presence of Noise and Missing Data	Xi Chen, Faghmous James, Ankush Khandelwal, Vipin Kumar	short	1
7/28/2015	09:40	10:40	CS2	R3	CS Track: Machine learning	CS87	87	Copula Graphical Models for Wind Resource Estimation	Kalyan Veeramachaneni, Alfredo Cuesta-Infante, Una-May O'Reilly	long	2
7/28/2015	09:40	10:40	CS2	R3	CS Track: Machine learning	CS92	92	On the Balance of Meter Deployment Cost and NILM Accuracy	Xiaohong Hao, Bangsheng Tang, Yongcai Wang	long	3
7/28/2015	09:40	10:40	CS2	R3	CS Track: Machine learning	CS100	100	Modeling Multi-Attribute Demand for Sustainable Cloud Computing With Copulae	Maryam Ghasemi, Benjamin Lubin	short	4
7/28/2015	10:40	11:10	Poster1		Coffee and Poster 1						
7/28/2015	11:10	12:10	Sist1	GH	Sister Track: Games, Probability and Ontologies	Sist1	1	Near-Optimal Approximation Mechanisms for Multi-Unit Combinatorial Auctions (from AAMAS'13)	Piotr Krysta, Orestis Telelis and Carmine Ventre	long	87
7/28/2015	11:10	12:10	Sist1	GH	Sister Track: Games, Probability and Ontologies	Sist4	4	Reasoning with Probabilistic Ontologies (from RR'13)	Fabrizio Riguzzi, Elena Bellodi, Evelina Lamma and Riccardo Zese	long	89
7/28/2015	11:10	12:10	Sist1	GH	Sister Track: Games, Probability and Ontologies	Sist6	6	Firefly Monte Carlo: Exact MCMC with Subsets of Data (from UAI'14)	Dougal Maclaurin and Ryan Adams	long	91
7/28/2015	11:10	12:10	Main4	LB1	Game Theory 2	Main550	550	Fixing tournaments for kings, chokers, and more	Michael Kim	long	40
7/28/2015	11:10	12:10	Main4	LB1	Game Theory 2	Main429	429	Gibbard Satterthwaite Games	Edith Elkind, Umberto Grandi, Francesca Rossi, Arkadii Slinko	long	41
7/28/2015	11:10	12:10	Main4	LB1	Game Theory 2	Main720	720	Truthful Cake Cutting Mechanisms with Externalities: Do not make them care for others too much!	Minming Li, Jialin Zhang, Qiang Zhang	long	42
7/28/2015	11:10	12:10	Main5	LB2	Natural Language Processing 1	Main812	812	Automated Rule Selection for Aspect Extraction in Opinion Mining	Qian Liu, Zhiqiang Gao, Bing Liu, Yuanlin Zhang	long	46

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7/28/2015	11:10	12:10	Main5	LB2	Natural Language Processing 1	Main791	791	Prior-based Dual Additive Latent Dirichlet Allocation for User-item Connected Documents	Wei Zhang, Jianyong Wang	long	47
7/28/2015	11:10	12:10	Main5	LB2	Natural Language Processing 1	Main1412	1412	Joint POS Tagging and Text Normalization for Informal Text	Chen Li, Yang Liu	short	48
7/28/2015	11:10	12:10	Main5	LB2	Natural Language Processing 1	Main830	830	Multi-Document Abstractive Summarization Using ILP based Multi-Sentence Compression	Siddhartha Banerjee, Prasenjit Mitra, Kazunari Sugiyama	short	49
7/28/2015	11:10	12:10	Main6	LB3	Multiagent Systems 1	Main363	363	Strategy-Proofness of Scoring Allocation Correspondences for Indivisible Goods	Nhan-Tam Nguyen, Dorothea Baumeister, Joerg Rothe	long	54
7/28/2015	11:10	12:10	Main6	LB3	Multiagent Systems 1	Main284	284	What Do We Elect Committees For? A Voting Committee Model for Multi-Winner Rules	Piotr Skowron	long	55
7/28/2015	11:10	12:10	Main6	LB3	Multiagent Systems 1	Main101	101	Equilibria Under the Probabilistic Serial Rule	Haris Aziz, Serge Gaspers, Simon Mackenzie, Nicholas Mattei, Nina Narodytska, Toby Walsh	short	56
7/28/2015	11:10	12:10	Main6	LB3	Multiagent Systems 1	Main1124	1124	Estimating the Margin of Victory of Elections using Sampling	Palash Dey, Y. Narahari	short	57
7/28/2015	11:10	12:10	KR2	LP	KR Track: DL and Ontologies 1	KR25	25	Polynomial Rewritings for Linear Existential Rules	Georg Gottlob, Marco Manna, Andreas Pieris	long	67
7/28/2015	11:10	12:10	KR2	LP	KR Track: DL and Ontologies 1	KR98	98	Efficient Query Rewriting in the Description Logic EL and Beyond	Peter Hansen, Carsten Lutz, Inanc Seylan, Frank Wolter	short	69
7/28/2015	11:10	12:10	KR2	LP	KR Track: DL and Ontologies 1	KR106	106	Query Rewriting for Existential Rules with Compiled Preorder	Mélanie König, Michel Leclere, Marie-Laure Mugnier	long	71
7/28/2015	11:10	12:10	KR2	LP	KR Track: DL and Ontologies 1	KR132	132	The Combined Approach to Query Answering Beyond the OWL 2 Profiles	Cristina Feier, David Carral, Giorgio Stefanoni, Bernardo C. Cuenca Grau, Ian Horrocks	short	73
7/28/2015	11:10	12:10	Main7	R1	Recommender Systems 1	Main140	140	Exploring Implicit Hierarchical Structure for Recommender Systems	Suhang Wang, Jiliang Tang, Huan Liu, Yilin Wang	long	20
7/28/2015	11:10	12:10	Main7	R1	Recommender Systems 1	Main119	119	Simple Atom Selection Strategy for Greedy Matrix Completion	Zebang Shen, Hui Qian	long	21
7/28/2015	11:10	12:10	Main7	R1	Recommender Systems 1	Main589	589	Personalized Tour Recommendation based on User Interests and Points of Interest Visit Durations	Kwan Hui Lim, Jeffrey Chan, Christopher Leckie, Shanika Karunasekera	long	22
7/28/2015	11:10	12:10	ML2	R2	ML Track: New Problems	ML35	35	Collaborative Place Models	Berk Kapicioglu, David S. Rosenberg, Robert E. Schapire, Tony Jebara	short	12
7/28/2015	11:10	12:10	ML2	R2	ML Track: New Problems	ML105	105	Introspective Forecasting	Loizos Michael	long	13
7/28/2015	11:10	12:10	ML2	R2	ML Track: New Problems	ML438	438	Sketch the Storyline with CHARCOAL: a Non-parametric Approach	Siliang Tang, Wu Fei, Si Li, Zhongfei Zhang	short	14
7/28/2015	11:10	12:10	ML2	R2	ML Track: New Problems	ML558	558	Open Domain Short Text Conceptualization: A Generative + Descriptive Modeling Approach	Yangqiu Song, Shusen Wang, Haixun Wang	long	15
7/28/2015	11:10	12:10	Main70	R3	Heuristic Search 1	Main159	159	Mining Expert Play to Guide Monte Carlo Search in the Opening Moves of Go	Steinmetz Erik, Maria L. Gini	long	5
7/28/2015	11:10	12:10	Main70	R3	Heuristic Search 1	Main1102	1102	Computing Possibly Optimal Solutions for Multi-Objective Constraint Optimisation with Tradeoffs	Nic Wilson, Razak Abdul, Radu Marinescu	short	6

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7/28/2015	11:10	12:10	Main70	R3	Heuristic Search 1	Main93	93	<b>Generalized Rapid Action Value Estimation</b>	<i>Tristan Cazenave</i>	short	7
7/28/2015	11:10	12:10	Main70	R3	Heuristic Search 1	Main1253	1253	<b>Efficient Search with an Ensemble of Heuristics</b>	<i>Mike Phillips, Venkatraman Narayanan, Sandip Aine, Maxim Likhachev</i>	long	8
7/28/2015	12:10	12:30	Poster2		Poster 2						
7/28/2015	12:30	14:00	Lunch1		Lunch						
7/28/2015	14:00	15:00	Invited1	LB	Invited Talk 1: Julien Cornebise	Invited1	1	<b>Towards General Artificial Intelligence</b>	<i>Dr. Julien Cornebise</i>		
7/28/2015	14:00	15:00	Invited2	R	Invited Talk 2: Christof Koch	Invited2	2	<b>Consciousness in Biological and Artificial Brains</b>	<i>Christof Koch</i>		
7/28/2015	15:00	15:10	Transition2		Transition						
7/28/2015	15:10	16:30	Jnl1	GH	Journal Track: Natural Language Processing	Journal17	17	<b>New Avenues in Opinion Mining and Sentiment Analysis [Extended Abstract]</b>	<i>Erik Cambria, Bjorn Schuller, Yunqing Xia</i>	Long	81
7/28/2015	15:10	16:30	Jnl1	GH	Journal Track: Natural Language Processing	Journal18	18	<b>Phrase Detectives: Utilizing Collective Intelligence for Internet-Scale Language Resource Creation (Extended Abstract)</b>	<i>Massimo Poesio, Jon Chamberlain, Udo Kruschwitz, Livio Robaldo, Luca Ducceschi</i>	long	82
7/28/2015	15:10	16:30	Jnl1	GH	Journal Track: Natural Language Processing	Journal19	19	<b>Developing Corpora for Sentiment Analysis: The Case of Irony and Senti-TUT (Extended abstract)</b>	<i>Cristina Bosco, Viviana Patti, Andrea Bolioli</i>	long	83
7/28/2015	15:10	16:30	Jnl1	GH	Journal Track: Natural Language Processing	Journal20	20	<b>Feature Ensemble Plus Sample Selection: Domain Adaptation for Sentiment Classification [Extended Abstract]</b>	<i>Rui Xia, Chengqing Zong, Xuelei Hu, Erik Cambria</i>	long	84
7/28/2015	15:10	16:30	Jnl1	GH	Journal Track: Natural Language Processing	Journal21	21	<b>Enhanced SenticNet with Affective Labels for Concept-based Opinion Mining [Extended Abstract]</b>	<i>Soujanya Poria, Erik Cambria, Newton Howard, Amir Hussain</i>	long	85
7/28/2015	15:10	16:30	Main8	LB1	Game Theory 3	Main432	432	<b>Learning Cooperative Games</b>	<i>Maria F Balcan, Ariel D. Procaccia, Yair Zick</i>	long	37
7/28/2015	15:10	16:30	Main8	LB1	Game Theory 3	Main808	808	<b>Influence in Classification via Cooperative Game Theory</b>	<i>Amit Datta, Anupam Datta, Ariel D. Procaccia, Yair Zick</i>	long	38
7/28/2015	15:10	16:30	Main8	LB1	Game Theory 3	Main658	658	<b>Simultaneous Abstraction and Equilibrium Finding in Games</b>	<i>Noam Brown, Tuomas Sandholm</i>	long	39
7/28/2015	15:10	16:30	Main8	LB1	Game Theory 3	Main521	521	<b>Solving Heads-up Limit Texas Hold'em</b>	<i>Oskari Tammelin, Neil Burch, Michael Johanson, Michael Bowling</i>	long	40
7/28/2015	15:10	16:30	ML-ISC1	LB2	ML Track: Invited Sister Conference Presentations 1	ML-ISC1	1	<b>Learning in the Model Space for Temporal Data</b>	<i>Peter Tino</i>	long	44
7/28/2015	15:10	16:30	ML-ISC1	LB2	ML Track: Invited Sister Conference Presentations 1	ML-ISC2	2	<b>Fast Spatio-temporal Analysis via Low Rank Tensor Learning</b>	<i>Yan Liu</i>	long	45
7/28/2015	15:10	16:30	ML-ISC1	LB2	ML Track: Invited Sister Conference Presentations 1	ML-ISC3	3	<b>Languages for Mining and Learning</b>	<i>Luc De Raedt</i>	long	46
7/28/2015	15:10	16:30	ML-ISC1	LB2	ML Track: Invited Sister Conference Presentations 1	ML-ISC4	4	<b>Learning as Interpretation</b>	<i>Stephen Muggleton</i>	long	47

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7/28/2015	15:10	16:30	Main10	LB3	Web Mining 1	Main152	152	<b>Tackling Data Sparseness in Recommendation using Social Media based Topic Hierarchy Modeling</b>	Xingwei Zhu, Zhao-Yan Ming, Yu Hao, Xiaoyan Zhu	long	52
7/28/2015	15:10	16:30	Main10	LB3	Web Mining 1	Main1446	1446	<b>Catch the Black Sheep: Unified Shilling Attack Detection based on Fraudulent Action Propagation</b>	Yongfeng Zhang, Yunzhi Tan, Min Zhang, Yiqun Liu, Shaoping Ma	long	53
7/28/2015	15:10	16:30	Main10	LB3	Web Mining 1	Main17	17	<b>Detecting Promotion Campaigns in Community Question Answering</b>	Xin Li, Yiqun Liu, Min Zhang, Shaoping Ma, Xuan Zhu, Jiashen Sun	long	54
7/28/2015	15:10	16:30	Main10	LB3	Web Mining 1	Main1504	1504	<b>Learning Geographical Hierarchy Feature for Image Location Prediction</b>	Zhang Xiaoming, Xia Hu	long	55
7/28/2015	15:10	16:30	KR3	LP	KR Track: DL and Ontologies 2	KR40	40	<b>The Complexity of Subsumption in Fuzzy EL</b>	Stefan Borgwardt, Marco Cerami, Rafael Penaloza	short	62
7/28/2015	15:10	16:30	KR3	LP	KR Track: DL and Ontologies 2	KR123	123	<b>Efficient Paraconsistent Reasoning with Ontologies and Rules</b>	Tobias Kaminski, Matthias Knorr, Joao Leite	short	64
7/28/2015	15:10	16:30	KR3	LP	KR Track: DL and Ontologies 2	KR133	133	<b>First-Order Rewritability of Ontology-Mediated Temporal Queries</b>	Alessandro Artale, Roman Kontchakov, Alisa Kovtunova, Vladislav Ryzhikov, Frank Wolter, Michael Zakharyashev	long	66
7/28/2015	15:10	16:30	KR3	LP	KR Track: DL and Ontologies 2	KR260	260	<b>Verification of Generalized Inconsistency-Aware Knowledge and Action Bases</b>	Diego Calvanese, Marco Montali, Ario Santoso	long	68
7/28/2015	15:10	16:30	Main11	R1	Natural Language Processing 2	Main823	823	<b>Iterative Learning of Parallel Lexicons and Phrases from Non-Parallel Corpora</b>	Meiping Dong, Yang Liu, Maosong Sun	long	19
7/28/2015	15:10	16:30	Main11	R1	Natural Language Processing 2	Main874	874	<b>Learning Context-Sensitive Word Embeddings with Neural Tensor Skip-Gram Model</b>	PengFei Liu, Xipeng Qiu, Xuanjing Huang	long	20
7/28/2015	15:10	16:30	Main11	R1	Natural Language Processing 2	Main252	252	<b>Representation Learning for Measuring Entity Relatedness with Rich Information</b>	Yu Zhao, Zhiyuan Liu, Maosong Sun	short	21
7/28/2015	15:10	16:30	Main11	R1	Natural Language Processing 2	Main982	982	<b>Local Translation Prediction with Global Sentence Representation</b>	Jiajun Zhang	long	22
7/28/2015	15:10	16:30	Main11	R1	Natural Language Processing 2	Main164	164	<b>Joint Learning of Character and Word Embeddings</b>	Lei Xu, Xinxiong Chen, Zhiyuan Liu, Maosong Sun, Huanbo Luan	short	23
7/28/2015	15:10	16:30	ML3	R2	ML Track: Transfer Learning and Multi-task Learning	ML78	78	<b>Multi-Task Model and Feature Joint Learning</b>	Ya Li, Xinmei Tian, Tongliang Liu, Dacheng Tao	long	9
7/28/2015	15:10	16:30	ML3	R2	ML Track: Transfer Learning and Multi-task Learning	ML106	106	<b>Deep Low-Rank Coding for Transfer Learning</b>	Zhengming Ding, Ming Shao, Yun Fu	long	10
7/28/2015	15:10	16:30	ML3	R2	ML Track: Transfer Learning and Multi-task Learning	ML142	142	<b>Multi-task Multi-view Clustering for Non-negative Data</b>	Xianchao Zhang, Xiaotong Zhang, Han Liu	short	11
7/28/2015	15:10	16:30	ML3	R2	ML Track: Transfer Learning and Multi-task Learning	ML174	174	<b>Portable Option Discovery for Automated Learning Transfer in Object-Oriented Markov Decision Processes</b>	Nicholay Topin, Nicholas Halmeyer, Shawn Squire, John Winder, Marie desJardins, James MacGlashan	short	12
7/28/2015	15:10	16:30	ML3	R2	ML Track: Transfer Learning and Multi-task Learning	ML340	340	<b>Multi-task Multi-dimensional Hawkes Processes for Modeling Event Sequences</b>	Dixin Luo, Hongteng Xu, Yi Zhen, Xia Ning, Hongyuan Zha	short	13

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7/28/2015	15:10	16:30	ML3	R2	ML Track: Transfer Learning and Multi-task Learning	ML350	350	<b>Multitask Coactive Learning</b>	<i>Robby Goetschalckx, Alan Fern, Prasad Tadepalli</i>	short	14
7/28/2015	15:10	16:30	ML4	R3	ML Track: Matrix Completion	ML230	230	<b>Word Embedding Revisited: A New Representation Learning and Explicit Matrix Factorization Perspective</b>	<i>Yitan Li, Linli Xu, Fei Tian, Liang Jiang</i>	long	1
7/28/2015	15:10	16:30	ML4	R3	ML Track: Matrix Completion	ML311	311	<b>Matrix Factorization with Scale-Invariant Parameters</b>	<i>Guangxiang Zeng, Hengshu Zhu, Qi Liu, Ping Luo, Enhong Chen, Tong Zhang</i>	long	2
7/28/2015	15:10	16:30	ML4	R3	ML Track: Matrix Completion	ML414	414	<b>Accelerated Inexact Soft-Impute for Fast Large-Scale Matrix Completion</b>	<i>Quanming Yao, James Kwok</i>	long	3
7/28/2015	15:10	16:30	ML4	R3	ML Track: Matrix Completion	ML473	473	<b>Scalable Probabilistic Tensor Factorization for Binary and Count Data</b>	<i>Piyush Rai, Changwei Hu, Lawrence Carin</i>	long	4
7/28/2015	16:30	17:00	Poster3		Coffee and Poster 3						
7/28/2015	17:00	18:00	Main71	GH	Model Verification/Model Checking	Main1297	1297	<b>The Complexity of Model Checking Succinct Multiagent Systems</b>	<i>Xiaowei Huang</i>	Long	89
7/28/2015	17:00	18:00	Main71	GH	Model Verification/Model Checking	Main218	218	<b>Pushdown Multi-Agent System Verification</b>	<i>Aniello Murano, Giuseppe Perelli</i>	Short	90
7/28/2015	17:00	18:00	Main71	GH	Model Verification/Model Checking	Main688	688	<b>Verifying Emergent Properties of Swarms</b>	<i>Alessio Lomuscio, Panagiotis Kouvaros</i>	Short	91
7/28/2015	17:00	18:00	Main71	GH	Model Verification/Model Checking	Main672	672	<b>Symbolic model-checking for single resource RB+-ATL</b>	<i>Natasha Alechina, Brian Logan, Hoang Nga Nguyen, Franco Raimondi</i>	Short	92
7/28/2015	17:00	18:00	Main73	LB1	Constraints, Satisfiability, and Search 1	Main1078	1078	<b>Multi-Armed Bandits for Adaptive Constraint Propagation</b>	<i>Amine Balafrej, Anastasia Paparrizou, Christian Bessiere</i>	Short	41
7/28/2015	17:00	18:00	Main73	LB1	Constraints, Satisfiability, and Search 1	Main608	608	<b>Efficient Algorithms with Performance Guarantees for the Stochastic Multiple-Choice Knapsack Problem</b>	<i>Long Tran-Thanh, Yingce Xia, Tao Qin, Nick Jennings</i>	long	42
7/28/2015	17:00	18:00	Main73	LB1	Constraints, Satisfiability, and Search 1	Main1383	1383	<b>Personalized Mathematical Word Problem Generation</b>	<i>Oleksandr Polozov, Eleanor O'Rourke, Adam M. Smith, Luke Zettlemoyer, Sumit Gulwani, Zoran Popovi</i>	long	43
7/28/2015	17:00	18:00	Main13	LB2	Social Networks 1	Main1317	1317	<b>Optimal Route Search with the Coverage of Users' Preferences</b>	<i>Xuefeng Chen, Yifeng Zeng, Xin Cao, Shengchao Qin, Marc Cavazza, Yanping Xiang</i>	long	48
7/28/2015	17:00	18:00	Main13	LB2	Social Networks 1	Main377	377	<b>How Robust is the Wisdom of the Crowds?</b>	<i>Noga Alon, Michal Feldman, Omer Lev, Mashe Tennenholtz</i>	long	49
7/28/2015	17:00	18:00	Main13	LB2	Social Networks 1	Main834	834	<b>Uncovering the Formation of Triadic Closure in Social Networks</b>	<i>Zhanpeng Fang, Jie Tang</i>	short	50
7/28/2015	17:00	18:00	Main13	LB2	Social Networks 1	Main234	234	<b>Integrated Anchor and Social Link Predictions across Social Networks</b>	<i>Jiawei Zhang, Philip Yu</i>	short	51
7/28/2015	17:00	18:00	Main14	LB3	Vision and Perception 1	Main796	796	<b>Face clustering in videos with proportion prior</b>	<i>Zhiqiang Tang, Yifan Zhang, lu Han Qing</i>	long	56

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7/28/2015	17:00	18:00	Main14	LB3	Vision and Perception 1	Main1491	1491	<b>Generalized Transitive Distance with Minimum Spanning Random Forest</b>	Zhiding Yu, Weiyang Liu, Wenbo Liu, Xi Peng, Zhuo Hui, Vijayakumar Bhagavatula	long	57
7/28/2015	17:00	18:00	Main14	LB3	Vision and Perception 1	Main693	693	<b>Saliency Detection with a Deeper Investigation of Light Field</b>	Jun Zhang, Meng Wang, Jun Gao, Yi Wang, Xudong Zhang, Xindong Wu	long	58
7/28/2015	17:00	18:00	KR4	LP	KR Track: DL and Ontologies 3	KR41	41	<b>Temporal Query Answering in the Description Logic EL</b>	Stefan Borgwardt, Veronika Thost	long	70
7/28/2015	17:00	18:00	KR4	LP	KR Track: DL and Ontologies 3	KR42	42	<b>Beyond SPARQL under OWL 2 QL Entailment Regime: Rules to the Rescue</b>	Georg Gottlob, Andreas Pieris	short	72
7/28/2015	17:00	18:00	KR4	LP	KR Track: DL and Ontologies 3	KR82	82	<b>Controlled Query Evaluation for Datalog and OWL 2 Profile Ontologies</b>	Bernardo C Cuenca Grau, Evgeny Kharlamov, Egor V. Kostylev, Dmitriy Zheleznyakov	long	74
7/28/2015	17:00	18:00	KR4	LP	KR Track: DL and Ontologies 3	KR101	101	<b>Combining Existential Rules and Description Logics</b>	Antoine Amarilli, Michael Benedikt	short	76
7/28/2015	17:00	18:00	Main15	R1	Auctions And Market-Based Systems	Main779	779	<b>Mechanism Design and Search Algorithm for Lung Exchange</b>	Suiqian Luo, Pingzhong Tang	long	24
7/28/2015	17:00	18:00	Main15	R1	Auctions And Market-Based Systems	Main876	876	<b>Selling Reserved Instances in Cloud Computing</b>	Changjun Wang, Weidong Ma, Tao Qin, Xujin Chen, Xiaodong Hu, Tiejian Liu	long	25
7/28/2015	17:00	18:00	Main15	R1	Auctions And Market-Based Systems	Main1252	1252	<b>Maximal Cooperation in Repeated Games on Social Networks</b>	Catherine Moon, Vincent Conitzer	long	26
7/28/2015	17:00	18:00	ML5	R2	ML Track: High-Dimensional Data 1	ML186	186	<b>Compressed Spectral Regression for Efficient Nonlinear Dimensionality Reduction</b>	Deng Cai	short	15
7/28/2015	17:00	18:00	ML5	R2	ML Track: High-Dimensional Data 1	ML214	214	<b>Semi-Orthogonal Multilinear PCA with Relaxed Start</b>	Qiquan Shi, Haiping Lu	long	16
7/28/2015	17:00	18:00	ML5	R2	ML Track: High-Dimensional Data 1	ML279	279	<b>Feature Selection from Microarray Data via an Ordered Search with Projected Margin</b>	Saulo Villela, Saul C. Leite, Raul Fonseca Neto	short	17
7/28/2015	17:00	18:00	ML5	R2	ML Track: High-Dimensional Data 1	ML475	475	<b>Discriminative Unsupervised Dimensionality Reduction</b>	Xiaoqian Wang, Feiping Nie, Heng Huang	long	18
7/28/2015	17:00	18:00	ML6	R3	ML Track: Online Learning and Sequential Data 1	ML138	138	<b>Model Metric Co-learning for Time Series Classification</b>	Huanhuan Chen, Fengzhen Tang, Peter Tino, Anthony Cohn, Xin Yao	long	5
7/28/2015	17:00	18:00	ML6	R3	ML Track: Online Learning and Sequential Data 1	ML227	227	<b>Imaging Time-Series to Improve Classification and Imputation</b>	Zhiguang Wang, Tim Oates	long	6
7/28/2015	17:00	18:00	ML6	R3	ML Track: Online Learning and Sequential Data 1	ML299	299	<b>On the Runtime of Randomized Local Search and Simple Evolutionary Algorithms for Dynamic Makespan Scheduling</b>	Frank Neumann, Carsten Witt	short	7
7/28/2015	17:00	18:00	ML6	R3	ML Track: Online Learning and Sequential Data 1	ML418	418	<b>Unsupervised Condition Monitoring Using Segmental Hidden Markov Models</b>	Chao Yuan	short	8
7/28/2015	18:00	19:00	Poster4		Poster 4						
7/29/2015	08:30	10:10	Ind1	GH	Industry Session 1	Ind1	1	<b>Alibaba Group Holding Limited</b>			91
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7/29/2015	08:30	10:10	Main16	LB1	Game Theory 4	Main35	35	<b>Possible and Necessary Allocations via Sequential Mechanisms</b>	Haris Aziz, Toby Walsh, Lirong Xia	short	42
7/29/2015	08:30	10:10	Main16	LB1	Game Theory 4	Main1320	1320	<b>Wisdom of Waze</b>	Shoshana Vasserman, Michal Feldman, Avinatan Hassidim	long	43
7/29/2015	08:30	10:10	Main16	LB1	Game Theory 4	Main1216	1216	<b>Computing Optimal Mixed Strategies for Security Games with Dynamic Payoffs</b>	Yue Yin, Haifeng Xu, Jiarui Gan, Bo An, Albert Xin Jiang	long	44
7/29/2015	08:30	10:10	Main16	LB1	Game Theory 4	Main705	705	<b>A characterization of n-player strongly monotone scheduling mechanisms</b>	Annamaria Kovacs, Angelina Vidali	short	45
7/29/2015	08:30	10:10	Main16	LB1	Game Theory 4	Main545	545	<b>Spiteful Bidding in the Dollar Auction</b>	Marcin Waniek, Agata Niescieruk, Tomasz P Michalak, Talal Rahwan	short	46
7/29/2015	08:30	10:10	Main16	LB1	Game Theory 4	Main1217	1217	<b>Strategic Network Formation through Intermediaries</b>	Elliot Anshelevich, Onkar Bhardwaj, Koushik Kar	short	47
7/29/2015	08:30	10:10	Main16	LB1	Game Theory 4	Main1201	1201	<b>Optimal Network Security Hardening Using Attack Graph Games</b>	Karel Durkota, Viliam Lisy, Branislav Bosansky, Christopher Kiekintveld	long	48
7/29/2015	08:30	10:10	Main18	LB2	Vision and Perception 2	Main313	313	<b>Trailer Generation via A Point Process-based Visual Attractiveness Model</b>	Hongteng Xu, Yi Zhen, Hongyuan Zha	short	53
7/29/2015	08:30	10:10	Main18	LB2	Vision and Perception 2	Main226	226	<b>Social Image Parsing by Cross-Modal Data Refinement</b>	Zhiwu Lu, Xin Gao, Liwei Wang, Songfang Huang	short	54
7/29/2015	08:30	10:10	Main18	LB2	Vision and Perception 2	Main145	145	<b>Cross-View Projective Dictionary Learning for Person Re-identification</b>	Sheng Li, Ming Shao, Yun Fu	short	55
7/29/2015	08:30	10:10	Main18	LB2	Vision and Perception 2	Main954	954	<b>Modeling Inter- and Intra-Part Deformations for Object Structure Parsing</b>	Cai Ling, Rongrong Ji	short	56
7/29/2015	08:30	10:10	Main18	LB2	Vision and Perception 2	Main1480	1480	<b>Adaptive Sharing for Image Classification</b>	Li Shen, Gang Sun, Zhouchen Lin, Qingming Huang, Enhua Wu	short	57
7/29/2015	08:30	10:10	Main18	LB2	Vision and Perception 2	Main13	13	<b>Salient Object Detection via Augmented Hypotheses</b>	Nguyen Tam	short	58
7/29/2015	08:30	10:10	Main18	LB2	Vision and Perception 2	Main670	670	<b>Video Covariance Matrix Logarithm for Human Action Recognition in Videos</b>	Piotr T Bilinski, Francois Bremond	short	59
7/29/2015	08:30	10:10	Main18	LB2	Vision and Perception 2	Main268	268	<b>Inferring Painting Style with Multi-task Dictionary Learning</b>	Gaowen Liu, Yan Yan, Elisa Ricci, Yi Yang, Yahong Han, Nicu Sebe	short	60
7/29/2015	08:30	10:10	Main18	LB2	Vision and Perception 2	Main139	139	<b>Semantic Single Video Segmentation with Robust Graph Representation</b>	Handong Zhao, Yun Fu	short	61
7/29/2015	08:30	10:10	Main18	LB2	Vision and Perception 2	Main995	995	<b>Efficient and Accurate Set Based Registration of Aerial Images</b>	Arandjelovic Ognjen	short	62
7/29/2015	08:30	10:10	AIA2	LB3	AI&Arts: Music, Dance, Language, Visual Arts	AIA10	10	<b>Stroke-Based Stylization Learning and Rendering with Inverse Reinforcement Learning</b>	Ning Xie, Tingting Zhao, Feng Tian, Xiaohua Zhang, Masashi Sugiyama	long	71
7/29/2015	08:30	10:10	AIA2	LB3	AI&Arts: Music, Dance, Language, Visual Arts	AIA28	28	<b>Heroic vs Collaborative AI for the Arts</b>	Jon McCormack, Mark d'Inverno	long	72
7/29/2015	08:30	10:10	AIA2	LB3	AI&Arts: Music, Dance, Language, Visual Arts	AIA33	33	<b>Kinetic imaginations: Exploring the possibilities of combining AI and dance</b>	Alexander Berman, Valencia James	long	73



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7/29/2015	08:30	10:10	AIA2	LB3	AI&Arts: Music, Dance, Language, Visual Arts	AIA36	36	<b>Pseudo-supervised training improves unsupervised melody segmentation</b>	<i>Stefan Lattner, Maarten Grachten, Carlos E. Cancino Chacon</i>	long	74
7/29/2015	08:30	10:10	AIA2	LB3	AI&Arts: Music, Dance, Language, Visual Arts	AIA52	52	<b>Learning to Rap Battle with Bilingual Recursive Neural Networks</b>	<i>Dekai Wu, Karteek Addanki</i>	long	75
7/29/2015	08:30	10:10	KR5	LP	KR Track: Uncertainty reasoning	KR19	19	<b>A Logic for Reasoning about Justified Uncertain Beliefs</b>	<i>Tuan-Fang Fan, Churn-Jung Liau</i>	short	83
7/29/2015	08:30	10:10	KR5	LP	KR Track: Uncertainty reasoning	KR32	32	<b>Probabilistic Reasoning with Inconsistent Beliefs using Inconsistency Measures</b>	<i>Nico Potyka, Matthias Thimm</i>	short	84
7/29/2015	08:30	10:10	KR5	LP	KR Track: Uncertainty reasoning	KR136	136	<b>The cube of opposition - A structure underlying many knowledge representation formalisms</b>	<i>Didier Dubois, Henri Prade, Agn�cs Rico</i>	short	85
7/29/2015	08:30	10:10	KR5	LP	KR Track: Uncertainty reasoning	KR166	166	<b>Probabilistic belief contraction using argumentation</b>	<i>Kinzang Chhogyal, Abhaya Nayak, Zhiqiang Zhuang, Abdul Sattar</i>	short	86
7/29/2015	08:30	10:10	KR5	LP	KR Track: Uncertainty reasoning	KR189	189	<b>Probabilistic Inference in Hybrid Domains by Weighted Model Integration</b>	<i>Vaishak Belle, Andrea Passerini, Guy Van den Broeck</i>	long	87
7/29/2015	08:30	10:10	KR5	LP	KR Track: Uncertainty reasoning	KR261	261	<b>Tractable Learning for Structured Probability Spaces: A Case Study in Learning Preference Distributions</b>	<i>Arthur Choi, Guy Van den Broeck, Adnan Darwiche</i>	short	88
7/29/2015	08:30	10:10	KR5	LP	KR Track: Uncertainty reasoning	KR320	320	<b>Compatible-based conditioning in interval-based possibilistic logic</b>	<i>Salem Benferhat, Amelie Levray, Karim Tabia, Vladik Kreinovich</i>	short	89
7/29/2015	08:30	10:10	KR5	LP	KR Track: Uncertainty reasoning	KR702	702	<b>The Logic of Qualitative Probability</b>	<i>James Delgrande, Bryan Renne</i>	long	90
7/29/2015	08:30	10:10	ML7	R1	ML Track: Reinforcement Learning 1	ML354	354	<b>Robust Learning for Repeated Stochastic Games via Meta-Gaming</b>	<i>Jacob Crandall</i>	short	28
7/29/2015	08:30	10:10	ML7	R1	ML Track: Reinforcement Learning 1	ML327	327	<b>Autonomous Cross-Domain Knowledge Transfer in Lifelong Policy Gradient Reinforcement Learning</b>	<i>Haitham Bou Ammar, Eric Eaton, Jose Marcio Luna, Paul Ruvolo</i>	long	29
7/29/2015	08:30	10:10	ML7	R1	ML Track: Reinforcement Learning 1	ML511	511	<b>Symbol Acquisition for Probabilistic High-Level Planning</b>	<i>George Konidaris, Leslie Kaelbling, Tomas Lozano-Perez</i>	long	30
7/29/2015	08:30	10:10	ML7	R1	ML Track: Reinforcement Learning 1	ML604	604	<b>Between Imitation and Intention Learning</b>	<i>James MacGlashan, Michael L. Littman</i>	short	31
7/29/2015	08:30	10:10	ML7	R1	ML Track: Reinforcement Learning 1	ML623	623	<b>Policy Shaping With Human Teachers</b>	<i>Thomas Cederborg, Ishaan Grover, Charles L. Isbell Jr., Andrea Thomaz</i>	short	32
7/29/2015	08:30	10:10	ML7	R1	ML Track: Reinforcement Learning 1	ML641	641	<b>Active Imitation Learning of Hierarchical Policies</b>	<i>Mandana Hamidi, Prasad Tadepalli, Robby Goetschalckx, Alan Fern</i>	short	33
7/29/2015	08:30	10:10	ML7	R1	ML Track: Reinforcement Learning 1	ML668	668	<b>Inverse Reinforcement Learning in Relational Domains</b>	<i>Thibaut Munzer, Bilal Piot, Matthieu Geist, Olivier Pietquin, Manuel Lopes</i>	long	34
7/29/2015	08:30	10:10	ML8	R2	ML Track: Multi-label Learning	ML139	139	<b>Using A* for Inference in Probabilistic Classifier Chains</b>	<i>Deiner Mena, Elena Montanes, Jose R. Quevedo, Juan J. del Coz</i>	long	13
7/29/2015	08:30	10:10	ML8	R2	ML Track: Multi-label Learning	ML211	211	<b>Crowdsourced Semantic Matching of Multi-Label Annotations</b>	<i>Lei Duan, Satoshi Oyama, Masahito Kurihara, Haruhiko Sato</i>	short	14

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7/29/2015	08:30	10:10	ML8	R2	ML Track: Multi-label Learning	ML263	263	<b>Muti-label structure learning with Ising model selection</b>	Andre R. Goncalves, Fernando J. Von Zuben, Arindam Banerjee	short	15
7/29/2015	08:30	10:10	ML8	R2	ML Track: Multi-label Learning	ML306	306	<b>Towards Class-Imbalance Aware Multi-Label Learning</b>	Min-Ling Zhang, Yu-Kun Li, Xu-Ying Liu	long	16
7/29/2015	08:30	10:10	ML8	R2	ML Track: Multi-label Learning	ML427	427	<b>Polytree-Augmented Classifier Chains for Multi-Label Classification</b>	Lu Sun, Mineichi Kudo	long	17
7/29/2015	08:30	10:10	ML8	R2	ML Track: Multi-label Learning	ML458	458	<b>Semi-supervised Multi-label Learning with Incomplete Labels</b>	Feipeng Zhao, Yuhong Guo	short	18
7/29/2015	08:30	10:10	ML8	R2	ML Track: Multi-label Learning	ML478	478	<b>Multi-label Classification with Feature-aware Non-linear Label Space Transformation</b>	Xin Li, Yuhong Guo)	short	19
7/29/2015	08:30	10:10	Jnl2	R3	Journal Track: Reasoning, Learning & Social Media	Journal1	1	<b>Complexity-Sensitive Decision Procedures for Abstract Argumentation (Extended Abstract)</b>	Wolfgang Dvořak, Matti Jarvisalo, Johannes Peter Wallner, Stefan Woltran	long	1
7/29/2015	08:30	10:10	Jnl2	R3	Journal Track: Reasoning, Learning & Social Media	Journal2	2	<b>Common Sense Reasoning for Detection, Prevention, and Mitigation of Cyberbullying (Extended Abstract)</b>	Karthik Dinakar, Rosalind Picard, Henry Lieberman	long	2
7/29/2015	08:30	10:10	Jnl2	R3	Journal Track: Reasoning, Learning & Social Media	Journal3	3	<b>Inapproximability of Treewidth and Related Problems (Extended Abstract)</b>	Yu Wu, Per Austrin, Toniann Pitassi, David Liu	long	3
7/29/2015	08:30	10:10	Jnl2	R3	Journal Track: Reasoning, Learning & Social Media	Journal4	4	<b>Influencing Individually: Fusing Personalization and Persuasion Extended Abstract</b>	Shlomo Berkovsky, Jill Freyne, Harri Oinas-Kukkonen	long	4
7/29/2015	08:30	10:10	Jnl2	R3	Journal Track: Reasoning, Learning & Social Media	Journal10	10	<b>The Arcade Learning Environment: An Evaluation Platform for General Agents (Extended Abstract)</b>	Marc G. Bellemare, Yavar Naddaf, Joel Veness, Michael Bowling	long	5
7/29/2015	08:30	10:10	Jnl2	R3	Journal Track: Reasoning, Learning & Social Media	Journal6	6	<b>Using Social Media to Enhance Emergency Situation Awareness: Extended Abstract</b>	Jie Yin, Harri Oinas-Kukkonen, Andrew Lampert, Mark Cameron, Bella Robinson, Robert Power	long	6
7/29/2015	10:10	10:40	Poster5		Coffee and Poster 5						
7/29/2015	10:40	12:10	Ind2	GH	Industry Session 2	Ind3	3	<b>Tencent Holdings Limited</b>			99
7/29/2015	10:40	12:10	Ind2	GH	Industry Session 2	Ind4	4	<b>Facebook Incorporation</b>			100
7/29/2015	10:40	12:10	Sist2	LB1	Sister Track: Planning and Search	Sist2	2	<b>Speedy versus Greedy Search (from SoCS'14)</b>	Christopher Wilt and Wheeler Ruml	long	49
7/29/2015	10:40	12:10	Sist2	LB1	Sister Track: Planning and Search	Sist7	7	<b>Max is More than Min: Solving Maximization Problems with Heuristic Search (from SoCS'14)</b>	Roni Stern, Scott Kiesel, Rami Puzis, Ariel Felner and Wheeler Ruml	long	50
7/29/2015	10:40	12:10	Sist2	LB1	Sister Track: Planning and Search	Sist9	9	<b>Exploiting Separability in Multiagent Planning with Continuous-State MDPs (from AAMAS'14)</b>	Jilles Dibangoye, Christopher Amato, Olivier Buffet and François Charpillet	long	51
7/29/2015	10:40	12:10	Sist2	LB1	Sister Track: Planning and Search	Sist16	16	<b>LP-based Heuristics for Cost-optimal Planning (from ICAPS'14)</b>	Florian Pommerening, Gabriele Roeger, Malte Helmert and Blai Bonet	long	52
7/29/2015	10:40	12:10	Main19	LB2	Game Theory 5	Main214	214	<b>Equilibrium Refinement through Negotiation in Binary Voting</b>	Umberto Grandi, Davide Grossi, Paolo Turrini	short	63
7/29/2015	10:40	12:10	Main19	LB2	Game Theory 5	Main387	387	<b>Welfare Maximization in Fractional Hedonic Games</b>	Haris Aziz, Serge Gaspers, Joachim Gudmundsson, Julian Mestre, Hanjo Taubig	short	64

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7/29/2015	10:40	12:10	Main19	LB2	Game Theory 5	Main1009	1009	<b>A Bargaining Mechanism for One-Way Games</b>	Andres Abeliuk, Gerardo Berbeglia, Pascal Van Hentenryck	long	65
7/29/2015	10:40	12:10	Main19	LB2	Game Theory 5	Main740	740	<b>Convergence to Equilibria in Strategic Candidacy</b>	Maria Polukarov, Svetlana Obraztsova, Zinovi Rabinovich, Alexander Kruglui, Nick Jennings	short	66
7/29/2015	10:40	12:10	Main19	LB2	Game Theory 5	Main713	713	<b>A Dictatorship Theorem for Cake Cutting</b>	Simina Branzei, Peter Bro B. Miltersen	short	67
7/29/2015	10:40	12:10	Main19	LB2	Game Theory 5	Main1068	1068	<b>A Pseudo-Polynomial Algorithm for Computing Power Indices in Graph-Restricted Weighted Voting Games</b>	Oskar Skibski, Tomasz P. Michalak, Yuko Sakurai, Makoto Yokoo	short	68
7/29/2015	10:40	12:10	Main19	LB2	Game Theory 5	Main737	737	<b>Strategic Candidacy Games with Lazy Candidates</b>	Edith Elkind, Svetlana Obraztsova, Maria Polukarov, Zinovi Rabinovich	short	69
7/29/2015	10:40	12:10	Main19	LB2	Game Theory 5	Main709	709	<b>The Game-Theoretic Interaction Index on Social Networks With Applications to Link Prediction and Community Detection</b>	Piotr Szczepa,ski, Tomasz P. Michalak, Talal Rahwan, Aleksy Barcz	short	70
7/29/2015	10:40	12:10	Main20	LB3	Natural Language Processing 3	Main1018	1018	<b>Do we criticise (and laugh) in the same way? Multi-lingual automatic detection of satirical news in Twitter</b>	Francesco Barbieri, Horacio Saggion, Francesco Ronzano	short	76
7/29/2015	10:40	12:10	Main20	LB3	Natural Language Processing 3	Main324	324	<b>Reader-Aware Multi-Document Summarization via Sparse Coding</b>	Piji Li, Lidong Bing, Wai Lam, Hang Li	long	77
7/29/2015	10:40	12:10	Main20	LB3	Natural Language Processing 3	Main1083	1083	<b>Towards Addressing the Winograd Schema Challenge - Building and Using Needed Tools</b>	Arpit Sharma, Somak Aditya, Nguyen H. Vo, Chitta Baral	short	78
7/29/2015	10:40	12:10	Main20	LB3	Natural Language Processing 3	Main20	20	<b>User Modeling with Neural Network for Review Rating Prediction</b>	Duyu Tang, Bing Qin, Ting Liu	short	79
7/29/2015	10:40	12:10	Main20	LB3	Natural Language Processing 3	Main210	210	<b>A Hybrid Neural Model for Type Classification of Entity Mentions</b>	Li Dong, Furu Wei, Hong Sun, Ming Zhou, Ke Xu	short	80
7/29/2015	10:40	12:10	Main20	LB3	Natural Language Processing 3	Main335	335	<b>Learning Term Embeddings for Hypernymy Identification</b>	Zheng Yu, Haixun Wang, Xuemin Lin	short	81
7/29/2015	10:40	12:10	Main20	LB3	Natural Language Processing 3	Main238	238	<b>Syntax-based deep matching of short texts</b>	Wang Mingxuan, Lu Zhengdong, Li Hang, Qun Liu	long	82
7/29/2015	10:40	12:10	KR8	LP	KR Track: Conceptualization and causality	KR29	29	<b>Efficiently Finding Conditional Instruments for Causal Inference</b>	Benito van der Zander, Johannes Textor, Maciej Liskiewicz	long	93
7/29/2015	10:40	12:10	KR8	LP	KR Track: Conceptualization and causality	KR219	219	<b>Query Understanding through Knowledge-Based Conceptualization</b>	Zhongyuan Wang, Kejun Zhao, Haixun Wang, Xiaofeng Meng, Ji-Rong Wen	long	94
7/29/2015	10:40	12:10	KR8	LP	KR Track: Conceptualization and causality	KR232	232	<b>Membership Constraints in Formal Concept Analysis</b>	Sebastian Rudolph, Christian Sacarea, Diana Troanca	long	95
7/29/2015	10:40	12:10	KR8	LP	KR Track: Conceptualization and causality	KR325	325	<b>A Modification of the Halpern-Pearl Definition of Causality</b>	Joseph Halpern	short	96
7/29/2015	10:40	12:10	KR8	LP	KR Track: Conceptualization and causality	KR1550	1550	<b>Characterizing Causal Action Theories and Their Implementations in Answer Set Programming: Action Languages B, C and Beyond</b>	Haodi Zhang, Fangzhen Lin	long	97

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7/29/2015	10:40	12:10	ML9	R1	ML Track: Partial Label Learning	ML82	82	<b>Weakly Supervised Matrix Factorization for Noisily Tagged Image Parsing</b>	<i>Yulei Niu, Zhiwu Lu, Ji-Rong Wen</i>	short	35
7/29/2015	10:40	12:10	ML9	R1	ML Track: Partial Label Learning	ML111	111	<b>A Direct Boosting Approach for Semi-supervised Classification</b>	<i>Shaodan Zhai, Tian Xia, Zhongliang Li, Shaojun Wang</i>	short	36
7/29/2015	10:40	12:10	ML9	R1	ML Track: Partial Label Learning	ML305	305	<b>Solving the Partial Label Learning Problem: An Instance-based Approach</b>	<i>Min-Ling Zhang, Fei Yu</i>	long	37
7/29/2015	10:40	12:10	ML9	R1	ML Track: Partial Label Learning	ML390	390	<b>Maximum Entropy Semi-Supervised Inverse Reinforcement Learning</b>	<i>Julien Audiffren, Michal Valko, Alessandro Lazaric, Mohammad Ghavamzadeh</i>	short	38
7/29/2015	10:40	12:10	ML9	R1	ML Track: Partial Label Learning	ML431	431	<b>Pre-release Prediction of Crowd Opinion on Movies</b>	<i>Xin Geng, Peng Hou</i>	long	39
7/29/2015	10:40	12:10	ML9	R1	ML Track: Partial Label Learning	ML580	580	<b>Constrained Information-Theoretic Tripartite Graph Clustering to Identify Semantically Similar Relations</b>	<i>Chenguang Wang, Yangqiu Song, Dan Roth, Chi Wang, Jiawei Han, Heng Ji, Ming Zhang</i>	short	40
7/29/2015	10:40	12:10	ML9	R1	ML Track: Partial Label Learning	ML660	660	<b>Extended Discriminative Random Walk: A Hypergraph Approach to Multi-View Multi-Relational Transductive Learning</b>	<i>Sai Nageswar Satchidanand, Harini Ananthapadmanaban, Balaraman Ravindran</i>	short	41
7/29/2015	10:40	12:10	Main36	R2	Multidisciplinary Topics and Applications	Main1417	1417	<b>The Right to Obscure: a Mechanism and Initial Evaluation</b>	<i>Eric Huang, Jaron Lanier, Yoav Shoham</i>	short	20
7/29/2015	10:40	12:10	Main36	R2	Multidisciplinary Topics and Applications	Main1362	1362	<b>Automated Geometry Theorem Proving for Human-Readable Proofs</b>	<i>Ke Wang, Zhendong Su</i>	short	21
7/29/2015	10:40	12:10	Main36	R2	Multidisciplinary Topics and Applications	Main472	472	<b>Combining Eye Movements and EEG to Enhance Emotion Recognition</b>	<i>Yifei Lu, Wei-Long Zheng, Bin-Bin Li, Bao-Liang Lu</i>	short	22
7/29/2015	10:40	12:10	Main36	R2	Multidisciplinary Topics and Applications	Main133	133	<b>Offline Sketch Parsing via Shapeness Estimation</b>	<i>Wu Jie, Changhu Wang, Liqing Zhang, Yong Rui</i>	short	23
7/29/2015	10:40	12:10	Main36	R2	Multidisciplinary Topics and Applications	Main1404	1404	<b>A New Input Method for Human Translators: Integrating Machine Translation Effectively and Imperceptibly</b>	<i>Guoping Huang, Jiajun Zhang, Yu Zhou, Chengqing Zong</i>	short	24
7/29/2015	10:40	12:10	Main36	R2	Multidisciplinary Topics and Applications	Main649	649	<b>A Study of Human-Agent collaboration for Multi-UAV Coordination in Dynamic Environments</b>	<i>Sarvapali D Ramchurn, Joel E. Fischer, Yuki Ikuno, Feng Wu, Jack Flann, Antony Waldoock</i>	short	25
7/29/2015	10:40	12:10	Main36	R2	Multidisciplinary Topics and Applications	Main442	442	<b>Handling Complex Commands for Service Robot Task Requests</b>	<i>Perera Vittorio, Manuela Veloso</i>	long	26
7/29/2015	10:40	12:10	Main36	R2	Multidisciplinary Topics and Applications	Main1123	1123	<b>Algorithmic exam generation</b>	<i>Omer Geiger, Shaul Markovitch</i>	short	27
7/29/2015	10:40	12:10	CS4	R3	CS Track: Reasoning, Planning and Learning	CS8	8	<b><math>\alpha</math>-min: a compact approximate solver for finite-horizon POMDPs</b>	<i>Yann Dujardin, Thomas Dietterich, Iadine Chades</i>	long	7
7/29/2015	10:40	12:10	CS4	R3	CS Track: Reasoning, Planning and Learning	CS15	15	<b>Online Mechanisms for Charging Electric Vehicles in Settings with Varying Marginal Electricity Costs</b>	<i>Keiichiro Hayakawa, Enrico H. Gerding, Sebastian Stein, Takahiro Shiga</i>	long	8
7/29/2015	10:40	12:10	CS4	R3	CS Track: Reasoning, Planning and Learning	CS34	34	<b>Multiple Instance Learning-based Birdsong Classification using Unsupervised Recording Segmentation</b>	<i>Jose F. Ruiz-Munoz, Mauricio Orozco-Alzate, G. Castellanos-Dominguez</i>	short	9

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7/29/2015	10:40	12:10	CS4	R3	CS Track: Reasoning, Planning and Learning	CS40	40	<b>Optimal Electric Vehicle Charging Station Placement</b>	Yanhai Xiong, Jiarui Gan, Bo An, Chunyan Miao, Ana L. C. Bazzan	short	10
7/29/2015	10:40	12:10	CS4	R3	CS Track: Reasoning, Planning and Learning	CS44	44	<b>Reasoning about Connectivity Constraints</b>	Christian Bessiere, Emmanuel Hebrard, George Katsirelos, Walsh Toby	long	11
7/29/2015	10:40	12:10	CS4	R3	CS Track: Reasoning, Planning and Learning	CS56	56	<b>Secure Routing in Wireless Sensor Networks via POMDPs</b>	Athirai A. Irissappane, Jie Zhang, Frans Oliehoek, Partha S. Dutta	short	12
7/29/2015	12:10	12:30	Poster6		Poster 6						
7/29/2015	12:30	14:00	Lunch2		Lunch						
7/29/2015	14:00	15:00	Invited3	LB	Invited Talk 3: Pete Wurman	Invited3	3	<b>AI and Robotics: Tales from Kiva Systems</b>	Pete Wurman		
7/29/2015	14:00	15:00	Invited4	R	Invited Talk 4: Evgeniy Gabrilovich	Invited4	4	<b>In Knowledge We Trust</b>	Evgeniy Gabrilovich		
7/29/2015	15:00	15:10	Transition3		Transition						
7/29/2015	15:10	16:30	Ind3	GH	Industry Session 3	Ind5	5	<b>Baidu Incorporation</b>			81
7/29/2015	15:10	16:30	Ind3	GH	Industry Session 3	Ind6	6	<b>Google Incorporation</b>			83
7/29/2015	15:10	16:30	Main23	LB1	Game Theory 6	Main936	936	<b>Envy-free Sponsored Search Auctions with Budgets</b>	Bo Tang, Jinshan Zhang	short	37
7/29/2015	15:10	16:30	Main23	LB1	Game Theory 6	Main1246	1246	<b>Smooth UCT Search in Computer Poker</b>	Johannes Heinrich, David Silver	long	38
7/29/2015	15:10	16:30	Main23	LB1	Game Theory 6	Main1174	1174	<b>Limited Lookahead in Incomplete-Information Games</b>	Christian Kroer, Tuomas Sandholm	short	39
7/29/2015	15:10	16:30	Main23	LB1	Game Theory 6	Main1115	1115	<b>Structural Tractability of Shapley and Banzhaf Values in Allocation Games</b>	Gianluigi Greco, Francesco Lupia, Francesco Scarcello	long	40
7/29/2015	15:10	16:30	Main23	LB1	Game Theory 6	Main853	853	<b>Incentivizing Peer Grading in MOOCs: An Audit Game Approach</b>	Alejandro Carbonara, Anupam Datta, Arunesh Sinha, Yair Zick	short	41
7/29/2015	15:10	16:30	Main23	LB1	Game Theory 6	Main786	786	<b>SAT is an Effective and Complete Method for Solving Stable Matching Problems with Couples</b>	Joanna Drummond, Perrault Andrew, Fahiem Bacchus	short	42
7/29/2015	15:10	16:30	Panel1	LB2	Panel: Who Speaks for AI?	Panel1			Michael Woodridge		
7/29/2015	15:10	16:30	Main24	LB3	Planning 2	Main320	320	<b>Classical Planning with Simulations: Results on the Atari Video Games</b>	Nir Lipovetzky, Miquel Ramirez, Hector Geffner	long	50
7/29/2015	15:10	16:30	Main24	LB3	Planning 2	Main1098	1098	<b>Models of Action Concurrency in Temporal Planning</b>	Jussi Rintanen)	short	51
7/29/2015	15:10	16:30	Main24	LB3	Planning 2	Main604	604	<b>Sorting Sequential Portfolios in Automated Planning</b>	Nunez Sergio, Daniel Borrajo, Carlos Linares Lopez	short	52
7/29/2015	15:10	16:30	Main24	LB3	Planning 2	Main1367	1367	<b>Exploiting Block Deordering for Improving Planners Efficiency</b>	Lukas Chrpá, Fazlu Hasan Siddiqui	long	53
7/29/2015	15:10	16:30	Main24	LB3	Planning 2	Main969	969	<b>Delete Relaxations for Planning with State-Dependent Action Costs</b>	Florian Geißer, Thomas Keller, Robert Mattmuller	long	54
7/29/2015	15:10	16:30	KR7	LP	KR Track: Epistemic logics	KR157	157	<b>Only Knowing Meets Common Knowledge</b>	Vaishak Belle, Gerhard Lakemeyer	long	61
7/29/2015	15:10	16:30	KR7	LP	KR Track: Epistemic logics	KR183	183	<b>Epistemic equilibrium logic</b>	Luis Fariñas del Cerro,	long	63

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									Andreas Herzig, Ezgi Iraz Su		
7/29/2015	15:10	16:30	KR7	LP	KR Track: Epistemic logics	KR190	190	Verification of Knowledge-Based Programs over Description Logic Actions	Benjamin Zariwaz, Jens Clasen	long	65
7/29/2015	15:10	16:30	KR7	LP	KR Track: Epistemic logics	KR227	227	Multi-Agent Only Knowing on Planet Kripke	Guillaume Aucher, Vaishak Belle	long	67
7/29/2015	15:10	16:30	Main25	R1	Constraint Optimization	Main112	112	Finding Diverse Solutions of High Quality to Constraint Optimization Problems	Thierry Petit, Andrew C. Trapp	long	19
7/29/2015	15:10	16:30	Main25	R1	Constraint Optimization	Main1141	1141	Improving the Effectiveness of SAT-Based Preprocessing for MaxSAT	Jeremias Berg, Paul Saikko, Matti Jarvisalo	short	20
7/29/2015	15:10	16:30	Main25	R1	Constraint Optimization	Main482	482	Maximum Satisfiability using Cores and Correction Sets	Nikolaj Bjorner, Nina Narodytska	long	21
7/29/2015	15:10	16:30	Main25	R1	Constraint Optimization	Main375	375	A Multicore Tool for Constraint Solving	Amadini Roberto, Maurizio Gabbriellini, Jacopo Mauro	short	22
7/29/2015	15:10	16:30	Main26	R2	Heuristic Search 2	Main638	638	Compositional Program Synthesis from Natural Language and Examples	Mohammad Raza, Sumit Gulwani, Natasa Milic-Frayling	long	10
7/29/2015	15:10	16:30	Main26	R2	Heuristic Search 2	Main301	301	ICBS: The Improved Conflict-based Search algorithm for Multi-Agent Pathfinding	Eli Boyarski, Ariel Felner, Roni Stern, Guni Sharon, Oded Betzalel, Solomon Shimony, David Tolpin	short	11
7/29/2015	15:10	16:30	Main26	R2	Heuristic Search 2	Main1460	1460	Programming by Example for Text Normalization	Dileep Kini, Sumit Gulwani	long	12
7/29/2015	15:10	16:30	Main26	R2	Heuristic Search 2	Main81	81	A Fast Local Search for Minimum Vertex Cover in Massive Graphs	Shaowei Cai	short	13
7/29/2015	15:10	16:30	Main26	R2	Heuristic Search 2	Main1464	1464	A Fast Goal Recognition Technique based on Interaction Estimates	Yolanda Escudero Martin, Maria Dolores Rodriguez Moreno, David E. Smith	long	14
7/29/2015	15:10	16:30	ML10	R3	ML Track: Multi-view Learning	ML55	55	MUVIR: Multi-View Rare Category Detection	Zhou Dawei, Jingrui He, K. Selcuk Candan, Hasan Davulcu	long	1
7/29/2015	15:10	16:30	ML10	R3	ML Track: Multi-view Learning	ML80	80	Dual-regularized Multi-view Outlier Detection	Handong Zhao, Yun Fu	long	2
7/29/2015	15:10	16:30	ML10	R3	ML Track: Multi-view Learning	ML512	512	Multi-View Matrix Decomposition: A New Scheme for Exploring Discriminative Information	Cheng Deng, Zongting Lv, Wei Liu, Junzhou Huang, Dacheng Tao, Xinbo Gao	short	3
7/29/2015	15:10	16:30	ML10	R3	ML Track: Multi-view Learning	ML529	529	Multi-Graph-View Learning for Complicated Object Classification	Jia Wu, Shirui Pan, Xingquan Zhu, Chenqiang Zhang	short	4
7/29/2015	15:10	16:30	ML10	R3	ML Track: Multi-view Learning	ML639	639	Multi-view Self-Paced Learning for Clustering	Chang Xu, Dacheng Tao, Chao Xu	long	5
7/29/2015	16:30	17:00	Poster7		Coffee and Poster 7						
7/29/2015	17:00	18:00	Ind4	GH	Industry Session 4	Ind7	7	Huawei Technologies Company Limited			85
7/29/2015	17:00	18:00	Ind4	GH	Industry Session 4	Ind8	8	BigML Incorporation			87
7/29/2015	17:00	18:00	Main27	LB1	Multiagent Systems 2	Main1490	1490	Towards City-scale Mobile Crowdsourcing: Task Recommendations under Trajectory Uncertainties	Cen Chen, Shih-Fen Cheng, Archan Misra, Hoong Chuin Lau	long	43

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7/29/2015	17:00	18:00	Main27	LB1	Multiagent Systems 2	Main376	376	<b>A Scalable Interdependent Multi-Issue Negotiation Protocol for Energy Exchange</b>	Muddasser Alam, Enrico H. Gerding, Alex Rogers, Sarvapali D. Ramchurn	long	44
7/29/2015	17:00	18:00	Main27	LB1	Multiagent Systems 2	Main1259	1259	<b>Spectrum-based Fault Localisation for Multi-Agent Systems</b>	Lucio Passos, Rui Abreu, Rosaldo J. F. Rossetti	long	45
7/29/2015	17:00	18:00	Main28	LB2	Social Networks 2	Main1228	1228	<b>Nonnegative Matrix Tri-factorization with Graph Regularization for Community Detection in Social Networks</b>	Yulong Pei, Nilanjan Chakraborty, Katia Sycara	long	46
7/29/2015	17:00	18:00	Main28	LB2	Social Networks 2	Main665	665	<b>Personalized Ranking Metric Embedding for Next New POI Recommendation</b>	Shanshan Feng, Tao Xu, Yifeng Zeng, Gao Cong, Yeow Meng Chee, Quan Yuan	long	47
7/29/2015	17:00	18:00	Main28	LB2	Social Networks 2	Main889	889	<b>Influence Maximization in Big Network: An Incremental Algorithm for Streaming Subgraph Influence Spread Estimation</b>	Wei-Xue Lu, Peng Zhang, Chuan Zhou, Chunyi Liu, Li Gao	short	48
7/29/2015	17:00	18:00	Main28	LB2	Social Networks 2	Main1059	1059	<b>CEIL: A scalable, resolution limit free approach for detecting communities in large networks</b>	Vishnu Sankar, Balaraman Ravindran, Shivashankar S.	short	49
7/29/2015	17:00	18:00	Main61	LB3	Constraints, Satisfiability, and Search 2	Main1187	1187	<b>Solving QBF by Clause Selection</b>	Mikolas Janota, Joao Marques-Silva	long	55
7/29/2015	17:00	18:00	Main61	LB3	Constraints, Satisfiability, and Search 2	Main1376	1376	<b>On the empirical time complexity of random 3-SAT at the phase transition</b>	Zongxu Mu, Holger H. Hoos	long	56
7/29/2015	17:00	18:00	Main61	LB3	Constraints, Satisfiability, and Search 2	Main915	915	<b>Multi-Pass High-Level Presolving</b>	Kevin Leo, Guido Tack	long	57
7/29/2015	17:00	18:00	KR6	LP	KR Track: Logic Programming	KR5	5	<b>Partial Grounded Fixpoints</b>	Bart Bogaerts, Joost Vennekens, Marc Denecker	short	69
7/29/2015	17:00	18:00	KR6	LP	KR Track: Logic Programming	KR182	182	<b>First-Order Disjunctive Logic Programming vs Normal Logic Programming</b>	Yi Zhou	short	71
7/29/2015	17:00	18:00	KR6	LP	KR Track: Logic Programming	KR223	223	<b>Simplifying a Logic Program Using Its Consequences</b>	Jianmin Ji, Hai Wan, Ziwei Huo, Zhenfeng Yuan	short	73
7/29/2015	17:00	18:00	KR6	LP	KR Track: Logic Programming	KR253	253	<b>Stable Model Semantics of Abstract Dialectical Frameworks Revisited: A Logic Programming Perspective</b>	Mario Alviano, Wolfgang Faber	short	75
7/29/2015	17:00	18:00	KR6	LP	KR Track: Logic Programming	KR308	308	<b>Logic Program Termination Analysis Using Rule Sizes</b>	Marco Calautti, Sergio Greco, Cristian Molinaro, Irina Trubitsyna	short	77
7/29/2015	17:00	18:00	KR6	LP	KR Track: Logic Programming	KR69	69	<b>Epistemic Quantified Boolean Logic: Expressiveness and Completeness Results</b>	Francesco Belardinelli, Wiebe van der Hoek	short	79
7/29/2015	17:00	18:00	Main30	R1	Main Track: Knowledge Representation, Reasoning, and Logic 1	Main494	494	<b>Dissecting German Grammar and Swiss Passports: Open-Domain Decomposition of Compositional Entries in Large-Scale Knowledge Repositories</b>	Marius Pasca, Hylke Buisman	short	23
7/29/2015	17:00	18:00	Main30	R1	Main Track: Knowledge Representation, Reasoning, and Logic 1	Main1565	1565	<b>A Simple Probabilistic Extension of Modal Mu-calculus</b>	Wanwei Liu, Lei Song, Ji Wang, Lijun Zhang	short	24

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7/29/2015	17:00	18:00	Main30	R1	Main Track: Knowledge Representation, Reasoning, and Logic 1	Main1370	1370	<b>Automatic Generation of Raven's Progressive Matrices</b>	Ke Wang, Zhendong Su	short	25
7/29/2015	17:00	18:00	Main30	R1	Main Track: Knowledge Representation, Reasoning, and Logic 1	Main483	483	<b>The Complexity of MAP Inference in Bayesian Networks Specified Through Logical Languages</b>	Denis Maua, Cassio P. de Campos, Fabio G. Cozman	short	26
7/29/2015	17:00	18:00	Main30	R1	Main Track: Knowledge Representation, Reasoning, and Logic 1	Main758	758	<b>On the Graded Acceptability of Arguments</b>	Davide Grossi, Sanjay Modgil	long	27
7/29/2015	17:00	18:00	ML11	R2	ML Track: Reinforcement Learning 2	ML15	15	<b>Reinforcement Learning from Demonstration through Shaping</b>	Tim Brys, Anna Harutyunyan, Halit Bener Suay, Sonia Chernova, Matthew E. Taylor, Ann Nowe	long	15
7/29/2015	17:00	18:00	ML11	R2	ML Track: Reinforcement Learning 2	ML159	159	<b>Potential Based Reward Shaping for Hierarchical Reinforcement Learning</b>	Yang Gao, Francesca Toni	short	16
7/29/2015	17:00	18:00	ML11	R2	ML Track: Reinforcement Learning 2	ML316	316	<b>Increasingly Cautious Optimism for Practical PAC-MDP Exploration</b>	Liangpeng Zhang, Ke Tang, Xin Yao	short	17
7/29/2015	17:00	18:00	ML11	R2	ML Track: Reinforcement Learning 2	ML402	402	<b>Direct Policy Iteration with Demonstrations</b>	Jessica Chemali, Alessandro Lazaric	long	18
7/29/2015	17:00	18:00	KR18	R3	KR Track: Planning and Reasoning	KR68	68	<b>Complexity Results in Epistemic Planning</b>	Bolander Thomas, Martin Jensen, Francois Schwarzentruber	short	6
7/29/2015	17:00	18:00	KR18	R3	KR Track: Planning and Reasoning	KR154	154	<b>Computation and Complexity of Preference Inference Based on Hierarchical Models</b>	Nic Wilson, Anne-Marie George, Barry O'Sullivan	long	7
7/29/2015	17:00	18:00	KR18	R3	KR Track: Planning and Reasoning	KR191	191	<b>Efficient Semantic Features for Automated Reasoning over Large Theories</b>	Cezary Kaliszyk, Josef Urban, Jiri Vyskocil	long	8
7/29/2015	17:00	18:00	KR18	R3	KR Track: Planning and Reasoning	KR208	208	<b>Fixed-parameter Tractable Reductions to SAT for Planning</b>	Ronald de Haan, Martin Kronegger, Andreas Pfandler	short	9
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7/29/2015	20:00	24:00	Banquet		IJCAI 2015 Banquet						
7/30/2015	08:30	09:30	Invited10	LB	John McCarthy Award	Invited10	10	<b>John McCarthy Award</b>	Prof. Bart Selman		
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7/30/2015	09:40	10:40	ML17	C	ML Track: High-Dimensional Data 2	ML61	61	<b>Intersecting Manifolds: Detection, Segmentation, and Labeling</b>	Shay Deutsch, Gerard Medioni	short	64
7/30/2015	09:40	10:40	ML17	C	ML Track: High-Dimensional Data 2	ML119	119	<b>Robust Subspace Segmentation by Simultaneously Learning Data Representations and Their Affinity Matrix</b>	Xiaojie Guo	long	65
7/30/2015	09:40	10:40	ML17	C	ML Track: High-Dimensional Data 2	ML248	248	<b>Mirror Representation for Modeling View-specific Transform in Person Re-identification</b>	Yingcong Chen, Wei-Shi Zheng, Jianhuang Lai	short	66
7/30/2015	09:40	10:40	ML17	C	ML Track: High-Dimensional Data 2	ML363	363	<b>Mixed Error Coding for Face Recognition with Mixed Occlusions</b>	Ronghua Liang, Xiao-Xin Li	long	67



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7/30/2015	09:40	10:40	Main75	GH	Planning 3	Main661	661	<b>Factored Upper Bounds for Multiagent Planning Problems with Non-Factored Value Functions</b>	<i>Frans Oliehoek, Matthijs Spaan, Stefan Witwicki</i>	long	85
7/30/2015	09:40	10:40	Main75	GH	Planning 3	Main755	755	<b>Multi-Objective POMDPs with Lexicographic Reward Preferences</b>	<i>Kyle H Wray, Shlomo Zilberstein</i>	short	86
7/30/2015	09:40	10:40	Main75	GH	Planning 3	Main1476	1476	<b>ASAP-UCT: Abstraction of State-Action Pairs in UCT</b>	<i>Ankit Anand, Aditya Grover, Mausam, Parag Singla</i>	short	87
7/30/2015	09:40	10:40	Main46	LB1	Sequential Decision Making	Main692	692	<b>Optimization of probabilistic argumentation with Markov Decision Models</b>	<i>Emmanuel Hadoux, Aurelie Beynier, Nicolas Maudet, Paul Weng, Anthony Hunter</i>	long	37
7/30/2015	09:40	10:40	Main46	LB1	Sequential Decision Making	Main209	209	<b>Solving MDPs with Skew Symmetric Bilinear Utility Functions</b>	<i>Hugo Gilbert, Olivier Spanjaard, Paolo Viappiani, Paul Weng</i>	long	38
7/30/2015	09:40	10:40	Main46	LB1	Sequential Decision Making	Main1245	1245	<b>Stick-Breaking Policy Learning in DEC-POMDPs</b>	<i>Miao Liu, Christopher Amato, Xuejun Liao, Jonathan P. How, Lawrence Carin</i>	short	39
7/30/2015	09:40	10:40	Main46	LB1	Sequential Decision Making	Main671	671	<b>Non-monotone Adaptive Submodular Maximization</b>	<i>Alkis Gotovos, Amin Karbasi, Andreas Krause</i>	short	40
7/30/2015	09:40	10:40	Main53	LB2	Main Track: Machine Learning 1	Main569	569	<b>Biclustering gene expressions using factor graphs and the max-sum algorithm</b>	<i>Matteo Denitto, Manuele Bicego, Alessandro Farinelli</i>	short	44
7/30/2015	09:40	10:40	Main53	LB2	Main Track: Machine Learning 1	Main1627	1627	<b>Correcting Covariate Shift with the Frank-Wolfe Algorithm</b>	<i>Junfeng Wen, Russell Greiner, Dale Schuurmans</i>	short	45
7/30/2015	09:40	10:40	Main53	LB2	Main Track: Machine Learning 1	Main63	63	<b>Character-based Parsing with Convolutional Neural Network</b>	<i>Zheng Xiaoqing, Haoyuan Peng, Yi Chen</i>	short	46
7/30/2015	09:40	10:40	Main53	LB2	Main Track: Machine Learning 1	Main510	510	<b>Revisiting Gaussian Process Dynamical Models</b>	<i>Jing Zhao, Shiliang Sun</i>	short	47
7/30/2015	09:40	10:40	Main53	LB2	Main Track: Machine Learning 1	Main530	530	<b>Adaptive Discriminative Reordering Model for Statistical Machine Translation Based on Structure Learning</b>	<i>Biao Zhang, JinSong Su, JunFeng Yao</i>	short	48
7/30/2015	09:40	10:40	Main53	LB2	Main Track: Machine Learning 1	Main513	513	<b>Joint Learning of Constituency and Dependency Grammars by Decomposed Cross-Lingual Induction</b>	<i>Wenbin Jiang, Qun Liu</i>	short	49
7/30/2015	09:40	10:40	Main64	LB3	Robotics and Vision 1	Main61	61	<b>Weakly Supervised RBM for Semantic Segmentation</b>	<i>Yong Li, Jing Liu, Yuhang Wang, Lu Han Qing)</i>	short	61
7/30/2015	09:40	10:40	Main64	LB3	Robotics and Vision 1	Main761	761	<b>Toward Estimating Others Transition Models Under Occlusion for Multi-Robot IRL</b>	<i>Bogert Kenneth, Prashant Doshi</i>	long	62
7/30/2015	09:40	10:40	Main64	LB3	Robotics and Vision 1	Main1040	1040	<b>Logic-geometric programming: An optimization-based approach to combined task and motion planning</b>	<i>Marc Toussaint</i>	long	63
7/30/2015	09:40	10:40	KR14	LP	KR Track: DL and Ontologies 4	KR72	72	<b>Lightweight Temporal Description Logics with Rigid Roles and Restricted TBoxes</b>	<i>Victor Gutierrez-Basulto, Jean Christoph Jung, Thomas Schneider</i>	short	74
7/30/2015	09:40	10:40	KR14	LP	KR Track: DL and Ontologies 4	KR88	88	<b>Schema.org as a Description Logic</b>	<i>Andre Hernich, Carsten Lutz, Ana Ozaki, Frank Wolter</i>	long	75
7/30/2015	09:40	10:40	KR14	LP	KR Track: DL and Ontologies 4	KR89	89	<b>Ontology-Mediated Queries with Closed Predicates</b>	<i>Carsten Lutz, Inanc Seylan, Frank Wolter</i>	long	76

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7/30/2015	09:40	10:40	KR14	LP	KR Track: DL and Ontologies 4	KR96	96	Computing Horn Rewritings of Description Logics Ontologies	Mark Kaminski, Bernardo C. Cuenca Grau	short	77
7/30/2015	09:40	10:40	Main49	R1	Recommender Systems 2	Main157	157	Cross-Domain Collaborative Filtering with Review Text	Xin Xin, Zhirun Liu, Chin-Yew Lin, Heyan Huang, Xiaochi Wei	short	19
7/30/2015	09:40	10:40	Main49	R1	Recommender Systems 2	Main932	932	Sparse Probabilistic Matrix Factorization by Laplace Distribution for Collaborative Filtering	Liping Jing, Peng Wang	short	20
7/30/2015	09:40	10:40	Main49	R1	Recommender Systems 2	Main635	635	A Synthetic Approach for Recommendation: Combining Ratings, Social Relations, and Reviews	Guang-Neng Hu, Xin-Yu Dai, Yunya Song, Shu-Jian Huang, Jia-Jun Chen	long	21
7/30/2015	09:40	10:40	Main49	R1	Recommender Systems 2	Main829	829	Optimal Greedy Diversity for Recommendation	Ashkan Azin, Branislav Kveton, Shlomo Berkovsky, Zheng Wen	short	22
7/30/2015	09:40	10:40	Main49	R1	Recommender Systems 2	Main264	264	Differentially Private Matrix Factorization	Jingyu Hua, Chang Xia, Sheng Zhong	short	23
7/30/2015	09:40	10:40	Main47	R2	Constraints, Satisfiability, and Search 3	Main440	440	Compiling Constraint Networks into Multivalued Decomposable Decision Graphs	Frederic Koriche, Jean-Marie J.M. Lagniez, Marquis Pierre, Samuel Thomas	short	10
7/30/2015	09:40	10:40	Main47	R2	Constraints, Satisfiability, and Search 3	Main1602	1602	Statistical Regimes and Runtime Prediction	Barry Hurley, Barry O'Sullivan	long	11
7/30/2015	09:40	10:40	Main47	R2	Constraints, Satisfiability, and Search 3	Main1280	1280	Exploiting the Structure of Unsatisfiable Cores in MaxSAT	Carlos Ansotegui, Frederic Didier, Joel Gabas	short	12
7/30/2015	09:40	10:40	Main47	R2	Constraints, Satisfiability, and Search 3	Main292	292	ReACTR: Realtime Algorithm Configuration through Tournament Rankings	Tadhg Fitzgerald, Yuri Malitsky, Barry O'Sullivan	short	13
7/30/2015	09:40	10:40	Main47	R2	Constraints, Satisfiability, and Search 3	Main360	360	Expressive Logical Combinators for Free	Pierre Geneves, Nabil Layaida, Alan Schmitt)	short	14
7/30/2015	09:40	10:40	ML18	R3	ML Track: Ensemble Methods	ML144	144	Instance-wise Weighted Nonnegative Matrix Factorization for Aggregating Partitions with Locally Reliable Clusters	Xiaodong Zheng, Shanfeng Zhu, Junning Gao, Hiroshi Mamitsuka	short	1
7/30/2015	09:40	10:40	ML18	R3	ML Track: Ensemble Methods	ML403	403	Robust Clustering Ensemble	Peng Zhou, Liang Du, Yi-Dong Shen	long	2
7/30/2015	09:40	10:40	ML18	R3	ML Track: Ensemble Methods	ML428	428	Optimizing Locally Linear Classifiers with Supervised Anchor Point Learning	Xue Mao, Zhouyu Fu, Ou Wu, Weiming Hu	short	3
7/30/2015	09:40	10:40	ML18	R3	ML Track: Ensemble Methods	ML612	612	Training-Time Optimization of a Budgeted Booster	Yi Huang, Brian Powers, Lev Reyzin)	short	4
7/30/2015	09:40	10:40	ML18	R3	ML Track: Ensemble Methods	ML648	648	An Efficient Classifier Based on Hierarchical Mixing Linear Support Vector Machines	Di Wang, Xiaoqin Zhang, Mingyu Fan, Xiuzi Ye	short	5
7/30/2015	10:40	11:10	Poster13		Coffee and Poster 9						
7/30/2015	11:10	12:10	ML19	C	ML Track: Sparsity	ML23	23	A New Simplex Sparse Learning Model to Measure Data Similarity for Clustering	Jin Huang, Feiping Nie	short	68
7/30/2015	11:10	12:10	ML19	C	ML Track: Sparsity	ML199	199	Robust Dictionary Learning with Capped L1 Norm	Wenhao Jiang, Feiping Nie, Heng Huang	short	69
7/30/2015	11:10	12:10	ML19	C	ML Track: Sparsity	ML284	284	Convergence of Common Proximal Methods for L1 Regularized Least Squares	Shaozhe Tao, Daniel Boley, Shuzhong Zhang	short	70

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7/30/2015	11:10	12:10	ML19	C	ML Track: Sparsity	ML291	291	<b>Density Corrected Sparse Recovery when R.I.P. Condition is Broken</b>	Ming Lin, Zhengzhong Lan, Alexander G. Hauptmann	short	71
7/30/2015	11:10	12:10	ML19	C	ML Track: Sparsity	ML335	335	<b>Data Sparseness in Linear SVM</b>	Xiang Li, Bin Gu, Charles Ling, Huaimin Wang	short	72
7/30/2015	11:10	12:10	ML19	C	ML Track: Sparsity	ML616	616	<b>Efficient Generalized Conditional Gradient with Gradient Sliding for Composite Optimization</b>	Cheung Yiu-ming, Jian Lou	short	73
7/30/2015	11:10	12:10	Main31	GH	Planning 4	Main523	523	<b>Adversarial Hierarchical-Task Network Planning for Complex Real-Time Games</b>	Santiago Ontanon Villar, Michael Buro	long	88
7/30/2015	11:10	12:10	Main31	GH	Planning 4	Main1128	1128	<b>Point-Based Planning for Multi-Objective POMDPs</b>	Diederik Roijers, Shimon Whiteson, Frans Oliehoek	short	89
7/30/2015	11:10	12:10	Main31	GH	Planning 4	Main356	356	<b>Exploratory Digraph Navigation using A*</b>	Fabrice Mayran de Chamisso, Laurent Soulier, Michael Aupetit	short	90
7/30/2015	11:10	12:10	Main31	GH	Planning 4	Main754	754	<b>Optimal Policy Generation for Partially Satisfiable Co-Safe LTL Specifications</b>	Bruno Lacerda, David Parker, Nick Hawes	long	91
7/30/2015	11:10	12:10	Sist4	LB1	Sister Track: Logic and Query	Sist3	3	<b>How to Define Certain Answers (from KR'13)</b>	Leonid Libkin	long	41
7/30/2015	11:10	12:10	Sist4	LB1	Sister Track: Logic and Query	Sist8	8	<b>Description Logic Based Dynamic Systems: Modeling, Verification, and Synthesis (from RR'13)</b>	Diego Calvanese, Giuseppe De Giacomo, Marco Montali and Fabio Patrizi	long	42
7/30/2015	11:10	12:10	Sist4	LB1	Sister Track: Logic and Query	Sist11	11	<b>When Are Description Logic Knowledge Bases Indistinguishable? (from KR'14)</b>	Elena Botoeva, Roman Kontchakov, Vladislav Ryzhikov, Frank Wolter and Michael Zakharyashev	long	43
7/30/2015	11:10	12:10	Main51	LB2	Constraints, Satisfiability, and Search 4	Main312	312	<b>Automatic Dominance Breaking for Constraint Optimization Problems</b>	Christopher Mears, Maria Garcia-de-la-Banda	long	50
7/30/2015	11:10	12:10	Main51	LB2	Constraints, Satisfiability, and Search 4	Main1113	1113	<b>Combining Preference Elicitation and Search in Multiojective State-Space Graphs</b>	Nawal Benabbou, Patrice Perny	short	51
7/30/2015	11:10	12:10	Main51	LB2	Constraints, Satisfiability, and Search 4	Main171	171	<b>Improving the Efficiency of Dynamic Programming on Tree Decompositions via Machine Learning</b>	Michael Abseher, Frederico Dusberger, Nysret Musliu, Stefan Woltran	short	52
7/30/2015	11:10	12:10	Main51	LB2	Constraints, Satisfiability, and Search 4	Main1282	1282	<b>On the Resiliency of Unit Propagation to Max-Resolution</b>	Andre Abrame, Djamel Habet	short	53
7/30/2015	11:10	12:10	Main51	LB2	Constraints, Satisfiability, and Search 4	Main1100	1100	<b>On Constrained Boolean Pareto Optimization</b>	Chao Qian, Yang Yu, Zhi-Hua Zhou	short	54
7/30/2015	11:10	12:10	Main52	LB3	Main Track: Machine Learning 2	Main643	643	<b>Information Gathering in Networks via Active Exploration</b>	Adish Singla, Eric Horvitz, Pushmeet Kohli, Ryen White, Andreas Krause	short	55
7/30/2015	11:10	12:10	Main52	LB3	Main Track: Machine Learning 2	Main955	955	<b>Multi-Label Active Learning: Query Type Matters</b>	Sheng-Jun Huang, Songcan Chen, Zhi-Hua Zhou	short	56
7/30/2015	11:10	12:10	Main52	LB3	Main Track: Machine Learning 2	Main467	467	<b>Medical Synonym Extraction with Concept Space Models</b>	Chang Wang, Liangliang Cao	short	57
7/30/2015	11:10	12:10	Main52	LB3	Main Track: Machine Learning 2	Main712	712	<b>Greedy Structure Search for Sum-Product Networks</b>	Aaron Dennis, Dan Ventura	short	58
7/30/2015	11:10	12:10	Main52	LB3	Main Track: Machine Learning 2	Main656	656	<b>Active Learning from Crowds with Unsure Option</b>	Jinhong Zhong, Ke Tang, Zhi-Hua Zhou	short	59

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7/30/2015	11:10	12:10	Main52	LB3	Main Track: Machine Learning 2	Main261	261	<b>Auxiliary Information Regularized Machine for Multiple Modality Feature Learning</b>	Yang Yang, Han-Jia Ye, De-Chuan Zhan, Yuan Jiang	short	60
7/30/2015	11:10	12:10	KR15	LP	KR Track: Datalog+/-	KR49	49	<b>Combining Rewriting and Incremental Materialisation Maintenance for Datalog Programs with Equality</b>	Boris Motik, Yavor Nenov, Robert E. F. Piro, Ian Horrocks	short	81
7/30/2015	11:10	12:10	KR15	LP	KR Track: Datalog+/-	KR128	128	<b>Combining Existential Rules and Transitivity: Next Steps</b>	Jean-Francois Baget, Meghyn Bienvenu, Marie-Laure Mugnier, Swan Rocher	long	82
7/30/2015	11:10	12:10	KR15	LP	KR Track: Datalog+/-	KR196	196	<b>Characterization of the Expressivity of Existential Rule Queries</b>	Sebastian Rudolph, Michael Thomazo	long	83
7/30/2015	11:10	12:10	KR15	LP	KR Track: Datalog+/-	KR204	204	<b>Combining Existential Rules with the Power of CP-Theories</b>	Tommaso Di Noia, Thomas Lukasiewicz, Maria Vanina Martinez, Gerardo I. Simari, Oana Tifrea-Marcuska	short	84
7/30/2015	11:10	12:10	Main29	R1	Heuristic Search 3	Main904	904	<b>Interplanetary Trajectory Planning with Monte Carlo Tree Search</b>	Daniel Hennes, Dario Izzo	long	24
7/30/2015	11:10	12:10	Main29	R1	Heuristic Search 3	Main684	684	<b>H-Index Manipulation by Merging Articles: Models, Theory, and Experiments</b>	Rene van Bevern, Christian Komusiewicz, Rolf Niedermeier, Manuel Sorge, Toby Walsh	long	25
7/30/2015	11:10	12:10	Main29	R1	Heuristic Search 3	Main623	623	<b>Model-based Genetic Algorithms for Algorithm Configuration</b>	Carlos Ansoategui, Yuri Malitsky, Horst Samulowitz, Meinolf Sellmann, Kevin Tierney	short	26
7/30/2015	11:10	12:10	Main54	R2	Agent and Multi-agent Systems 1	Main944	944	<b>Revenue Maximization Envy-free Pricing for Homogeneous Resources</b>	Gianpiero Monaco, Piotr Sankowski, Qiang Zhang	long	15
7/30/2015	11:10	12:10	Main54	R2	Agent and Multi-agent Systems 1	Main255	255	<b>Competitive Pricing for Cloud Computing in an Evolutionary Market</b>	Bolei Xu, Tao Qin, Guoping Qiu, Tiejian Liu	short	16
7/30/2015	11:10	12:10	Main54	R2	Agent and Multi-agent Systems 1	Main621	621	<b>Optimal Incremental Preference Elicitation during Negotiation</b>	Tim Baarslag, Enrico H. Gerding	long	17
7/30/2015	11:10	12:10	Main54	R2	Agent and Multi-agent Systems 1	Main1401	1401	<b>Quantifying Robustness of Trust Systems Against Collusive Unfair Rating Attacks Using Information Theory</b>	Dongxia Wang, Tim Muller, Jie Zhang, Yang Liu	short	18
7/30/2015	11:10	12:10	Main55	R3	Main Track: Knowledge Representation, Reasoning, and Logic 2	Main1112	1112	<b>Finite Abstractions for the Verification of Epistemic Properties in Open Multi-Agent Systems</b>	Francesco Belardinelli, Davide Grossi, Alessio Lomuscio	short	6
7/30/2015	11:10	12:10	Main55	R3	Main Track: Knowledge Representation, Reasoning, and Logic 2	Main1500	1500	<b>From Raw Sensor Data to Detailed Spatial Knowledge</b>	Peng Zhang, Jae Hee Lee, Jochen Renz	short	7
7/30/2015	11:10	12:10	Main55	R3	Main Track: Knowledge Representation, Reasoning, and Logic 2	Main622	622	<b>Formal Analysis of Dialogues on Infinite Argumentation Frameworks</b>	Francesco Belardinelli, Davide Grossi, Nicolas Maudet	long	8
7/30/2015	11:10	12:10	Main55	R3	Main Track: Knowledge Representation, Reasoning, and Logic 2	Main707	707	<b>A Common-Sense Conceptual Categorization System Integrating Proxytypes and the Dual Process of Reasoning</b>	Antonio Lieto, Daniele Paolo Radicioni, Valentina Rho	long	9
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7/30/2015	12:30	14:00	Lunch3		Lunch						
7/30/2015	14:00	15:00	Invited5	LB	Invited Talk 5: Jon McCormack	Invited5	5	Art is a System	Jon McCormack		
7/30/2015	14:00	15:00	Invited6	R	Invited Talk 6: Manuela M. Veloso	Invited6	6	Making Intelligent Mobile Service a Reality	Manuela M. Veloso		
7/30/2015	15:00	15:10	Transition4		Transition						
7/30/2015	15:10	16:30	AIA3	C	AI&Arts: Music, Language, Visual Arts	AIA4	4	Generating 1/f noise sequences as constraint satisfaction: the Voss constraint	Francois Pachet	long	67
7/30/2015	15:10	16:30	AIA3	C	AI&Arts: Music, Language, Visual Arts	AIA25	25	Generating all Possible Palindromes from N-gram Corpora	Alexandre Papadopoulos, Pierre Roy, Jean-Charles Regin, Francois Pachet	long	68
7/30/2015	15:10	16:30	AIA3	C	AI&Arts: Music, Language, Visual Arts	AIA40	40	Narrative Hermeneutic Circle: Improving Character Role Identification from Natural Language Text via Feedback Loops	Josep Valls-Vargas, Jichen Zhu, Santiago Ontanon	long	69
7/30/2015	15:10	16:30	AIA3	C	AI&Arts: Music, Language, Visual Arts	AIA43	43	Evolving Ambiguous Images	Adriano Vinhas, Joao Correia, Penousal Machado, Aniko Ekart	long	70
7/30/2015	15:10	16:30	Main2	GH	Natural Language Processing 4	Main51	51	Modeling Mention, Context and Entity with Neural Networks for Entity Disambiguation	Yaming Sun, Duyu Tang, Lei Lin, Zhenzhou Ji, Xiaolong Wang	short	83
7/30/2015	15:10	16:30	Main2	GH	Natural Language Processing 4	Main52	52	A Subspace Learning Framework for Cross-Lingual Sentiment Classification with Partial Parallel Data	Guangyou Zhou, Jun Zhao, Xiao Miao	short	84
7/30/2015	15:10	16:30	Main2	GH	Natural Language Processing 4	Main251	251	Compressive Document Summarization via Sparse Optimization	Jin-ge Yao, Xiaojun Wan, Jianguo Xiao	long	85
7/30/2015	15:10	16:30	Main2	GH	Natural Language Processing 4	Main744	744	Embedding Semantic Relations into Word Representations	Danushka Bollegala, Takanori Maehara, Ken-ichi Kawarabayashi	long	86
7/30/2015	15:10	16:30	Main2	GH	Natural Language Processing 4	Main203	203	Word-error correction of continuous speech recognition based on Normalized Relevance Distance	Yohei Fusayasu, Katsuyuki Tanaka, Tetsuya Takiguchi, Yasuo Arika	short	87
7/30/2015	15:10	16:30	Main2	GH	Natural Language Processing 4	Main949	949	Convolutional Neural Networks for Text Hashing	Jiaming Xu, Peng Wang, Guanhua Tian, Bo Xu, Jun Zhao, Wei Hong Hao	short	88
7/30/2015	15:10	16:30	Main39	LB1	Main Track: Ontologies	Main1114	1114	How to select one preferred assertional-based repair from inconsistent and uncertain Description Logic knowledge bases?	Salem Benferhat, Zied Bouraoui, Karim Tabia	long	37
7/30/2015	15:10	16:30	Main39	LB1	Main Track: Ontologies	Main347	347	Unsupervised Learning of an IS-A Taxonomy from a Limited Domain-Specific Corpus	Daniele Alfarone, Jesse Davis	short	38
7/30/2015	15:10	16:30	Main39	LB1	Main Track: Ontologies	Main1600	1600	Scalable Maintenance of Knowledge Discovery in an Ontology Stream	Freddy Lecue	short	39
7/30/2015	15:10	16:30	Main39	LB1	Main Track: Ontologies	Main464	464	Coherence Across Components in Cognitive Systems - One Ontology to Rule Them All	Gregor Behnke, Denis Ponomaryov, Marvin Rudiger Georg Schiller, Pascal Bercher, Florian Nothdurft, Birte Glimm, Susanne Biundo	short	40

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7/30/2015	15:10	16:30	Main39	LB1	Main Track: Ontologies	Main1294	1294	<b>Bootstrapping domain ontologies from Wikipedia: a uniform approach</b>	Daniil Mirylenka, Andrea Passerini, Luciano Serafini	long	41
7/30/2015	15:10	16:30	Main39	LB1	Main Track: Ontologies	Main1497	1497	<b>An Ontology Matching Approach Based on Affinity-Preserving RandomWalks</b>	Xiang Chuncheng	short	42
7/30/2015	15:10	16:30	Main9	LB2	Social Choice Theory	Main1365	1365	<b>Ranked Voting on Social Networks</b>	Ariel D. Procaccia, Nisarg Shah, Eric Sodomka	long	47
7/30/2015	15:10	16:30	Main9	LB2	Social Choice Theory	Main297	297	<b>Non-Myopic Negotiators See What's Best</b>	Yair Zick, Yoram Bachrach, Ian Kash, Peter Key	short	48
7/30/2015	15:10	16:30	Main9	LB2	Social Choice Theory	Main57	57	<b>Efficient, Private, and epsilon-Strategyproof Elicitation of Tournament Voting Rules</b>	Lee David	short	49
7/30/2015	15:10	16:30	Main9	LB2	Social Choice Theory	Main1101	1101	<b>Structure in Dichotomous Preferences</b>	Edith Elkind, Martin Lackner	long	50
7/30/2015	15:10	16:30	Main9	LB2	Social Choice Theory	Main1179	1179	<b>Lie on the Fly: Practical Manipulation with Incomplete Information</b>	Lih Dery, Zinovi Rabinovich, Svetlana Obraztsova, Meir Kalech	long	51
7/30/2015	15:10	16:30	Main40	LB3	Graphical Models	Main1035	1035	<b>A Unified Model for Unsupervised Opinion Spamming Detection Incorporating Text Generality</b>	Yinqing Xu, Bei Shi, Wentao Tian, Wai Lam	short	61
7/30/2015	15:10	16:30	Main40	LB3	Graphical Models	Main1130	1130	<b>Pushing Forward Marginal MAP with Best-First Search</b>	Radu Marinescu, Rina Dechter, Alexander Ihler	long	62
7/30/2015	15:10	16:30	Main40	LB3	Graphical Models	Main866	866	<b>From Weighted to Unweighted Model Counting</b>	Supratik Chakraborty, Dror Fried, Kuldeep Meel, Moshe Y. Vardi	long	63
7/30/2015	15:10	16:30	Main40	LB3	Graphical Models	Main141	141	<b>Bayesian Modelling of Community-Based Multidimensional Trust in Participatory Sensing under Data Sparsity</b>	Venanzi Matteo, Luke Teacy, Alex Rogers, Nick Jennings	short	64
7/30/2015	15:10	16:30	Main40	LB3	Graphical Models	Main337	337	<b>Differential Semantics of Intervention in Bayesian Networks</b>	Biao Qin	short	65
7/30/2015	15:10	16:30	Main40	LB3	Graphical Models	Main215	215	<b>Indirect Causes in Dynamic Bayesian Networks Revisited</b>	Alexander Motzek, Ralf Moeller	short	66
7/30/2015	15:10	16:30	KR11	LP	KR Track: Reasoning	KR44	44	<b>MergeXplain: Fast Computation of Multiple Conflicts for Diagnosis</b>	Kostyantyn Shchekotykhin, Dietmar Jannach, Thomas Schmitz	short	75
7/30/2015	15:10	16:30	KR11	LP	KR Track: Reasoning	KR226	226	<b>A MaxSAT Algorithm Using Cardinality Constraints of Bounded Size</b>	Mario Alviano, Carmine Dodaro, Francesco Ricca	long	76
7/30/2015	15:10	16:30	KR11	LP	KR Track: Reasoning	KR238	238	<b>On the entailment problem for a logic of typicality</b>	Richard Booth, Giovanni Casini, Thomas Meyer, Ivan J. Varzinczak	short	77
7/30/2015	15:10	16:30	KR11	LP	KR Track: Reasoning	KR256	256	<b>Bidirectional Constraints for Exchanging Data: Beyond Monotone Queries</b>	Marcelo Arenas, Gabriel Dieguez, Jorge Perez	long	78
7/30/2015	15:10	16:30	KR11	LP	KR Track: Reasoning	KR290	290	<b>Did you know?: Mining Interesting Trivia for Entities from Wikipedia</b>	Abhay Prakash, Manoj Kumar Chinnakotla, Dhaval Patel, Puneet Garg	long	79
7/30/2015	15:10	16:30	Main41	R1	Planning 5	Main927	927	<b>Synthesis for LTL and LDL on finite traces</b>	Giuseppe de Giacomo, Moshe Y. Vardi	short	19
7/30/2015	15:10	16:30	Main41	R1	Planning 5	Main789	789	<b>Metareasoning for Planning Under Uncertainty</b>	Christopher Lin, Andrey Kolobov, Ece Kamar, Eric Horvitz	long	20

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7/30/2015	15:10	16:30	Main41	R1	Planning 5	Main1548	1548	<b>On the boundary of (un)decidability: decidable model-checking for a fragment of Resource Agent Logic</b>	Natasha Alechina, Nils Bulling, Brian Logan, Hoang Nga Nguyen	short	21
7/30/2015	15:10	16:30	Main41	R1	Planning 5	Main108	108	<b>Action2Activity: Recognizing Complex Activities from Sensor Data</b>	Liu Ye, Liqiang Li Nie, Lei Han, Luming Zhang, David Rosenblum	short	22
7/30/2015	15:10	16:30	Main41	R1	Planning 5	Main1360	1360	<b>An Iterative Approach to Synthesize Data Transformation Programs</b>	Bo Wu, Craig A. Knoblock	short	23
7/30/2015	15:10	16:30	Main41	R1	Planning 5	Main211	211	<b>Estimating the Probability of Meeting a Deadline in Hierarchical Plans</b>	Liat Cohen, Solomon Shimony, Gera Weiss	long	24
7/30/2015	15:10	16:30	Main42	R2	Distributed Search/CSP/Optimization	Main38	38	<b>Collective Biobjective Optimization Algorithm for Parallel Test Paper Generation</b>	Minh Luan Nguyen, Siu Cheung Hui, Alvis C. M. Fong	long	10
7/30/2015	15:10	16:30	Main42	R2	Distributed Search/CSP/Optimization	Main1007	1007	<b>Probabilistic Inference Based Message-Passing For Resource Constrained DCOPs</b>	Supriyo Ghosh, Akshat Kumar, Pradeep Varakantham	long	11
7/30/2015	15:10	16:30	Main42	R2	Distributed Search/CSP/Optimization	Main729	729	<b>Applying Max-sum to Asymmetric Distributed Constraint Optimization</b>	Roie Zivan, Tomer Parash, Yarden Naveh	long	12
7/30/2015	15:10	16:30	Main42	R2	Distributed Search/CSP/Optimization	Main415	415	<b>Max-Sum Goes Private</b>	Tamir Tassa, Roie Zivan, Tal Grinshpoun	long	13
7/30/2015	15:10	16:30	ML-ISC2	R3	ML Track: Invited Sister Conference Presentations 2	ML-ISC5	5	<b>Employing Machine Learning to Help Verifying Research Hypotheses</b>	Huan Liu	long	1
7/30/2015	15:10	16:30	ML-ISC2	R3	ML Track: Invited Sister Conference Presentations 2	ML-ISC6	6	<b>The Democratization of Optimization</b>	Kristian Kersting	long	2
7/30/2015	15:10	16:30	ML-ISC2	R3	ML Track: Invited Sister Conference Presentations 2	ML-ISC7	7	<b>Tensor Methods: A New Paradigm for Training Probabilistic Models and Feature Learning</b>	Animashree Anandkumar	long	3
7/30/2015	15:10	16:30	ML-ISC2	R3	ML Track: Invited Sister Conference Presentations 2	ML-ISC8	8	<b>Discrete Chebyshev Classifiers</b>	Elad Eban	long	4
7/30/2015	16:30	17:00	Poster11		Coffee and Poster 11						
7/30/2015	17:00	18:00	KR13	C	KR Track: Belief Revision 1	KR99	99	<b>On the Parameterized Complexity of Belief Revision</b>	Andreas Pfandler, Stefan Rummele, Johannes Wallner, Stefan Woltran	long	71
7/30/2015	17:00	18:00	KR13	C	KR Track: Belief Revision 1	KR134	134	<b>An Extension-Based Approach to Belief Revision in Abstract Argumentation</b>	Martin Diller, Adrian Haret, Thomas Linsbichler, Stefan Rummele, Stefan Woltran	short	72
7/30/2015	17:00	18:00	KR13	C	KR Track: Belief Revision 1	KR146	146	<b>Characterizability in Belief Revision</b>	Jon Yaggie, Gyorgy Turan	long	73
7/30/2015	17:00	18:00	KR13	C	KR Track: Belief Revision 1	KR326	326	<b>On the Aggregation of Argumentation Frameworks</b>	Jérôme Delobelle, Sebastien Konieczny, Srdjan Vesic	short	74
7/30/2015	17:00	18:00	CS1	GH	CS Track: Game theory and Optimization	CS5	5	<b>Online Fair Division: analysing a Food Bank problem</b>	Martin Aleksandrov, Haris Aziz, Serge Gaspers, Walsh Toby	long	89
7/30/2015	17:00	18:00	CS1	GH	CS Track: Game theory and Optimization	CS7	7	<b>When Security Games Go Green: Designing Defender Strategies to Prevent Poaching and Illegal Fishing</b>	Fei Fang, Peter Stone, Milind Tambe	long	90

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7/30/2015	17:00	18:00	CS1	GH	CS Track: Game theory and Optimization	CS9	9	<b>A Fast Combinatorial Algorithm for Optimizing the Spread of Cascades</b>	Xiaojian Wu, Dan Sheldon, Shlomo Zilberstein	long	91
7/30/2015	17:00	18:00	Main43	LB1	Constraints, Satisfiability, and Search 5	Main1553	1553	<b>Decomposition of the Factor Encoding for CSPs</b>	Chavalit Likitvivanavong, Wei Xia, Roland Yap	long	43
7/30/2015	17:00	18:00	Main43	LB1	Constraints, Satisfiability, and Search 5	Main620	620	<b>Packing Curved Objects</b>	Ignacio Salas, Gilles Chabert	short	44
7/30/2015	17:00	18:00	Main43	LB1	Constraints, Satisfiability, and Search 5	Main462	462	<b>Efficient Operations on MDDs for building Constraint Programming Models</b>	Guillaume Perez, Jean-Charles Regin	long	45
7/30/2015	17:00	18:00	Main43	LB1	Constraints, Satisfiability, and Search 5	Main1026	1026	<b>Filtering Nogoods Lazily in Dynamic Symmetry Breaking During Search</b>	Jimmy Lee, Zichen Zhu	short	46
7/30/2015	17:00	18:00	Main44	LB2	Web and Knowledge-based Information Systems 1	Main1529	1529	<b>Personalized Sentiment Classification Based on Latent Individuality of Microblog Users</b>	Kaisong Song, Shi Feng, Wei Gao, Daling Wang, Ge Yu, Kam-Fai Wong	short	52
7/30/2015	17:00	18:00	Main44	LB2	Web and Knowledge-based Information Systems 1	Main384	384	<b>Reasoning with Style</b>	Marti Bosch, Pierre Geneves, Nabil Layaida	long	53
7/30/2015	17:00	18:00	Main44	LB2	Web and Knowledge-based Information Systems 1	Main1413	1413	<b>Short and Sparse Text Topic Modeling via Self-Aggregation</b>	Xiaojun Quan, Chunyu Kit, Yong Ge, Sinno Jialin Pan	short	54
7/30/2015	17:00	18:00	Main44	LB2	Web and Knowledge-based Information Systems 1	Main40	40	<b>Semantic Concept Discovery for Large-Scale Zero-Shot Event Detection</b>	Chang Xiaojun, Yi Yang, Eric Xing, Alexander Hauptmann, Yaoliang Yu	long	55
7/30/2015	17:00	18:00	Main45	LB3	Robotics and Vision 2	Main1290	1290	<b>Reduced Time-Expansion Graphs for Solving Cooperative Path Finding Sub-optimally</b>	Pavel Surynek	short	56
7/30/2015	17:00	18:00	Main45	LB3	Robotics and Vision 2	Main993	993	<b>Reactive Integrated Motion Planning and Execution</b>	Andreas Hofmann, Enrique Fernandez-Gonzalez, Justin Helbert, Scott D. Smith, Brian C. Williams	short	57
7/30/2015	17:00	18:00	Main45	LB3	Robotics and Vision 2	Main883	883	<b>Multi-Modality Tracker Aggregation: from Generative to Discriminative</b>	Xiaoqin Zhang, Xiuzi Ye, Wei Li	long	58
7/30/2015	17:00	18:00	Main45	LB3	Robotics and Vision 2	Main1482	1482	<b>Graph-based Inverse Optimal Control for Robot Manipulation</b>	Arunkumar Byravan, Monfort Mathew, Brian Ziebart, Byron Boots, Dieter Fox	long	59
7/30/2015	17:00	18:00	KR12	LP	KR Track: Answer Set Programming	KR108	108	<b>Answer Update for Rule-based Stream Reasoning</b>	Harald Beck, Minh Dao-Tran, Thomas Eiter	long	81
7/30/2015	17:00	18:00	KR12	LP	KR Track: Answer Set Programming	KR173	173	<b>On Knowledge Forgetting in Answer Set Programming</b>	Jianmin Ji, Yisong Wang	long	82
7/30/2015	17:00	18:00	Main12	R1	Game Theory 7	Main547	547	<b>Security Games with Information Leakage: Modeling and Computation</b>	Haifeng Xu, Albert Xin Jiang, Arunesh Sinha, Zinovi Rabinovich, Shaddin Dughmi, Milind Tambe	short	25
7/30/2015	17:00	18:00	Main12	R1	Game Theory 7	Main1095	1095	<b>When Schwartz' Conjecture Holds</b>	Matthias Mnich, Yash Raj Shrestha, Yongjie Yang	long	26
7/30/2015	17:00	18:00	Main12	R1	Game Theory 7	Main841	841	<b>Equilibrium Analysis of Multi-Defender Security Games</b>	Jian Lou, Yevgeniy Vorobeychik	long	27
7/30/2015	17:00	18:00	Main12	R1	Game Theory 7	Main1249	1249	<b>Approximate Nash equilibria with near optimal social welfare</b>	Artur Czumaj, Michail Fasoulakis, Marcin Jurdzinski	short	28



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7/30/2015	17:00	18:00	Main74	R2	Web Mining 2	Main416	416	Tracking political elections on social media : Applications and Experience	Danish Contractor, Bhupesh Chawda, Sameep Mehta, L. Venkata Subramaniam, Tanveer A. Faruque	short	14
7/30/2015	17:00	18:00	Main74	R2	Web Mining 2	Main614	614	Interest Inference via Structure-Constrained Multi-Source Multi-Task Learning	Xuemeng Song, Liqiang Li Nie, Luming Zhang, Tat-Seng Chua	short	15
7/30/2015	17:00	18:00	Main74	R2	Web Mining 2	Main919	919	Interactive Gender Inference with Integer Linear Programming	Shoushan Li, Jingjing Wang, Guodong Zhou	short	16
7/30/2015	17:00	18:00	Main74	R2	Web Mining 2	Main1440	1440	Towards Domain-Specific SR: A Case Study from Geography	Sen W Shilad, Isaac Johnson, Rebecca Harper, Huy Mai, Samuel Horlbeck Olsen, Benjamin Mathers, Laura Souza Vonessen, Matthew Wright, Hecht Brent	long	17
7/30/2015	17:00	18:00	Main74	R2	Web Mining 2	Main257	257	A Clustering Algorithm for Massive Amount of Texts	Ming Liu, Bing Quan Liu, Xiang Nan Zhao, Xiao Long Wang	short	18
7/30/2015	17:00	18:00	ML16	R3	ML Track: Hashing	ML70	70	Learning to Hash on Partial Multi-Modal Data	Qifan Wang, Luo Si, Bin Shen	short	5
7/30/2015	17:00	18:00	ML16	R3	ML Track: Hashing	ML154	154	Quantized Correlation Hashing for Fast Cross-modal Search	Botong Wu, Qiang Yang, Wei-Shi Zheng, Yizhou Wang, Jingdong Wang	short	6
7/30/2015	17:00	18:00	ML16	R3	ML Track: Hashing	ML277	277	Ranking Preserving Hashing for Fast Similarity Search	Qifan Wang	short	7
7/30/2015	17:00	18:00	ML16	R3	ML Track: Hashing	ML315	315	Semantic Topic Multimodal Hashing for Cross-media Retrieval	Di Wang, Xinbo Gao, Xiumei Wang, Lihuo He	long	8
7/30/2015	17:00	18:00	ML16	R3	ML Track: Hashing	ML388	388	Optimal Bayesian Hashing for Efficient Face Recognition	Qi Dai, Jianguo Li, Jun Wang, Yu-Gang Jiang, Yurong Chen	short	9
7/30/2015	18:00	19:00	Poster12		Poster 12						
7/30/2015	20:00	24:00	Reception		Student Reception						
7/31/2015	08:30	10:10	Jnl3	C	Journal Track: Multiagent & Logic	Journal7	7	The Complexity of Manipulative Attacks in Nearly Single-Peaked Electorates (Extended Abstract)	Piotr Faliszewski, Edith Hemaspaandra, Lane A. Hemaspaandra	long	61
7/31/2015	08:30	10:10	Jnl3	C	Journal Track: Multiagent & Logic	Journal8	8	On the Testability of BDI Agent Systems (Extended Abstract)	Michael Winikoff, Stephen Cranefield	long	62
7/31/2015	08:30	10:10	Jnl3	C	Journal Track: Multiagent & Logic	Journal9	9	Constitutive and Regulative Specifications of Commitment Protocols: a Decoupled Approach (Extended Abstract)	Matteo Baldoni, Cristina Baroglio, Elisa Marengo, Viviana Patti	long	63
7/31/2015	08:30	10:10	Jnl3	C	Journal Track: Multiagent & Logic	Journal5	5	Norms as a Basis for Governing Sociotechnical Systems: Extended Abstract	Munindar P. Singh	long	64
7/31/2015	08:30	10:10	Jnl3	C	Journal Track: Multiagent & Logic	Journal11	11	kLog: A Language for Logical and Relational Learning with Kernels (Extended Abstract)	Paolo Frasconi, Fabrizio Costa, Luc De Raedt, Kurt De Grave	long	65
7/31/2015	08:30	10:10	Jnl3	C	Journal Track: Multiagent & Logic	Journal12	12	Data Complexity of Query Answering in Description Logics (Extended Abstract)	Diego Calvanese, Giuseppe De Giacomo, Domenico Lembo, Maurizio Lenzerini, Riccardo Rosati	long	66

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7/31/2015	08:30	10:10	Main17	GH	Web Mining 3	Main321	321	<b>Exploiting k-Degree Locality to Improve Overlapping Community Detection</b>	Hongyi Zhang, Michael R. Lyu, Irwin King	short	93
7/31/2015	08:30	10:10	Main17	GH	Web Mining 3	Main131	131	<b>Large Scale Homophily Analysis in Twitter using a Twixonomy</b>	Paola Velardi	long	94
7/31/2015	08:30	10:10	Main17	GH	Web Mining 3	Main158	158	<b>Unsupervised Sentiment Analysis for Social Media Images</b>	Yilin Wang, Suhang Wang, Jiliang Tang, Huan Liu, Baoxin Li	short	95
7/31/2015	08:30	10:10	Main17	GH	Web Mining 3	Main1593	1593	<b>A Unified Probabilistic Model of User Activities and Relations on Social Networking Sites</b>	Yu Xiaofeng, Junqing Xie	long	96
7/31/2015	08:30	10:10	Main17	GH	Web Mining 3	Main74	74	<b>Minimum Sum of Squared Similarities for Large Scale Spectral Clustering</b>	Djallel Bouneffouf	short	97
7/31/2015	08:30	10:10	Main17	GH	Web Mining 3	Main49	49	<b>Re-Ranking Voting-Based Answers by Discarding User Behavior Biases</b>	Xiaochi Wei, Heyan Huang, Chin-Yew Lin, Xin Xin, Xianling Mao	short	98
7/31/2015	08:30	10:10	Main17	GH	Web Mining 3	Main908	908	<b>Deep Learning for Event-Driven Stock Prediction</b>	Xiao Ding, Yue Zhang, Ting Liu, Junwen Duan	long	99
7/31/2015	08:30	10:10	Main33	LB3	Satisfiability	Main426	426	<b>A Modularity-based Random SAT Instances Generator</b>	Jesus Giraldez-Cru, Jordi Levy	short	49
7/31/2015	08:30	10:10	Main33	LB3	Satisfiability	Main107	107	<b>Tractable Classes of Binary CSPs Defined by Excluded Topological Minors</b>	David A Cohen, Martin C. Cooper, Peter Jeavons, Stanislav Zivny	long	50
7/31/2015	08:30	10:10	Main33	LB3	Satisfiability	Main1143	1143	<b>Prime Compilation of Non-Clausal Formulae</b>	Alessandro Previti, Alexey Ignatiev, Antonio Morgado, Joao Marques-Silva	long	51
7/31/2015	08:30	10:10	Main33	LB3	Satisfiability	Main992	992	<b>Efficient Model Based Diagnosis with Maximum Satisfiability</b>	Joao Marques-Silva, Mikolas Janota, Alexey Ignatiev, Antonio Morgado	long	52
7/31/2015	08:30	10:10	Main33	LB3	Satisfiability	Main1149	1149	<b>Literal-Based MCS Extraction</b>	Carlos Mencia, Alessandro Previti, Joao Marques-Silva	short	53
7/31/2015	08:30	10:10	Main33	LB3	Satisfiability	Main1016	1016	<b>An Exact Inference Scheme for MinSAT</b>	Chu-Min Li, Felip Manyà	long	54
7/31/2015	08:30	10:10	KR9	LP	KR Track: Belief revision 2	KR35	35	<b>Trust-Sensitive Belief Revision</b>	Aaron Hunter, Richard Booth	short	73
7/31/2015	08:30	10:10	KR9	LP	KR Track: Belief revision 2	KR135	135	<b>AGM Meets Abstract Argumentation: Expansion and Revision for Dung Frameworks</b>	Ringo Baumann, Gerhard Brewka	short	74
7/31/2015	08:30	10:10	KR9	LP	KR Track: Belief revision 2	KR159	159	<b>Merging in the Horn fragment</b>	Adrian Haret, Stefan Rummele, Stefan Woltran	short	75
7/31/2015	08:30	10:10	KR9	LP	KR Track: Belief revision 2	KR246	246	<b>AGM Revision of Beliefs about Action and Time</b>	Marc Zee, Mehdi Dastani, Dragan Doder, Leendert van der Torre	short	76
7/31/2015	08:30	10:10	KR9	LP	KR Track: Belief revision 2	KR285	285	<b>Belief Revision and Progression of Knowledge Bases in the Epistemic Situation Calculus</b>	Christoph Schwering, Gerhard Lakemeyer, Maurice Pagnucco	long	77
7/31/2015	08:30	10:10	KR9	LP	KR Track: Belief revision 2	KR1322	1322	<b>Kernel Contraction and Base Dependence: A Theoretical Benchmark for Relevance</b>	Mehrdad Oveisi, James Delgrande, Fred Popowich, Francis Jeffrey Pelletier	long	78
7/31/2015	08:30	10:10	KR9	LP	KR Track: Belief revision 2	KR1488	1488	<b>Extending AGM Contraction to Arbitrary Logics</b>	Zhiqiang Zhuang, Zhe Wang, Kewen Wang, James Delgrande	long	79
7/31/2015	08:30	10:10	Main34	R1	AI and Social Sciences	Main565	565	<b>Computer Science on the Move: Inferring Migration Regularities from the Web via Compressed Label Propagation</b>	Fabian Hadiji, Martin Mladenov, Christian Bauckhage, Kristian Kersting	long	30

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7/31/2015	08:30	10:10	Main34	R1	AI and Social Sciences	Main438	438	<b>Emotions in Argumentation: an Empirical Evaluation</b>	Mohamed Sahbi Benlamine, Maher Chaouachi, Serena Villata, Elena Cabrio, Claude Frasson, Fabien Gandon	long	31
7/31/2015	08:30	10:10	Main34	R1	AI and Social Sciences	Main395	395	<b>Parliamentary Voting Procedures: Agenda Control, Manipulation, and Uncertainty</b>	Robert Bredereck, Jiehua Chen, Rolf Niedermeier, Toby Walsh	short	32
7/31/2015	08:30	10:10	Main34	R1	AI and Social Sciences	Main1512	1512	<b>A Deterministic Partition Function Approximation for Exponential Random Graph Models</b>	Wen Pu, Jaesik Choi, Yunseong Hwang, Eyal Amir	short	33
7/31/2015	08:30	10:10	Main34	R1	AI and Social Sciences	Main449	449	<b>Context-Independent Claim Detection for Argumentation Mining</b>	Marco Lippi, Paolo Torroni	short	34
7/31/2015	08:30	10:10	Main34	R1	AI and Social Sciences	Main1357	1357	<b>Semi-Universal Portfolios with Transaction Costs</b>	Dingjiang Huang, Yan Zhu, Bin Li, Shuigeng Zhou, Steven C. H. Hoy	short	35
7/31/2015	08:30	10:10	Main34	R1	AI and Social Sciences	Main1039	1039	<b>Bonus or Not? Learn to Reward in Crowdsourcing</b>	Ming Yin, Yiling Chen	long	36
7/31/2015	08:30	10:10	ML12	R2	ML Track: Deep Learning 2	ML42	42	<b>Gaussian Processes for High-Dimensional Regression: A Method Based on Deep Neural Networks</b>	Wenbing Huang, Deli Zhao, Fuchun Sun, Huaping Liu, Edward Chang	short	15
7/31/2015	08:30	10:10	ML12	R2	ML Track: Deep Learning 2	ML62	62	<b>Deep Linear Coding for Fast Graph Clustering</b>	Ming Shao, Sheng Li, Zhengming Ding, Yun Fu	short	16
7/31/2015	08:30	10:10	ML12	R2	ML Track: Deep Learning 2	ML128	128	<b>Robust Kernel Dictionary Learning using A Whole Sequence Convergent Algorithm</b>	Huaping Liu	long	17
7/31/2015	08:30	10:10	ML12	R2	ML Track: Deep Learning 2	ML246	246	<b>Self-Adaptive Hierarchical Sentence Model</b>	Han Zhao, Zhengdong Lu, Pascal Poupart	short	18
7/31/2015	08:30	10:10	ML12	R2	ML Track: Deep Learning 2	ML313	313	<b>Supervised Representation Learning: Transfer Learning with Deep Autoencoders</b>	Fuzhen Zhuang, Xiaohu Cheng, Ping Luo, Sinno Jialin Pan, Qing He	long	19
7/31/2015	08:30	10:10	ML12	R2	ML Track: Deep Learning 2	ML344	344	<b>Adaptive dropout rates for learning with corrupted features</b>	Jingwei Zhuo, Jun Zhu, Bo Zhang	long	20
7/31/2015	08:30	10:10	ML12	R2	ML Track: Deep Learning 2	ML541	541	<b>A Joint Optimization Framework of Sparse Coding and Discriminative Clustering</b>	Zhangyang Wang, Yingzhen Yang, Shiyu Chang, Jinyan Li, Simon Fong, Thomas Huang	short	21
7/31/2015	08:30	10:10	ML13	R3	ML Track: Kernel Methods	ML13	13	<b>A Graph Kernel based on Jensen-Shannon Representation</b>	Bai Lu, Zhihong Zhang, Chaoyan Wang, Edwin Hancock	short	1
7/31/2015	08:30	10:10	ML13	R3	ML Track: Kernel Methods	ML145	145	<b>Random Feature Mapping with Signed Circulant Matrix Projection</b>	Chang Feng, Shizhong Liao	long	2
7/31/2015	08:30	10:10	ML13	R3	ML Track: Kernel Methods	ML216	216	<b>Graph Invariant Kernels</b>	Francesco Orsini, Paolo Frasconi, Luc de Raedt	long	3
7/31/2015	08:30	10:10	ML13	R3	ML Track: Kernel Methods	ML355	355	<b>Robust Unsupervised Multiple Kernel Learning</b>	Peng Zhou, Liang Du, Yi-Dong Shen	long	4
7/31/2015	08:30	10:10	ML13	R3	ML Track: Kernel Methods	ML401	401	<b>Training-Efficient Feature Map for Shift-Invariant Kernels</b>	Xixian Chen, Haiqin Yang, Irwin King, Michael R. Lyu	short	5
7/31/2015	08:30	10:10	ML13	R3	ML Track: Kernel Methods	ML500	500	<b>Nonparametric Independence Testing for Small Sample Sizes</b>	Aaditya Ramdas, Leila Wehbe	short	6
7/31/2015	08:30	10:10	ML13	R3	ML Track: Kernel Methods	ML625	625	<b>Robust Multiple Kernel K-means</b>	Liang Du, Lei Shi	short	7
7/31/2015	10:10	10:40	Poster9		Coffee and Poster 13						

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7/31/2015	10:40	12:10	CS3	C	CS Track: Game Theory, Learning and Modeling	CS11	11	<b>Aggregate Demand-Based Real-Time Pricing Mechanism for the Smart Grid: A Game-Theoretic Analysis</b>	Sambaran Bandyopadhyay, Ramasuri Narayanam, Ramachandra Kota, Pg Dr Mohammad Iskandarbin Pg Hj Petra, Zainul M Charbiwala	short	67
7/31/2015	10:40	12:10	CS3	C	CS Track: Game Theory, Learning and Modeling	CS13	13	<b>A Personalised Thermal Comfort Model using a Bayesian Network</b>	Frederik Auffenberg, Sebastian Stein, Alex Rogers	long	68
7/31/2015	10:40	12:10	CS3	C	CS Track: Game Theory, Learning and Modeling	CS18	18	<b>Batch Reinforcement Learning for Smart Home Energy Management</b>	Heider Berlink, Anna Costa	short	69
7/31/2015	10:40	12:10	CS3	C	CS Track: Game Theory, Learning and Modeling	CS36	36	<b>A Crowdfunding Model for Green Energy Investment</b>	Ronghuo Zheng, Ying Xu, Nilanjan Chakraborty, Katia Sycara	long	70
7/31/2015	10:40	12:10	CS3	C	CS Track: Game Theory, Learning and Modeling	CS54	54	<b>Abstract Routing Models and Abstractions in the Context of Vehicle Routing</b>	Rene Schonfelder, Martin Leucker	short	71
7/31/2015	10:40	12:10	CS3	C	CS Track: Game Theory, Learning and Modeling	CS84	84	<b>Approximately Stable Pricing for Coordinated Purchasing of Electricity</b>	Andrew Perrault, Craig Boutilier	long	72
7/31/2015	10:40	12:10	ML14	GH	ML Track: Recommendation	ML88	88	<b>Image Feature Learning for Cold Start Problem in Display Advertising</b>	Kaixiang Mo, Bo Liu, Lei Xiao, Yong Li, Jie Jiang	short	88
7/31/2015	10:40	12:10	ML14	GH	ML Track: Recommendation	ML108	108	<b>Ice-Breaking: Mitigating Cold-Start Recommendation Problem by Rating Comparison</b>	Jingwei Xu, Yuan Yao, Hanghang Tong, Xianping Tao, Jian Lu	long	89
7/31/2015	10:40	12:10	ML14	GH	ML Track: Recommendation	ML109	109	<b>A Space Alignment Method for Cold-Start TV Show Recommendations</b>	Shiyu Chang, Jiayu Zhou, Pirooz Chubak, Junling Hu	long	90
7/31/2015	10:40	12:10	ML14	GH	ML Track: Recommendation	ML213	213	<b>Mobile Query Recommendation via Tensor Function Learning</b>	Zhou Zhao, Ruihua Song, Xing Xie, Xiaofei He	long	91
7/31/2015	10:40	12:10	ML14	GH	ML Track: Recommendation	ML352	352	<b>Scalable Maximum Margin Matrix Factorization by Active Riemannian Subspace Search</b>	Yan Yan, Minghui Tan, Ivor W. Tsang, Qinfeng Shi, Yi Yang	long	92
7/31/2015	10:40	12:10	Sist3	LB1	Sister Track: User Modeling	Sist5	5	<b>Examples and tutored problems: adaptive support using assistance scores (from UMAP'14)</b>	Amir Shareghi Najar, Tanja Mitrovic and Bruce McLaren	long	37
7/31/2015	10:40	12:10	Sist3	LB1	Sister Track: User Modeling	Sist12	12	<b>Adapting to User Preference Changes in Interactive Recommendation (from RecSys'14)</b>	Negar Hariri, Bamshad Mobasher and Robin Burke	long	38
7/31/2015	10:40	12:10	Sist3	LB1	Sister Track: User Modeling	Sist13	13	<b>Trust-Guided Behavior Adaptation Using Case-Based Reasoning (from ICCBR'14)</b>	Michael Floyd, Michael Drinkwater and David Aha	long	39
7/31/2015	10:40	12:10	Sist3	LB1	Sister Track: User Modeling	Sist14	14	<b>Matching and Grokking: Approaches to Personalized Crowdsourcing (from HCOMP'14)</b>	Peter Organisciak, Jaime Teevan, Susan Dumais, Robert C. Miller and Adam Tauman Kalai	long	40
7/31/2015	10:40	12:10	Main35	LB2	Web and Knowledge-based Information Systems 2	Main25	25	<b>Distance-Bounded Consistent Query Answering</b>	Andreas Pfandler, Emanuel Sallinger	long	41
7/31/2015	10:40	12:10	Main35	LB2	Web and Knowledge-based Information Systems 2	Main370	370	<b>Online Learning to Rank for Content-Based Image Retrieval</b>	Pengcheng Wu, Steven C. H. Hoi, Peilin Zhao, Ji Wan, Gao Xingyu, Dayong Wang	short	42
7/31/2015	10:40	12:10	Main35	LB2	Web and Knowledge-based Information Systems 2	Main847	847	<b>Raising Expectations in GDA Agents Acting in Dynamic Environments</b>	Dustin Dannenhauer, Hector Munoz-Avila	short	43

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7/31/2015	10:40	12:10	Main35	LB2	Web and Knowledge-based Information Systems 2	Main1520	1520	<b>Determining Expert Research Areas with Multi-instance Learning of Hierarchical Multi-label Classification Model</b>	Tao Wu, Qifan Wang, Zhiwei Zhang, Luo Si	short	44
7/31/2015	10:40	12:10	Main35	LB2	Web and Knowledge-based Information Systems 2	Main1403	1403	<b>Hamming Compatible Quantization for Hashing</b>	Zhe Wang, Ling-Yu Duan, Jie Lin, Xiaofang Wang, Tiejun Huang, Wen Gao	short	45
7/31/2015	10:40	12:10	Main35	LB2	Web and Knowledge-based Information Systems 2	Main616	616	<b>Deep Multimodal Hashing with Orthogonal Regularization</b>	Daixin Wang, Peng Cui, Mingdong Ou, Wenwu Zhu	short	46
7/31/2015	10:40	12:10	Main35	LB2	Web and Knowledge-based Information Systems 2	Main1419	1419	<b>Web Page Classification based on Uncorrelated Semi-supervised Intra-view and Inter-view Manifold Discriminant Feature Extraction</b>	Qian Liu, Jing Xiao-Yuan, Wu Fei, Yangping Zhu	short	47
7/31/2015	10:40	12:10	Main35	LB2	Web and Knowledge-based Information Systems 2	Main945	945	<b>Scalable Graph Hashing with Feature Transformation</b>	Qing-Yuan Jiang, Wu-Jun Li	short	48
7/31/2015	10:40	12:10	Main22	LB3	Planning 6	Main685	685	<b>Integrating Partial Order Reduction and Symmetry Elimination for Cost-Optimal Classical Planning</b>	Martin Wehrle, Malte Helmert, Alexander Shleyfman, Michael Katz	long	55
7/31/2015	10:40	12:10	Main22	LB3	Planning 6	Main160	160	<b>MORRF<sup>L</sup>: Sampling-Based Multi-Objective Motion Planning</b>	Daqing Yi, Michael A Goodrich, Kevin D. Seppi	long	56
7/31/2015	10:40	12:10	Main22	LB3	Planning 6	Main1197	1197	<b>A Privacy Preserving Algorithm for Multi-Agent Planning and Search</b>	Brafman Ronen	short	57
7/31/2015	10:40	12:10	Main22	LB3	Planning 6	Main1050	1050	<b>Simulation-Based Admissible Dominance Pruning</b>	Alvaro Torralba, Joerg Hoffmann	long	58
7/31/2015	10:40	12:10	Main22	LB3	Planning 6	Main1330	1330	<b>Optimal planning with axioms</b>	Franc Ivankovic, Patrik Haslum	long	59
7/31/2015	10:40	12:10	KR10	LP	KR Track: Reasoning about actions and planning	KR129	129	<b>ALLEGRO: Belief-based GOLOG in Stochastic Dynamical Domains</b>	Vaishak Belle, Hector Levesque	short	81
7/31/2015	10:40	12:10	KR10	LP	KR Track: Reasoning about actions and planning	KR184	184	<b>On the Progression of Knowledge and Belief for Nondeterministic Actions in the Situation Calculus</b>	Liangda Fang, Yongmei Liu, Ximing Wen	short	82
7/31/2015	10:40	12:10	KR10	LP	KR Track: Reasoning about actions and planning	KR197	197	<b>Automatic Verification of Partial Correctness of Golog Programs</b>	Naiqi Li, Yongmei Liu	long	83
7/31/2015	10:40	12:10	KR10	LP	KR Track: Reasoning about actions and planning	KR229	229	<b>A Complete Epistemic Planner without Epistemic Closed World Assumption</b>	Rui Yang, Hai Wan, Liangda Fang, Yongmei Liu, Huada Xu	short	84
7/31/2015	10:40	12:10	KR10	LP	KR Track: Reasoning about actions and planning	KR322	322	<b>Policies that Generalize: Solving Many Planning Problems with the Same Controller</b>	Bonet Blai, Hector Geffner	long	85
7/31/2015	10:40	12:10	KR10	LP	KR Track: Reasoning about actions and planning	KR323	323	<b>Towards Fully Observable Non-deterministic Planning as Assumption-based Reactive Synthesis</b>	Nicolas D'Ippolito, Sebastian Sardiña	short	86
7/31/2015	10:40	12:10	KR10	LP	KR Track: Reasoning about actions and planning	KR18	18	<b>On the Undecidability of the Situation Calculus Extended with Description Logic Ontologies</b>	Diego Calvanese, Giuseppe de Giacomo, Mikhail Soutchanski	short	87
7/31/2015	10:40	12:10	Panel2	R1	Panel: Rethinking Turning Test	Panel2			Qiang Yang		
7/31/2015	10:40	12:10	Main38	R2	Agent and Multi-agent Systems 2	Main67	67	<b>Generalizing the single-crossing property on lines and trees to intermediate preferences on median graphs</b>	Adam D. Clearwater, Clemens Puppe, Arkadii Slinko	short	22

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7/31/2015	10:40	12:10	Main38	R2	Agent and Multi-agent Systems 2	Main402	402	<b>Optimal mechanism design for partially rational bidders</b>	Zihe Wang, Pingzhong Tang	long	23
7/31/2015	10:40	12:10	Main38	R2	Agent and Multi-agent Systems 2	Main1589	1589	<b>The Power of Local Manipulation Strategies in Assignment Mechanisms</b>	Timo Mennle, Sven Seuken, Michael Weiss, Basil Philipp	short	24
7/31/2015	10:40	12:10	Main38	R2	Agent and Multi-agent Systems 2	Main300	300	<b>Characterization of Scoring Rules with Distances: Application to the Clustering of Rankings</b>	Paolo Viappiani	short	25
7/31/2015	10:40	12:10	Main38	R2	Agent and Multi-agent Systems 2	Main1316	1316	<b>An Adaptive Computational Model for Personalized Persuasion</b>	Kang Yilin, Ah-Hwee Tan	short	26
7/31/2015	10:40	12:10	Main38	R2	Agent and Multi-agent Systems 2	Main1086	1086	<b>Efficiency and complexity of price competition among single-product vendors</b>	Ioannis Caragiannis, Xenofontas Chatzigeorgiou, Panagiotis Kanellopoulos, George A. Krimpas, Nikos Protopapas, Alexandros A. Voudouris	short	27
7/31/2015	10:40	12:10	Main38	R2	Agent and Multi-agent Systems 2	Main956	956	<b>Strategic Abstention based on Preference Extensions: Positive Results and Computer-Generated Impossibilities</b>	Florian Brandl, Felix Brandt, Christian Geist, Johannes Hofbauer	short	28
7/31/2015	10:40	12:10	Main38	R2	Agent and Multi-agent Systems 2	Main1517	1517	<b>Exchange of Indivisible Objects with Asymmetry</b>	Zhaohong Sun, Hideaki Hata, Taiki Todo, Makoto Yokoo	short	29
7/31/2015	10:40	12:10	ML15	R3	ML Track: Online Learning and Sequential Data 2	ML454	454	<b>An Expectation-Maximization Algorithm to Compute a Stochastic Factorization</b>	Andre Barreto, Rafael L. Beirigo, Joelle Pineau, Doina Precup	short	8
7/31/2015	10:40	12:10	ML15	R3	ML Track: Online Learning and Sequential Data 2	ML325	325	<b>Thompson Sampling for Budgeted Multi-armed Bandit</b>	Yingce Xia, Haifang Li, Tao Qin, Tie-Yan Liu	short	9
7/31/2015	10:40	12:10	ML15	R3	ML Track: Online Learning and Sequential Data 2	ML394	394	<b>Count-Based Frequency Estimation with Bounded Memory</b>	Marc Bellemare	short	10
7/31/2015	10:40	12:10	ML15	R3	ML Track: Online Learning and Sequential Data 2	ML434	434	<b>Bi-parameter Space Partition for Cost-Sensitive SVM</b>	Bin Gu, Victor S. Sheng	short	11
7/31/2015	10:40	12:10	ML15	R3	ML Track: Online Learning and Sequential Data 2	ML559	559	<b>Fast Cross-Validation for Incremental Learning</b>	Pooria Joulani, Andras Gyorgy, Csaba Szepesvari	long	12
7/31/2015	10:40	12:10	ML15	R3	ML Track: Online Learning and Sequential Data 2	ML573	573	<b>Online Robust Low Rank Matrix Recovery</b>	Xiaojie Guo	short	13
7/31/2015	10:40	12:10	ML15	R3	ML Track: Online Learning and Sequential Data 2	ML293	293	<b>A Geometric Theory of Feature Selection and Distance-Based Measures</b>	Kilho Shin, Adrian Pino Angulo	long	14
7/31/2015	12:10	12:30	Poster10		Poster 14						
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7/31/2015	14:00	15:00	Invited7	LB	Invited Talk 7: Steve Chien	Invited7	7	<b>Using Constraint-based Search to Schedule Science Campaigns for the Rosetta Orbiter</b>	Dr. Steve Chien		
7/31/2015	14:00	15:00	Invited8	R	Invited Talk 8: Michael L. Littman	Invited8	8	<b>Programming Agents via Rewards</b>	Michael L. Littman		
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7/31/2015	15:30	16:50	AIA4	C	AI&Arts: Music, Poetry, Visual Arts	AIA17	17	<b>Aesthetic Visual Quality Evaluation of Chinese Handwritings</b>	Rongju Sun, Zhouhui Lian, Yingmin Tang, Jianguo Xiao	long	65
7/31/2015	15:30	16:50	AIA4	C	AI&Arts: Music, Poetry, Visual Arts	AIA37	37	<b>Artificial Intelligence in the Concertgebouw</b>	Andreas Arzt, Harald Frostel, Thassilo Gadermaier, Martin M Gasser, Gerhard Widmer, Maarten Grachten	long	66
7/31/2015	15:30	16:50	AIA4	C	AI&Arts: Music, Poetry, Visual Arts	AIA45	45	<b>Swarm-based Visualisation of Consumption Patterns</b>	Catarina Maçãs, Penousal Machado	long	67
7/31/2015	15:30	16:50	AIA4	C	AI&Arts: Music, Poetry, Visual Arts	AIA53	53	<b>Haiku Generator That Reads Blogs and Illustrates Them with Sounds and Images</b>	Rafal Rzepka, Kenji Araki	long	68
7/31/2015	15:30	16:50	Main32	GH	Natural Language Processing 5	Main529	529	<b>Modeling Quantum Entanglements in Quantum Language Models</b>	Mengjiao Xie, YueXian Hou, Peng Zhang, Jingfei Li, Wenjie Li, Dawei Song	short	85
7/31/2015	15:30	16:50	Main32	GH	Natural Language Processing 5	Main1595	1595	<b>On Conceptual Labeling of a Bag of Words</b>	Xiangyan Sun, Yanghua Xiao, Haixun Wang, Wei Wang	long	86
7/31/2015	15:30	16:50	Main32	GH	Natural Language Processing 5	Main100	100	<b>Linking Heterogeneous Input Features with Pivots for Domain Adaptation</b>	Zhou Guangyou, Zhao Jun, Cai Li	short	87
7/31/2015	15:30	16:50	Main32	GH	Natural Language Processing 5	Main247	247	<b>Positive, Negative, or Neutral: Learning an Expanded Opinion Lexicon from Emoticon-annotated Tweets</b>	Felipe Bravo-Marquez, Eibe Frank, Bernhard Pfahringer	short	88
7/31/2015	15:30	16:50	Main32	GH	Natural Language Processing 5	Main842	842	<b>Incorporating Domain and Sentiment Supervision in Representation Learning for Domain Adaptation</b>	Biao Liu, Minlie Huang	long	89
7/31/2015	15:30	16:50	Main32	GH	Natural Language Processing 5	Main903	903	<b>Target-dependent Twitter Sentiment Classification with Rich Automatic Features</b>	Tin Vo, Yue Zhang	short	90
7/31/2015	15:30	16:50	Main56	LB1	Agent and Multi-agent Systems 3	Main1341	1341	<b>Agile Planning for Real-World Disaster Response</b>	Feng Wu, Sarvapali D. Ramchurn, Wenchao Jiang, Joel Fischer, Tom Rodden, Nick Jennings	long	37
7/31/2015	15:30	16:50	Main56	LB1	Agent and Multi-agent Systems 3	Main1157	1157	<b>Structural Results for Cooperative Decentralized Control Models</b>	Jilles Dibangoye, Olivier Buffet, Olivier Simonin	short	38
7/31/2015	15:30	16:50	Main56	LB1	Agent and Multi-agent Systems 3	Main1308	1308	<b>Towards Applying Interactive Dynamic Influence Diagrams to Real-Time Strategy Games</b>	Ross Conroy, Yifeng Zeng, Marc Cavazza, Yingke Chen	short	39
7/31/2015	15:30	16:50	Main56	LB1	Agent and Multi-agent Systems 3	Main1213	1213	<b>Composing and Verifying Commitment-Based Multiagent Protocols</b>	Matteo Baldoni, Cristina Baroglio, Amit K. Chopra, Munindar P. Singh	long	40
7/31/2015	15:30	16:50	Main56	LB1	Agent and Multi-agent Systems 3	Main1624	1624	<b>Solving the Station Repacking Problem</b>	Alexandre Frechette, Neil Newman, Kevin Leyton-Brown	short	41
7/31/2015	15:30	16:50	Main56	LB1	Agent and Multi-agent Systems 3	Main735	735	<b>Tractable inquiry in information-rich environments</b>	Barbara Dunin-K, Plicz, Alina Strachocka	short	42
7/31/2015	15:30	16:50	Main57	LB2	Planning 7	Main1042	1042	<b>Compiling Away Uncertainty in Strong Temporal Planning with Uncontrollable Durations</b>	Andrea Micheli, Minh Do, David E. Smith	long	47
7/31/2015	15:30	16:50	Main57	LB2	Planning 7	Main1028	1028	<b>Probabilistic Knowledge-Based Programs</b>	Lang Jérôme, Bruno Zanuttini	long	48
7/31/2015	15:30	16:50	Main57	LB2	Planning 7	Main1082	1082	<b>Further Connections between Contract-Scheduling and Ray-Searching Problems</b>	Spyros Angelopoulos	short	49

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7/31/2015	15:30	16:50	Main57	LB2	Planning 7	Main1203	1203	<b>Temporal Planning with Semantic Attachment of Non-Linear Monotonic Continuous Behaviours</b>	Josef Bajada, Maria Fox, Derek Long	long	50
7/31/2015	15:30	16:50	Main57	LB2	Planning 7	Main935	935	<b>Planning for Stochastic Games with Co-safe Objectives</b>	Lei Song, Yuan Feng, Lijun Zhang	short	51
7/31/2015	15:30	16:50	Main58	LB3	Recommender Systems 3	Main288	288	<b>Music Recommenders: User Evaluation Without Real Users?</b>	Susan Crow, Ben Horsburgh, Stewart Massie	long	56
7/31/2015	15:30	16:50	Main58	LB3	Recommender Systems 3	Main249	249	<b>Modeling Users' Dynamic Preference for Personalized Recommendation</b>	Xin Liu	long	57
7/31/2015	15:30	16:50	Main58	LB3	Recommender Systems 3	Main334	334	<b>AdaBPR: A Boosting Algorithm for Item Recommendation with Implicit Feedback</b>	Yong Liu, Peilin Zhao, Aixin Sun, Chunyan Miao	long	58
7/31/2015	15:30	16:50	Main58	LB3	Recommender Systems 3	Main458	458	<b>Building Personal Ad Recommendation Systems for Life-Time Value Optimization with Guarantees</b>	Georgios Theodorou, Philip Thomas, Mohammad Ghavamzadeh	short	59
7/31/2015	15:30	16:50	Main58	LB3	Recommender Systems 3	Main239	239	<b>Recommendation Algorithms for Optimizing Hit Rate, User Satisfaction and Website Revenue</b>	Xin Wang, Yunhui Guo, Congfu Xu	short	60
7/31/2015	15:30	16:50	KR16	LP	KR Track: Argumentation and Reasoning	KR7	7	<b>Modelling the Persuadee in Asymmetric Argumentation Dialogues for Persuasion</b>	Anthony Hunter	long	73
7/31/2015	15:30	16:50	KR16	LP	KR Track: Argumentation and Reasoning	KR85	85	<b>Dealing with Generic Contrariness in Structured Argumentation</b>	Pietro Baroni, Massimiliano Giacomin, Beishui Liao	short	74
7/31/2015	15:30	16:50	KR16	LP	KR Track: Argumentation and Reasoning	KR107	107	<b>Extension Enforcement in Abstract Argumentation as an Optimization Problem</b>	Sylvie Coste-Marquis, Sebastien Konieczny, Jean-Guy Mailly, Pierre Marquis	short	75
7/31/2015	15:30	16:50	KR16	LP	KR Track: Argumentation and Reasoning	KR186	186	<b>Group Decision Making via Weighted Propositional Logic: Complexity and Islands of Tractability</b>	Gianluigi Greco, Jerome Lang	short	76
7/31/2015	15:30	16:50	KR16	LP	KR Track: Argumentation and Reasoning	KR206	206	<b>Realizability of Three-Valued Semantics for Abstract Dialectical Frameworks</b>	Joerg Puehrer	short	77
7/31/2015	15:30	16:50	KR16	LP	KR Track: Argumentation and Reasoning	KR211	211	<b>On the Computational Complexity of Naive-based Semantics for Abstract Dialectical Frameworks</b>	Sarah Gaggl, Sebastian Rudolph, Hannes Strass	short	78
7/31/2015	15:30	16:50	KR16	LP	KR Track: Argumentation and Reasoning	KR292	292	<b>A Top-Down Compiler for Sentential Decision Diagram</b>	Umut Oztok, Adnan Darwiche	short	79
7/31/2015	15:30	16:50	Main59	R1	Knowledge Acquisition	Main1220	1220	<b>AskWorld: Budget-Sensitive Query Evaluation for Knowledge-on-Demand</b>	Mehdi Samadi, Partha Pratim Talukdar, Manuela Veloso, Tom Mitchell	long	20
7/31/2015	15:30	16:50	Main59	R1	Knowledge Acquisition	Main1601	1601	<b>An approach for Improving RDF Data with Formal Concept Analysis</b>	Mehwish Alam, Aleksey Buzmakov, Victor Codocedo, Amedeo Napoli,	long	21
7/31/2015	15:30	16:50	Main59	R1	Knowledge Acquisition	Main422	422	<b>Personalizing Product Rankings using Collaborative Filtering on Opinion-derived Topic Profiles</b>	Claudiu C. Musat, Boi Faltings	long	22
7/31/2015	15:30	16:50	Main59	R1	Knowledge Acquisition	Main867	867	<b>Building Hierarchies of Concepts via Crowdsourcing</b>	Yuyin Sun, Adish Singla, Dieter Fox, Andreas Krause	long	23



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7/31/2015	15:30	16:50	Main60	R2	Main Track: Machine Learning 3	Main1167	1167	<b>Analysis of Sampling Algorithms for Twitter</b>	Deepan Palguna, Vikas Joshi, Venkatesan Chakaravarthy, Ravi Kothari, L. Venkata Subramaniam	long	12
7/31/2015	15:30	16:50	Main60	R2	Main Track: Machine Learning 3	Main1498	1498	<b>Portfolio Choices with Orthogonal Bandit Learning</b>	Weiwei Shen, Jun Wang, Yu-Gang Jiang	long	13
7/31/2015	15:30	16:50	Main60	R2	Main Track: Machine Learning 3	Main1223	1223	<b>Detecting Emotions in Social Media: A Constrained Optimization Approach</b>	Yichen Wang, Aditya Pal	short	14
7/31/2015	15:30	16:50	Main60	R2	Main Track: Machine Learning 3	Main1193	1193	<b>Regression Model Fitting under Differential Privacy and Model Inversion Attack</b>	Yue Wang, Cheng Si, Xintao Wu	short	15
7/31/2015	15:30	16:50	Main60	R2	Main Track: Machine Learning 3	Main181	181	<b>Using a Recursive Neural Network to Learn an Agent's Decision Model for Plan Recognition</b>	Francis Bisson, Hugo Larochelle, Froduald Kabanza	long	16
7/31/2015	15:30	16:50	ML20	R3	ML Track: Graphical Models and Nonparametrics	ML79	79	<b>EntScene: Nonparametric Bayesian Temporal Segmentation of Videos aimed at Entity-driven Scene Detection</b>	Adway Mitra, Chiranjib Bhattacharyya, Soma Biswas	short	1
7/31/2015	15:30	16:50	ML20	R3	ML Track: Graphical Models and Nonparametrics	ML147	147	<b>EigenGP: Gaussian process models with adaptive eigenfunctions</b>	Hao Peng, Yuan Qi	short	2
7/31/2015	15:30	16:50	ML20	R3	ML Track: Graphical Models and Nonparametrics	ML193	193	<b>Regularizing Flat Latent Variables with Hierarchical Topic Structures</b>	Lin Rongcheng, Huayu Li, Xiaojun Quan, Yong Ge	short	3
7/31/2015	15:30	16:50	ML20	R3	ML Track: Graphical Models and Nonparametrics	ML361	361	<b>Data Compression for Learning MRF Parameters</b>	Khaled Refaat, Adnan Darwiche	short	4
7/31/2015	15:30	16:50	ML20	R3	ML Track: Graphical Models and Nonparametrics	ML451	451	<b>Quiet: Faster Belief Propagation for Images and Related Applications</b>	Yasuhiro Fujiwara, Dennis Shasha	short	5
7/31/2015	15:30	16:50	ML20	R3	ML Track: Graphical Models and Nonparametrics	ML713	713	<b>Topic Modeling with Document Relative Similarities</b> Paper subtitle	Jianguang Du, Jing Jiang, Dandan Song, Lejian Liao	short	6
7/31/2015	16:50	17:00	Transition6		Transition						
7/31/2015	17:00	18:00	Jnl4	C	Journal Track: Machine Learning Applications	Journal13	13	<b>Continuous Body and Hand Gesture Recognition for Natural Human-Computer Interaction: Extended Abstract</b>	Yale Song, Randall Davis	long	69
7/31/2015	17:00	18:00	Jnl4	C	Journal Track: Machine Learning Applications	Journal14	14	<b>Algorithm Runtime Prediction: Methods &amp; Evaluation (Extended Abstract)</b>	Frank Hutter, Lin Xu, Holger Hoos, Kevin Leyton-Brown	long	70
7/31/2015	17:00	18:00	Jnl4	C	Journal Track: Machine Learning Applications	Journal15	15	<b>Framing Image Description as a Ranking Task: Data, Models and Evaluation Metrics (Extended Abstract)</b>	Micah Hodosh, Peter Young, Julia Hockenmaier	long	71
7/31/2015	17:00	18:00	Jnl4	C	Journal Track: Machine Learning Applications	Journal16	16	<b>Measuring and Recommending Time-Sensitive Routes from Location-Based Data</b>	Hsun-Ping Hsieh, Cheng-Te Li, Shou-De Lin	long	72
7/31/2015	17:00	18:00	Main37	GH	Planning 8	Main499	499	<b>Mixed Discrete-Continuous Heuristic Generative Planning based on Flow Tubes</b>	Enrique Fernandez-Gonzalez, Erez Karpas, Brian C. Williams	short	93
7/31/2015	17:00	18:00	Main37	GH	Planning 8	Main509	509	<b>Tight Bounds for HTN planning with Task Insertion</b>	Ron Alford, Pascal Bercher, David Aha	long	94

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7/31/2015	17:00	18:00	Main37	GH	Planning 8	Main943	943	<b>On the Effective Configuration of Planning Domain Models</b>	Mauro Vallati, Frank Hutter, Lukas Chrupa, Thomas Leo McCluskey	short	95
7/31/2015	17:00	18:00	Main37	GH	Planning 8	Main1388	1388	<b>Polynomial-Time Reformulations of LTL Temporally Extended Goals into Final-State Goals</b>	Jorge Torres, Jorge A. Baier	short	96
7/31/2015	17:00	18:00	Main37	GH	Planning 8	Main245	245	<b>Exploiting Symmetries by Planning for a Descriptive Quotient</b>	Mohammad Abdulaziz, Charles Gretton, Michael Norrish	short	97
7/31/2015	17:00	18:00	Main72	LB1	Agent and Multi-agent Systems 4	Main828	828	<b>Uncovering Hidden Structure through Parallel Problem Decomposition for the Set Basis Problem: Application to Materials Discovery</b>	Yexiang Xue, Stefano Ermon, Carla P Gomes, Bart Selman	short	43
7/31/2015	17:00	18:00	Main72	LB1	Agent and Multi-agent Systems 4	Main1060	1060	<b>An Expert-Level Card Playing Agent Based on a Variant of Perfect Information Monte Carlo Sampling</b>	Florian Wisser	short	44
7/31/2015	17:00	18:00	Main72	LB1	Agent and Multi-agent Systems 4	Main1025	1025	<b>Tradeoffs between Incentive Mechanisms in Boolean Games</b>	Vadim Levit, Zohar Komarovsky, Tal Grinshpoun, Amnon Meisels	short	45
7/31/2015	17:00	18:00	Main72	LB1	Agent and Multi-agent Systems 4	Main271	271	<b>Environment-driven social force model: LÃ©vy walk pattern in collective behavior</b>	Danyan Lv, Zhaofeng Li, Yichuan Jiang	short	46
7/31/2015	17:00	18:00	Main63	LB2	Main Track: Machine Learning 4	Main248	248	<b>Mobility Profiling for User Verification with Anonymized Location Data</b>	Miao Lin, Hong Cao, Vincent W. Zheng, Kevin C. Chang, Shonali Krishnaswamy	long	52
7/31/2015	17:00	18:00	Main63	LB2	Main Track: Machine Learning 4	Main1581	1581	<b>On the Consistency of AUC Pairwise Optimization</b>	Gao Wei, Zhi-Hua Zhou	short	53
7/31/2015	17:00	18:00	Main63	LB2	Main Track: Machine Learning 4	Main1396	1396	<b>Opportunities or Risks to Reduce Labor Force in Crowdsourcing Translation? Characterizing Cost v.s. Quality in Balance</b>	Rui Yan	long	54
7/31/2015	17:00	18:00	Main63	LB2	Main Track: Machine Learning 4	Main1002	1002	<b>Cognitive Modelling for Predicting Examinee Performance</b>	Runze Wu, Yuping Liu, Qi Liu, Enhong Chen, Yu Su, Zhigang Chen, Guoping Hu	short	55
7/31/2015	17:00	18:00	Main50	LB3	Natural Language Processing 6	Main1233	1233	<b>Active Learning for Coreference Resolution</b>	Mrinmaya Sachan, Eduard Hovy	short	61
7/31/2015	17:00	18:00	Main50	LB3	Natural Language Processing 6	Main980	980	<b>Integrating Importance, Non-redundancy and Coherence Graph-based Extractive Summarization</b>	Daraksha Parveen, Michael Strube	long	62
7/31/2015	17:00	18:00	Main50	LB3	Natural Language Processing 6	Main894	894	<b>Optimizing Sentence Modeling and Selection for Document Summarization</b>	Wenpeng Yin, Yulong Pei	short	63
7/31/2015	17:00	18:00	Main50	LB3	Natural Language Processing 6	Main872	872	<b>Convolutional Neural Tensor Network Architecture for Community-based Question Answering</b>	Xipeng Qiu, Xuanjing Huang	long	64
7/31/2015	17:00	18:00	KR17	LP	KR Track: Temporal and spatial reasoning	KR50	50	<b>Qualitative Reasoning about Directions in Semantic Spaces</b>	Steven Schockaert, Jae Hee Lee	short	81
7/31/2015	17:00	18:00	KR17	LP	KR Track: Temporal and spatial reasoning	KR81	81	<b>An algebra of granular temporal relations</b>	Quentin Cohen-Solal, Maroua Bouzid, Alexandre Niveau	long	82

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7/31/2015	17:00	18:00	KR17	LP	KR Track: Temporal and spatial reasoning	KR114	114	<b>Efficiently Characterizing Non-Redundant Constraints in Large Real World Qualitative Spatial Networks</b>	Michael Sioutis, Sanjiang Li, Jean-Francois Condotta	long	83
7/31/2015	17:00	18:00	KR17	LP	KR Track: Temporal and spatial reasoning	KR287	287	<b>Execution Monitoring as Meta-Games for General Game-Playing Robots</b>	Rajaratnam David, Michael Thielscher	short	84
7/31/2015	17:00	18:00	Main62	R1	Robotics and Vision 3	Main695	695	<b>Intelligent Agent Supporting Human-Multi-Robot Team Collaboration</b>	Rosenfeld Ariel, Noa Agmon, Oleg Maksimov, Amos Azaria, Sarit Kraus	short	24
7/31/2015	17:00	18:00	Main62	R1	Robotics and Vision 3	Main1466	1466	<b>Grounding the Meaning of Words through Vision and Interactive Gameplay</b>	Natalie Parde, Adam Hair, Michalis Papakostas, Konstantinos Tsiakas, Maria Dagioglou, Vangelis Karkaletsis, Rodney Nielsen	long	25
7/31/2015	17:00	18:00	Main62	R1	Robotics and Vision 3	Main861	861	<b>Co-Acquisition of Spatial Language Syntax and Semantics</b>	Michael Spranger, Luc Steels	Long	26
7/31/2015	17:00	18:00	Main62	R1	Robotics and Vision 3	Main727	727	<b>Learning to Interpret Natural Language Commands through Human-Robot Dialog</b>	Thomason Jesse, Shiqi Zhang, Raymond Mooney, Peter Stone	Short	27
7/31/2015	17:00	18:00	Main48	R2	Social Networks 3	Main1073	1073	<b>Maximizing the Coverage of Information Propagation in Social Networks</b>	Zhefeng Wang, Qi Liu, Yu Yang, Yong Ge, Enhong Chen, Biao Chang	long	17
7/31/2015	17:00	18:00	Main48	R2	Social Networks 3	Main213	213	<b>A Scalable Community Detection Algorithm for Large Graphs Using Stochastic Block Models</b>	Chengbin Peng, Zhihua Zhang, Ka-Chun Wong, Xiangliang Zhang, David Keyes	long	18
7/31/2015	17:00	18:00	Main48	R2	Social Networks 3	Main687	687	<b>Network Representation Learning with Rich Text Information</b>	Cheng Yang, Zhiyuan Liu, Deli Zhao, Maosong Sun, Edward Chang	long	19
7/31/2015	17:00	18:00	ML21	R3	ML Track: Relational Learning	ML166	166	<b>Soft Predicate Invention with Structured Sparsity</b>	William Yang Wang, Kathryn Mazaitis, William W. Cohen	short	7
7/31/2015	17:00	18:00	ML21	R3	ML Track: Relational Learning	ML239	239	<b>Identification of Time-Dependent Causal Model: A Gaussian Process Treatment</b>	Biwei Huang, Kun Zhang, Bernhard Scholkopf	short	8
7/31/2015	17:00	18:00	ML21	R3	ML Track: Relational Learning	ML275	275	<b>Learning Regular Languages via Alternating Automata</b>	Dana Angluin, Sarah Eisenstat, Dana Fisman	long	9
7/31/2015	17:00	18:00	ML21	R3	ML Track: Relational Learning	ML466	466	<b>Online Learning of k-CNF Boolean Functions</b>	Joel Veness, Marcus Hutter, Laurent Orseau, Marc Bellemare	short	10
7/31/2015	17:00	18:00	ML21	R3	ML Track: Relational Learning	ML692	692	<b>Learning efficient logical robot strategies involving composable objects</b>	Stephen Muggleton, Andrew Cropper	short	11
7/31/2015	18:00	18:30	Poster16		Poster 16						
7/31/2015	18:30	20:00	ClosingEvent		Closing Event						