

# Main Conference Program

## ECAI 2010 SCHEDULE - MAIN CONFERENCE

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### TUESDAY 17 AUGUST 2010

18:15-18:30 Opening Session (Room 3.2.14)

18:30-19:30 Invited Speaker: Ian Horrocks, Oxford (Room 3.2.14)

19:30-> Welcome reception (Museu da Cidade)

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### WEDNESDAY 18 AUGUST 2010

9:00--10:00 Invited Speaker: Manuela Veloso, CMU (Room 3.2.14)

10:00-10:30 Coffee break

10:30-12:30 Technical Sessions:

- \* SESSION 1A (Room 6.2.53): PROPOSITIONAL LOGIC
- \* SESSION 1B (Room 3.2.14): DESCRIPTION LOGICS & ONTOLOGIES
- \* SESSION 1C (Room 6.2.56): COOPERATION
- \* SESSION 1D (Room 3.2.13): DIAGNOSIS & DISCOVERY
- \* SESSION 1E (Room 6.1.36): ARGUMENTATION & DIALOGUE
- \* SESSION 1F (Room 3.2.16): PAIS SESSION ONE

12:30-14:00 Lunch break

14:00-15:30 Technical Sessions:

- \* SESSION 2A (Room 6.2.53): ROBOTICS & AUTONOMOUS SYSTEMS
- \* SESSION 2B (Room 3.2.14): COALITIONS & TEAMS
- \* SESSION 2C (Room 6.1.36): PLANNING
- \* SESSION 2D (Room 3.2.13): UNCERTAINTY -- BAYESIAN METHODS
- \* SESSION 2E (Room 6.2.56): PREFERENCE MODELLING AND PREFERENCE AGGREGATION
- \* SESSION 2F (Room 3.2.16): PAIS SESSION TWO

15:30-16:00 Coffee break

16:00-18:00 Technical Sessions:

- \* SESSION 3A (Room 6.2.56): CLUSTERING & CLASSIFICATION
- \* SESSION 3B (Room 6.1.36): PLANNING
- \* SESSION 3C (Room 3.2.13): REINFORCEMENT LEARNING
- \* SESSION 3D (Room 6.2.53): NEGOTIATION & ALLOCATION
- \* SESSION 3E (Room 3.2.14): ECCAI DISTINGUISHED DISSERTATION AWARD TALK
- \* SESSION 3F (Room 3.2.16): PAIS SESSION THREE

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### THURSDAY 19 AUGUST 2010

9:00-10:00 Invited Speaker: Judea Pearl, UCLA (Room 3.2.14)

10:00-10:30 Coffee break

10:30-12:30 Technical Sessions:

- \* SESSION 4A (Room 3.2.13): MACHINE LEARNING -- KERNEL METHODS
- \* SESSION 4B (Room 6.1.36): PLANNING
- \* SESSION 4C (Room 3.2.14): DESCRIPTION LOGICS & ONTOLOGIES
- \* SESSION 4D (Room 6.2.56): NATURAL LANGUAGE PROCESSING &

## INFORMATION RETRIEVAL

- \* SESSION 4E (Room 3.2.16): LOGICAL FOUNDATIONS OF MAS
- \* SESSION 4F (Room 6.2.53): AUCTIONS & TRADING SYSTEMS

12:30-14:00 Lunch break

14:00-15:30 Poster Session (Room )

15:30-16:00 Coffee Break

16:00-17:30 Technical Sessions

- \* SESSION 5A (Room 3.2.14): TRUST & RECOMMENDATION
- \* SESSION 5B (Room 6.1.36): BELIEF REVISION, UPDATE, AND MERGING
- \* SESSION 5C (Room 6.2.53): BELIEF-DESIRE-INTENTION ARCHITECTURES
- \* SESSION 5D (Room 6.2.56): APPLICATIONS
- \* SESSION 5E (Room 3.2.13): PROCESSES AND STOCHASTIC MODELS

19:30-> Conference dinner

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FRIDAY 20 AUGUST 2010

9:00--10:00 Invited Speaker: Christos Papadimitriou, Berkeley (Room 3.2.14)

10:00-10:30 Coffee break

10:30-12:30 Technical sessions

- \* SESSION 6A (Room 6.2.53): LOGICAL FOUNDATIONS OF KR
- \* SESSION 6B (Room 6.1.36): SEARCH & HEURISTICS
- \* SESSION 6C (Room 6.2.56): NATURAL LANGUAGE PROCESSING
- \* SESSION 6D (Room 3.2.13): MACHINE LEARNING & DATA MINING
- \* SESSION 6E (Room 3.2.16): CLUSTERING & CLASSIFICATION
- \* SESSION 6F (Room 3.2.14): CONSTRAINTS

12:30-14:00 Lunch

14:00-15:00 Technical sessions:

- \* SESSION 7A (Room 3.2.14): ACTION, TIME, AND CHANGE
- \* SESSION 7B (Room 6.2.56): FOUNDATIONS OF LOGICAL REASONING
- \* SESSION 7C (Room 3.2.13): NEURAL NETS
- \* SESSION 7D (Room 3.2.16): ORIGINS OF LANGUAGE
- \* SESSION 7E (Room 6.2.53): UNCERTAINTY IN AI
- \* SESSION 7F (Room 6.1.36): LOGIC PROGRAMMING & ANSWER SET PROGRAMMING

15:00-> Closing Session (Room 6.1.36 + C6 Atrium)

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SESSION 1A: PROPOSITIONAL LOGIC (Room 6.2.53)

534: Top-Down Algorithms for Constructing Structured DNNF: Theoretical and Practical Implications  
Knot Pipatsrisawat, Adnan Darwiche

577: On the Use of Logical Interactions for Establishing Decomposability  
Knot Pipatsrisawat, Adnan Darwiche

681: On Computing Backbones of Propositional Theories  
Joao Marques-Silva, Mikolas Janota, Ines Lynce

450: Extending Clause Learning DPLL with Parity Reasoning  
Tero Laitinen, Tommi Junttila, Ilkka Niemela

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## SESSION 1B: DESCRIPTION LOGICS &amp; ONTOLOGIES (Room 3.2.14)

611: Complexity of Axiom Pinpointing in the DL-Lite Family of Description Logics  
Rafael Penaloza, Baris Sertkaya

392: Tractable Reasoning with DL-Programs over Datalog-rewritable Description Logics  
Stijn Heymans, Thomas Eiter, Guohui Xiao

168: Enriching EL-Concepts with Greatest Fixpoints  
Carsten Lutz, Robert Piro, Frank Wolter

296: Tableau-based Forgetting in ALC Ontologies  
Zhe Wang, Kewen Wang, Xiaowang Zhang, Rodney Topor

27: Verifying Properties of Infinite Sequences of Description Logic Actions  
Franz Baader, Hongkai Liu, Anees ul Mehdi

## SESSION 1C: COOPERATION (Room 6.2.56)

383: Hybrid Continuous Max-Sum Algorithms for Decentralised Coordination  
Thomas Voice, Ruben Stranders, Alex Rogers, Nicholas R. Jennings

478: BnB-ADOPT+ with Several Soft AC Levels  
Patricia Gutierrez, Pedro Meseguer

552: Optimal Task Migration in Service-Oriented Systems: Algorithms and Mechanisms  
Sebastian Stein, Enrico Gerding, Nicholas R. Jennings

449: Modeling the problem of many hands in organisations  
Tiago de Lima, Lamber Royackers, Frank Dignum

177: Learning better together : the roles of broadcast and forgetness  
Gauvain Bourgne, Henry Soldano, Amal EL Fallah Seghrouchni

## SESSION 1D: DIAGNOSIS &amp; DISCOVERY (Room 3.2.13)

146: Event Model Learning from Complex Videos using ILP  
Krishna Dubba, Anthony Cohn, David Hogg

609: A Decentralised Symbolic Diagnosis Approach  
Anika Schumann, Yannick Pencole, Sylvie Thiebaux

233: Diagnosability Analysis of Discrete Events Systems with Autonomous Components  
Lina Ye, Philippe DAGUE

67: Diagnosing Process Trajectories Under Partially Known Behavior  
Gerhard Friedrich, Wolfgang Mayer, Markus Stumptner

## SESSION 1E: ARGUMENTATION &amp; DIALOGUE (Room 6.1.36)

7: Computation in Extended Argumentation Frameworks  
Paul Dunne, Sanjay Modgil, Trevor Bench-Capon

191: An Argumentation-based Approach to Database Repair  
Emanuel Santos, Joao Pavao Martins, Helena Galhardas

581: A Common Computational Framework for Semiring-based Argumentation Systems  
Stefano Bistarelli, Francesco Santini

56: Behavior-oriented Commitment-based Protocols  
Matteo Baldoni, Cristina Baroglio, Elisa Marengo

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SESSION 2A: ROBOTICS & AUTONOMOUS SYSTEMS (Room 6.2.53)

261: Deep Reasoning in Clarification Dialogues with Mobile Robots  
Cui Jian, Desislava Zhekova, Hui Shi, John Bateman

374: Stream-Based Reasoning Support for Autonomous Systems  
Fredrik Heintz, Jonas Kvarnstrom, Patrick Doherty

238: Variable Level-Of-Detail Motion Planning in Environments with Poorly Predictable Bodies  
Stefan Zickler, Manuela Veloso

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SESSION 2B: COALITIONS & TEAMS (Room 3.2.14)

139: Computational Aspects of Extending Shapley Value to Coalitional Games with Externalities  
Tomasz Michalak, Macin Szamotulski, Dorota Marciniak, Talal Rahwan, Nicholas R. Jennings

556: On the stability of an Optimal Coalition Structure  
Stephane Airiau, Sandip Sen

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SESSION 2C: PLANNING (Room 6.1.36)

660: Planning with Concurrency under Resources and Time Uncertainty  
Eric Beaudry, Froduald Kabanza, Francois Michaud

312: Brothers in Arms? On AI Planning and Cellular Automata  
Joerg Hoffmann, Nazim Fates, Hector Palacios

401: Landmarks in Hierarchical Planning  
Mohamed Elkawagy, Bernd Schattenberg, Susanne Biundo

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SESSION 2D: UNCERTAINTY -- BAYESIAN METHODS (Room 3.2.13)

623: The Necessity of Bounded Treewidth for Efficient Inference in Bayesian Networks  
Johan H.P. Kwisthout, Hans L. Bodlaender, Linda van der Gaag

409: Context-Specific Independence in Directed Relational Probabilistic Models  
Daan Fierens

327: Bayesian Monte Carlo for the Global Optimization of Expensive Functions  
Perry Groot, Adriana Birlutiu, Tom Heskes

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SESSION 2E: PREFERENCE MODELLING AND PREFERENCE AGGREGATION (Room 6.2.56)

197: An Empirical Study of the Manipulability of Single Transferable Voting  
Toby Walsh

314: Dynamic Matching with a Fall-back Option  
Sujit Gujar, David Parkes

490: Learning conditionally lexicographic preference relations  
Richard Booth, Yann Chevaleyre, Jerome Lang, Jerome Mengin, Chattrakul Sombattheera

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**SESSION 3A: CLUSTERING & CLASSIFICATION (Room 6.2.56)**

427: Boosting Clustering by Active Constraint Selection  
Viet-Vu Vu, Nicolas Labroche, Bernadette Bouchon-Meunier

764: A Very Fast Method for Clustering Big Text Datasets  
Frank Lin, William W. Cohen

503: Active Testing Strategy to Predict the Best Classification Algorithm via Sampling and Metalearning  
Rui Leite, Pavel Brazdil

232: Improving Hierarchical Classification with Partial Labels  
Nam Nguyen

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**SESSION 3B: PLANNING (Room 6.1.36)**

705: Implicit Learning of Compiled Macro-Actions for Planning  
M.A.Hakim Newton, John Levine

273: Strengthening Landmark Heuristics via Hitting Sets  
Bonet Blai, Malte Helmert

377: Sound and Complete Landmarks for And/Or Graphs  
Emil Keyder, Silvia Richter, Malte Helmert

587: Iterative Bounding LAO\*  
Hakan Warnquist, Jonas Kvarnstrom, Patrick Doherty

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**SESSION 3C: REINFORCEMENT LEARNING (Room 3.2.13)**

43: Analysis of Inverse Reinforcement Learning with Perturbed Demonstrations  
Francisco Melo, Ricardo Ferreira, Manuel Lopes

45: Case-Based Multiagent Reinforcement Learning: Cases as Heuristics for Selection of Actions  
Reinaldo Bianchi, Ramon Lopez de Mantaras

353: Uncertainty Propagation for Efficient Exploration in Reinforcement Learning  
Alexander Hans, Steffen Udluft

538: The Dynamics of Multi-Agent Reinforcement Learning  
Luke Dickens, Krysia Broda, Alessandra Russo

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**SESSION 3D : NEGOTIATION & ALLOCATION (Room 6.2.53)**

46: An Efficient Procedure for Multi-agent Negotiation with CP-nets  
Minyi Li, Bao Vo, Ryszard Kowalczyk

574: Modelling Multilateral Negotiation in Linear Logic  
Daniele Porello, Ulle Endriss

247: Fair Division under Ordinal Preferences: Computing Envy-Free Allocations of Indivisible Goods  
Sylvain Bouveret, Ulle Endriss, Jerome Lang

148: LP Solvable Models for Multiagent Fair Allocation problems  
Julien Lesca, Patrice Perny

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SESSION 3E : ECCAI DISTINGUISHED DISSERTATION AWARD TALK (Room 3.2.14)

WINNER : Trading Expressivity for Efficiency in Statistical Relational Learning  
Niels Landwehr

HONOURABLE MENTION : Translation-based approaches to Conformant Planning  
Héctor Palacios

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SESSION 4A: MACHINE LEARNING -- KERNEL METHODS (Room 3.2.13)

553: Kernel-Based Hybrid Random Fields for Nonparametric Density Estimation  
Antonino Freno, Edmondo Trentin, Marco Gori

368: Multitask Kernel-based Learning with Logic Constraints  
Michelangelo Diligenti, Marco Gori, Marco Maggini, Leonardo Rigutini, Leonardo Rigutini

707: Kernel Methods for Revealed Preference Analysis  
Sebastien Lahaie

584: Regression Learning with Multiple Noisy Oracles  
Kosta Ristovski, Debasish Das, Vladimir Ouzienko, Yuhong Guo, Zoran Obradovic

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SESSION 4B: PLANNING (Room 6.1.36)

448: Constraint Based Planning with Composable Substate Graphs  
Peter Gregory, Derek Long, Maria Fox

571: Knowledge Compilation Using Interval Automata and Applications to Planning  
Alexandre Niveau, Helene Fargier, Cedric Pralet, Gerard Verfaillie

627: Compiling Uncertainty Away in Non-Deterministic Conformant Planning  
Alexandre Albore, Hector Palacios, Hector Geffner

695: Analyzing Flexible Timeline-based Plans  
Amedeo Cesta, Alberto Finzi, Simone Fratini, Andrea Orlandini, Enrico Tronci

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SESSION 4C: DESCRIPTION LOGICS & ONTOLOGIES (Room 3.2.14)

690: A Unified Framework for Non-standard Reasoning Services in Description Logics  
Simona Colucci, Tommaso Di Noia, Eugenio Di Sciascio, Francesco Donini, Azzurra Ragone

246: Parallel TBox Classification in Description Logics - First Experimental Results  
Mina Aslani, Volker Haarslev

216: Logical Ontology Validation Using an Automatic Theorem Prover  
Tim von der Bruck, Holger Stenzhorn

456: Integrating Bipolar Fuzzy Mathematical Morphology in Description Logics for Spatial Reasoning  
Celine Hudelot, Jamal Atif, Isabelle Bloch

543: Computing Data Semantics of WSDL Specifications via Gradient Boosting  
Alexandros Valarakos, George Vouros

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SESSION 4D: NATURAL LANGUAGE PROCESSING & INFORMATION RETRIEVAL (Room 6.2.56)

614: Opinion Question Answering: Towards a Unified Approach  
Alexandra Balahur, Ester Boldrini, Andres Montoyo, Patricio Martinez-Barco

682: From Bursty Patterns to Bursty Facts: The effectiveness of temporal text mining for news  
Ilija Subasic, Berendt Bettina

761: Extraction of Places Related to Flickr Tags  
Yukino Baba, Fuyuki Ishikawa, Shinichi Honiden

153: Automatic free-text-tagging of online news archives  
Richard Farkas, Berend Gabor, Istvan Hegedus, Andras Karpati, Balazs Krich

680: Learning Aggregation Functions for Expert Search  
Cummins Ronan, Mounia Lalmas, Colm O'Riordan

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SESSION 4E: LOGICAL FOUNDATIONS OF MAS (3.2.16)

112: Parallel Model Checking for Epistemic Logics  
Marta Kwiatkowska, Alessio Lomuscio, Hongyang Qu

279: The Complexity of Epistemic Model Checking: Clock Semantics and Branching Time  
Huang Xiaowei, Ron van der Meyden

494: Higher-Order Coalition Logic  
Valerio Genovese, Guido Boella, Dov Gabbay, Leendert van der Torre

804: Mental State Ascription Using Dynamic Logic  
Michal Sindlar, Mehdi Dastani, John-Jules Meyer

310: Is it Possible to Model Check Resource-Bounded Agents? Part I: (Un)decidability  
Nils Bulling, Berndt Farwer

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SESSION 4F: AUCTIONS & TRADING SYSTEMS (Room 6.2.53)

188: An Equilibrium Analysis of Competing Double Auction Marketplaces using Fictitious Play  
Bing Shi, Enrico Gerding, Perukrishnen Vytelingum, Nicholas R. Jennings

557: Addressing the Exposure Problem of Bidding Agents Using Flexibly Priced Options  
Valentin Robu, Ioannis Vetsikas, Enrico Gerding, Nicholas R. Jennings

136: Designing a Successful Adaptive Agent for TAC Ad Auction  
Meng Chang, Minghua He, Xudong Luo

604: EA<sup>2</sup>: The Winning Strategy for the Inaugural Lemonade Stand Game Tournament  
Adam M. Sykulski, Archie Chapman, Enrique Munoz de Cote, Nicholas R. Jennings

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SESSION 5A: TRUST & RECOMMENDATION (Room 3.2.14)

336: Propagation of Opinions in Structural Graphs  
Nardine Osman, Carles Sierra, Jordi Sabater-Mir

20: Social Recommendation with Interpersonal Influence  
Junming Huang, Jiafeng Guo, Huawei Shen, Kun Yang, Xueqi Cheng

728: Recommendations Over Domain Specific User Graphs  
Makoto Nakatsuji, Yasuhiro Fujiwara, Akimichi Tanaka, Tadasu Uchiyama, Toru Ishida

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**SESSION 5B: BELIEF REVISION, UPDATE, AND MERGING (Room 6.1.36)**

65: Foundations of Tree-like Local Model Updates  
Yan Zhang, Michael Kelly, Yi Zhou

480: The epistemic view of belief merging: can we track the truth?  
Patricia Everaere, Sebastien Konieczny, Pierre Marquis

617: Majority Merging: from Boolean Spaces to Affine Spaces  
Jean-Francois Condotta, Souhila Kaci, Pierre Marquis, Nicolas Schwind

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**SESSION 5C: BELIEF-DESIRE-INTENTION ARCHITECTURES (Room 6.2.53)**

459: Semantics for the Jason Variant of AgentSpeak (Plan Failure and some Internal Actions)  
Rafael Bordini, Jomi Hubner

641: Belief-Goal Relationships in Possibilistic Goal Generation  
Celia da Costa Pereira, Andrea Tettamanzi

293: Predicting Responsiveness of BDI Agent  
Huiliang Zhang

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**SESSION 5D: APPLICATIONS (Room 6.2.56)**

125: Automating Layouts of Sewers in Subdivisions  
Robert Holte, Neil Burch, Jonathan Schaeffer

274: Adaptive Gaussian Process for Short-Term Wind Speed Forecasting  
Xiaoqian Jiang, Bing Dong, Le Xie, Latanya Sweeney

643: Introducing Personality into Team Dynamics  
Rui Prada, Joao Camilo, Maria Augusta S. N. Nunes

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**SESSION 5E: PROCESSES AND STOCHASTIC MODELS (Room 3.2.13)**

768: EP for Efficient Stochastic Control with Obstacles  
Thomas Mensink, Jakob Verbeek, Bert Kappen

544: Constraint-based Controller Synthesis in Non-Deterministic and Partially Observable Domains  
Cedric Pralet, Gerard Verfaillie, Michel Lemaitre, Guillaume Infantes

68: Decision-theoretic Optimal Sampling with Hidden Markov Random Fields  
Regis Sabbadin, Nathalie peyrard

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**SESSION 6A: LOGICAL FOUNDATIONS OF KR (Room 6.2.53)**

579: Metric propositional Neighborhood Logics: Expressiveness, Decidability, and Undecidability  
Davide Bresolin, Dario Della Monica, Valentin Goranko, Angelo Montanari, Guido Sciavicco

30: An Axiom System for a Spatial Logic with Convexity  
Adam Trybus

453: Optimal Tableaux for Conditional Logics with Cautious Monotonicity  
Lutz Schroder, Dirk Pattinson, Daniel Hausmann

715: Linear Logic for Non-Linear Storytelling  
Anne-Gwenn Bosser, Marc Cavazza, Ronan Champagnat



486: ProbLog Technology for Inference in a Probabilistic First Order Logic  
Maurice Bruynooghe, Luc De Raedt, Gerda Janssens, Angelika Kimmig, Theofrastos Mantadelis, Joost Vennekens

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SESSION 6B: SEARCH & HEURISTICS (Room 6.1.36)

97: A note on the complexity of some multiobjective A\* search algorithms  
Lawrence Mandow, Jose\_Luis Perez-de-la-Cruz

732: Contract Search : Heuristic Search under Node Expansion Constraints  
Sandip Aine

561: Fast Local Search for Fuzzy Job Shop Scheduling  
Jorge Puente, Camino R Vela, Ines Gonzalez Rodriguez

619: Stronger Abstractions for the Pancake Problem  
Malte Helmert, Gabriele Roger

124: ISAC -- Instance-Specific Algorithm Configuration  
Serdar Kadioglu, Yuri Malitsky, Meinolf Sellmann, Kevin Tierney

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SESSION 6C: NATURAL LANGUAGE PROCESSING (Room 6.2.56)

435: Using background knowledge to support coreference resolution  
Volha Bryl, Claudio Giuliano, Luciano Serafini, Kateryna Tymoshenko

268: Detecting Ironic Intent in Creative Comparisons  
Tony Veale, Yanfen Hao

328: Cross-Domain Contextualisation of Sentiment Lexicons  
Stefan Gindl, Albert Weichselbraun, Arno Scharl

278: Learning to Author Text with textual CBR  
Ibrahim Adeyanju, Nirmalie Wiratunga, Juan Recio-Garcia, Robert Lothian

380: Classifier Ensemble using Multiobjective Optimization for Named Entity Recognition  
Asif Ekbal, Sriparna Saha

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SESSION 6D: MACHINE LEARNING & DATA MINING (Room 3.2.13)

91: Mining Outliers with Adaptive Cutoff Update and Space Utilization (RACAS)  
Chi-Cheong Szeto, Edward Hung

265: Feature Selection by Approximating the Markov Blanket in a Kernel-Induced Space  
Qiang Lou, Zoran Obradovic

236: Recognising Agent Behaviour During Variable Length Activities  
Rolf Baxter, David Lane

734: Continuous Conditional Random Fields for Regression in Remote Sensing  
Vladan Radosavljevic, Slobodan Vucetic, Zoran Obradovic

111: Combining Local and Global KNN With Cotraining  
Victor Laguna, Alneu Lopes

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SESSION 6E: CLUSTERING & CLASSIFICATION (Room 3.2.16)

811: Multi Grain Sentiment Analysis using Collective Classification  
Shivashankar S, Ravindran B

53: Temporal Relations Learning with a Bootstrapped Cross-document Classifier  
Seyed Abolghasem Mirroshandel, Gholamreza Ghassem-Sani

812: Describing the Result of a Classifier to the End-User: Geometric-based Sensitivity  
Isabelle Alvarez, Sophie Martin, Salma Mesmoudi

215: Soft Nearest Convex Hull Classifier  
Georgi Nalbantov, Evgueni Smirnov

249: Using Domain Knowledge to Guide Lattice-based Complex Data Exploration  
Nizar Messai, Marie-Dominique Devignes, Amedeo Napoli, Malika Smail-Tabbone

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#### SESSION 6F: CONSTRAINTS (Room 3.2.14)

92: Adaptive Branching for Constraint Satisfaction Problems  
Thanasis Balafoutis, Kostas Stergiou

162: Symmetries of Symmetry Breaking Constraints  
George Katsirelos, Toby Walsh

481: Solving Pseudo-Boolean Modular Constraints  
Carlos Ansotegui, Ramon Bejar, Cesar Fernandez, Francesc Guitart, Carles Mateu

470: Learning When to Use Lazy Learning in Constraint Solving  
Ian Gent, Chris Jefferson, Lars Kotthoff, Ian Miguel, Neil Moore, Peter Nightingale, Karen Petrie

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#### SESSION 7A: ACTION, TIME, AND CHANGE (Room 3.2.14)

298: LTL Goal Specifications Revisited  
Patrik Haslum, Andreas Bauer

202: On the Verification of Very Expressive Temporal Properties of Non-terminating Golog Programs  
Jens Classen, Gerhard Lakemeyer

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#### SESSION 7B: FOUNDATIONS OF LOGICAL REASONING (Room 6.2.56)

555: The Complexity of Handling Minimal Solutions in Logic-Based Abduction  
Reinhard Pichler, Stefan Woltran

423: Abduction of distributed theories through local interactions  
Gauvain Bourgne, Nicolas Maudet, Katsumi Inoue

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#### SESSION 7C: NEURAL NETS (Room 3.2.13)

800: A NEAT Way for Evolving Echo State Networks  
Kyriakos Chatzidimitriou, Pericles Mitkas

632: Unsupervised Layer-wise Model Selection in Deep Neural Networks  
Ludovic Arnold, Helene Paugam-Moisy, Michele Sebag

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#### SESSION 7D: ORIGINS OF LANGUAGE (Room 3.2.16)

822: Acquisition of Grammar in Autonomous Artificial Systems  
Kateryna Gerasymova, Michael Spranger

789: Open-ended Grounded Semantics  
Michael Spranger, Martin Loetzsch, Simon Pauw

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SESSION 7E: UNCERTAINTY IN AI (Room 6.2.53)

359: Adaptive Markov Logic Networks: Learning Statistical Relational Models with Dynamic Parameters  
Dominik Jain, Andreas Barthels, Michael Beetz

541: Min-based causal possibilistic networks : Handling interventions and analyzing the possibilistic co  
Karim Tabia, Salem Benferhat

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SESSION 7F: LOGIC PROGRAMMING & ANSWER SET PROGRAMMING (Room 6.1.36)

440: On Testing Answer-Set Programs  
Tomi Janhunnen, Ilkka Niemela, Johannes Oetsch, Joerg Puehrer, Hans Tompits

362: On Semantic Update Operators for Answer-Set Programs  
Martin Slota, Joao Leite

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