

Full Papers Accepted

- 7: Computation in Extended Argumentation Frameworks
Paul Dunne, Sanjay Modgil, Trevor Bench-Capon
- 20: Social Recommendation with Interpersonal Influence
Junming Huang, Jiafeng Guo, Huawei Shen, Kun Yang, Xueqi Cheng
- 27: Verifying Properties of Infinite Sequences of Description Logic Actions
Franz Baader, Hongkai Liu, Anees ul Mehdi
- 30: An Axiom System for a Spatial Logic with Convexity
Adam Trybus
- 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
- 46: An Efficient Procedure for Multi-agent Negotiation with CP-nets
Minyi Li, Bao Vo, Ryszard Kowalczyk
- 53: Temporal Relations Learning with a Bootstrapped Cross-document Classifier
Seyed Abolghasem Mirroshandel, Gholamreza Ghassem-Sani
- 56: Behavior-oriented Commitment-based Protocols
Matteo Baldoni, Cristina Baroglio, Elisa Marengo
- 65: Foundations of Tree-like Local Model Updates
Yan Zhang, Michael Kelly, Yi Zhou
- 67: Diagnosing Process Trajectories Under Partially Known Behavior
Gerhard Friedrich, Wolfgang Mayer, Markus Stumptner
- 68: Decision-theoretic Optimal Sampling with Hidden Markov Random Fields
Regis Sabbadin, Nathalie peyraud
- 91: Mining Outliers with Adaptive Cutoff Update and Space Utilization (RACAS)
Chi-Cheong Szeto, Edward Hung
- 92: Adaptive Branching for Constraint Satisfaction Problems
Thanasis Balafoutis, Kostas Stergiou
- 97: A note on the complexity of some multiobjective A* search algorithms
Lawrence Mandow, José_Luis Pérez-de-la-Cruz
- 111: Combining Local and Global KNN With Cotraining
Víctor Laguna, Alneu Lopes
- 112: Parallel Model Checking for Epistemic Logics
Marta Kwiatkowska, Alessio Lomuscio, Hongyang Qu
- 124: ISAC -- Instance-Specific Algorithm Configuration
Serdar Kadioglu, Yuri Malitsky, Meinolf Sellmann, Kevin Tierney
- 125: Automating Layouts of Sewers in Subdivisions
Neil Burch, Robert Holte, Martin Mueller, David O'Connell, Jonathan Schaeffer
- 136: Designing a Successful Adaptive Agent for TAC Ad Auction
Meng Chang, Minghua He, Xudong Luo
- 139: Computational Aspects of Extending Shapley Value to Coalitional Games with Externalities
Tomasz Michalak, Macin Szamotulski, Dorota Marciniak, Talal Rahwan, Nicholas R. Jennings
- 146: Event Model Learning from Complex Videos using ILP
Krishna Dubba, Anthony Cohn, David Hogg
- 148: LP Solvable Models for Multiagent Fair Allocation problems
Julien Lesca, Patrice Perny
- 153: Automatic free-text-tagging of online news archives
Richárd Farkas, Berend Gabor, István Hegedqs, András Kárpáti, Balázs Krich
- 162: Symmetries of Symmetry Breaking Constraints
George Katsirelos, Toby Walsh
- 168: Enriching EL-Concepts with Greatest Fixpoints
Carsten Lutz, Robert Piro, Frank Wolter
- 177: Learning better together : the roles of broadcast and forgetness
Gauvain Bourgne, Henry Soldano, Amal EL Fallah Seghrouchni
- 188: An Equilibrium Analysis of Competing Double Auction Marketplaces using Fictitious Play
Bing Shi, Enrico Gerding, Perukrishnen Vytelingum, Nicholas R. Jennings
- 191: An Argumentation-based Approach to Database Repair
Emanuel Santos, João Pavão Martins, Helena Galhardas
- 197: An Empirical Study of the Manipulability of Single Transferable Voting
Toby Walsh
- 202: On the Verification of Very Expressive Temporal Properties of Non-terminating Golog Programs
Jens Classen, Gerhard Lakemeyer

- 215: Soft Nearest Convex Hull Classifier
Georgi Nalbantov, Evgueni Smirnov
- 216: Logical Ontology Validation Using an Automatic Theorem Prover
Tim vor der Brück, Holger Stenzhorn
- 232: Improving Hierarchical Classification with Partial Labels
Nam Nguyen
- 233: Diagnosability Analysis of Discrete Events Systems with Autonomous Components
Lina Ye, Philippe DAGUE
- 236: Recognising Agent Behaviour During Variable Length Activities
Rolf Baxter, David Lane
- 238: Variable Level-Of-Detail Motion Planning in Environments with Poorly Predictable Bodies
Stefan Zickler, Manuela Veloso
- 246: Parallel TBox Classification in Description Logics - First Experimental Results
Mina Aslani, Volker Haarslev
- 247: Fair Division under Ordinal Preferences: Computing Envy-Free Allocations of Indivisible Goods
Sylvain Bouveret, Ulle Endriss, Jerome Lang
- 249: Using Domain Knowledge to Guide Lattice-based Complex Data Exploration
Nizar Messai, Marie-Dominique Devignes, Amedeo Napoli, Malika Smail-Tabbone
- 261: Deep Reasoning in Clarification Dialogues with Mobile Robots
Cui Jian, Desislava Zhekova, Hui Shi, John Bateman
- 265: Feature Selection by Approximating the Markov Blanket in a Kernel-Induced Space
Qiang Lou, Zoran Obradovic
- 268: Detecting Ironic Intent in Creative Comparisons
Tony Veale, Yanfen Hao
- 273: Strengthening Landmark Heuristics via Hitting Sets
Blai Bonet, Malte Helmert
- 274: Adaptive Gaussian Process for Short-Term Wind Speed Forecasting
Xiaoqian Jiang, Bing Dong
- 278: Learning to Author Text with textual CBR
Ibrahim Adeyanju, Nirmalie Wiratunga, Juan Recio-Garcia, Robert Lothian
- 279: The Complexity of Epistemic Model Checking: Clock Semantics and Branching Time
Huang Xiaowei, Ron van der Meyden
- 293: Predicting Responsiveness of BDI Agent
Huiliang Zhang
- 296: Tableau-based Forgetting in ALC Ontologies
Zhe Wang, Kewen Wang, Xiaowang Zhang, Rodney Topor
- 298: LTL Goal Specifications Revisited
Patrik Haslum, Andreas Bauer
- 310: Is it Possible to Model Check Resource-Bounded Agents? Part I: (Un)decidability
Nils Bulling, Berndt Farwer
- 312: Brothers in Arms? On AI Planning and Cellular Automata
Joerg Hoffmann, Nazim Fates, Hector Palacios
- 314: Dynamic Matching with a Fall-back Option
Sujit Gujar, David Parkes
- 327: Bayesian Monte Carlo for the Global Optimization of Expensive Functions
Perry Groot, Adriana Birlutiu, Tom Heskes
- 328: Cross-Domain Contextualisation of Sentiment Lexicons
Stefan Gindl, Albert Weichselbraun, Arno Scharl
- 336: Propagation of Opinions in Structural Graphs
Nardine Osman, Carles Sierra, Jordi Sabater-Mir
- 353: Uncertainty Propagation for Efficient Exploration in Reinforcement Learning
Alexander Hans, Steffen Udluft
- 359: Adaptive Markov Logic Networks: Learning Statistical Relational Models with Dynamic Parameters
Dominik Jain, Andreas Barthels, Michael Beetz
- 362: On Semantic Update Operators for Answer-Set Programs
Martin Slota, João Leite
- 368: Multitask Kernel-based Learning with Logic Constraints
Michelangelo Diligenti, Marco Gori, Marco Maggini, Leonardo Rigutini, Leonardo Rigutini
- 374: Stream-Based Reasoning Support for Autonomous Systems
Fredrik Heintz, Jonas Kvarnström, Patrick Doherty
- 377: Sound and Complete Landmarks for And/Or Graphs
Emil Keyder, Silvia Richter, Malte Helmert
- 380: Classifier Ensemble using Multiobjective Optimization for Named Entity Recognition
Asif Ekbal, Sriparna Saha
- 383: Hybrid Continuous Max-Sum Algorithms for Decentralised Coordination

- Thomas Voice, Ruben Stranders, Alex Rogers, Nicholas R. Jennings
- 392: Tractable Reasoning with DL-Programs over Datalog-rewritable Description Logics
Stijn Heymans, Thomas Eiter, Guohui Xiao
 - 401: Landmarks in Hierarchical Planning
Mohamed Elkawagy, Bernd Schattberg, Susanne Biundo
 - 409: Context-Specific Independence in Directed Relational Probabilistic Models
Daan Fierens
 - 423: Abduction of distributed theories through local interactions
Gauvain Bourgne, Nicolas Maudet, Katsumi Inoue
 - 427: Boosting Clustering by Active Constraint Selection
Viet-Vu Vu, Nicolas Labroche, Bernadette Bouchon-Meunier
 - 435: Using background knowledge to support coreference resolution
Volha Bryl, Claudio Giuliano, Luciano Serafini, Kateryna Tymoshenko
 - 440: On Testing Answer-Set Programs
Tomi Janhunen, Ilkka Niemelä, Johannes Oetsch, Joerg Puehrer, Hans Tompits
 - 448: Constraint Based Planning with Composable Substate Graphs
Peter Gregory, Derek Long, Maria Fox
 - 449: Modeling the problem of many hands in organisations
TIAGO DE LIMA, LAMBÈR ROYAKKERS, FRANK DIGNUM
 - 450: Extending Clause Learning DPLL with Parity Reasoning
Tero Laitinen, Tommi Junttila, Ilkka Niemela
 - 453: Optimal Tableaux for Conditional Logics with Cautious Monotonicity
Lutz Schröder, Dirk Pattinson, Daniel Hausmann
 - 456: Integrating Bipolar Fuzzy Mathematical Morphology in Description Logics for Spatial Reasoning
Céline HUDELOT, Jamal Atif, Isabelle Bloch
 - 459: Semantics for the Jason Variant of AgentSpeak (Plan Failure and some Internal Actions)
Rafael Bordini, Jomi Hubner
 - 470: Learning When to Use Lazy Learning in Constraint Solving
Ian Gent, Chris Jefferson, Lars Kotthoff, Ian Miguel, Neil Moore, Peter Nightingale, Karen Petrie
 - 478: BnB-ADOPT+ with Several Soft AC Levels
Patricia Gutierrez, Pedro Meseguer
 - 480: The epistemic view of belief merging: can we track the truth?
Patricia Everaere, Sebastien Konieczny, Pierre Marquis
 - 481: Solving Pseudo-Boolean Modular Constraints
Carlos Ansótegui, Ramón Béjar, Cèsar Fernández, Francesc Guitart, Carles Mateu
 - 486: ProbLog Technology for Inference in a Probabilistic First Order Logic
Maurice Bruynooghe, Luc De Raedt, Gerda Janssens, Angelika Kimmig, Theofrastos Mantadelis, Joost Vennekens
 - 490: Learning conditionally lexicographic preference relations
Richard Booth, Yann Chevaleyre, Jerome Lang, Jerome Mengin, Chattrakul Sombattheera
 - 494: Higher-Order Coalition Logic
Valerio Genovese, Guido Boella, Dov Gabbay, Leendert van der Torre
 - 503: Active Testing Strategy to Predict the Best Classification Algorithm via Sampling and Metalearning
Rui Leite, Pavel Brazdil
 - 534: Top-Down Algorithms for Constructing Structured DNNF: Theoretical and Practical Implications
Knot Pipatsrisawat, Adnan Darwiche
 - 538: The Dynamics of Multi-Agent Reinforcement Learning
Luke Dickens, Krysia Broda, Alessandra Russo
 - 541: Min-based causal possibilistic networks : Handling interventions and analyzing the possibilistic co
Karim Tabia, Salem Benferhat
 - 543: Computing Data Semantics of WSDL Specifications via Gradient Boosting
Alexandros Valarakos, George Vouros
 - 544: Constraint-based Controller Synthesis in Non-Deterministic and Partially Observable Domains
Cedric Pralet, Gérard Verfaillie, Michel Lemaître, Guillaume Infantes
 - 552: Optimal Task Migration in Service-Oriented Systems: Algorithms and Mechanisms
Sebastian Stein, Enrico Gerding, Nicholas R. Jennings
 - 553: Kernel-Based Hybrid Random Fields for Nonparametric Density Estimation
Antonino Freno, Edmondo Trentin, Marco Gori
 - 555: The Complexity of Handling Minimal Solutions in Logic-Based Abduction
Reinhard Pichler, Stefan Woltran
 - 556: On the stability of an Optimal Coalition Structure
Stephane Airiau, Sandip Sen
 - 557: Addressing the Exposure Problem of Bidding Agents Using Flexibly Priced Options
Valentin Robu, Ioannis Vetsikas, Enrico Gerding, Nicholas R. Jennings
 - 561: Fast Local Search for Fuzzy Job Shop Scheduling
Jorge Puente, Camino R Vela, Ines Gonzalez Rodriguez

- 571: Knowledge Compilation Using Interval Automata and Applications to Planning
Alexandre Niveau, H el ene Fargier, C edric Pralet, G erard Verfaillie
- 574: Modelling Multilateral Negotiation in Linear Logic
Daniele Porello, Ulle Endriss
- 577: On the Use of Logical Interactions for Establishing Decomposability
Knot Pipatsrisawat, Adnan Darwiche
- 579: Metric Propositional Neighborhood Logics: Expressiveness, Decidability, and Undecidability
Davide Bresolin, Dario Della Monica, Valentin Goranko, Angelo Montanari, Guido Sciavicco
- 581: A Common Computational Framework for Semiring-based Argumentation Systems
Stefano Bistarelli, Francesco Santini
- 584: Regression Learning with Multiple Noisy Oracles
Kosta Ristovski, Debasish Das, Vladimir Ouzienko, Yuhong Guo, Zoran Obradovic
- 587: Iterative Bounding LAO*
H akan Warnquist, Jonas Kvarnstr om, Patrick Doherty
- 604: EA²: The Winning Strategy for the Inaugural Lemonade Stand Game Tournament
Adam M. Sykulski, Archie Chapman, Enrique Munoz de Cote, Nicholas R. Jennings
- 609: A Decentralised Symbolic Diagnosis Approach
Anika Schumann, Yannick Pencol e, Sylvie Thi ebaux
- 611: Complexity of Axiom Pinpointing in the DL-Lite Family of Description Logics
Rafael Pe alozza, Baris Sertkaya
- 614: Opinion Question Answering: Towards a Unified Approach
Alexandra Balahur, Ester Boldrini, Andr es Montoyo, Patricio Mart inez-Barco
- 617: Majority Merging: from Boolean Spaces to Affine Spaces
Jean-Fran ois Condotta, Souhila Kaci, Pierre Marquis, Nicolas Schwind
- 619: Relative-Order Abstractions for the Pancake Problem
Malte Helmert, Gabriele R oger
- 623: The Necessity of Bounded Treewidth for Efficient Inference in Bayesian Networks
Johan H.P. Kwisthout, Hans L. Bodlaender, Linda van der Gaag
- 627: Compiling Uncertainty Away in Non-Deterministic Conformant Planning
Alexandre Albore, H ector Palacios, Hector Geffner
- 632: Unsupervised Layer-wise Model Selection in Deep Neural Networks
Ludovic Arnold, H el ene Paugam-Moisy, Michele Sebag
- 641: Belief-Goal Relationships in Possibilistic Goal Generation
C elia da Costa Pereira, Andrea Tettamanzi
- 643: Introducing Personality into Team Dynamics
Prada Rui, Samuel Ma, Jo o Camilo
- 660: Planning with Concurrency under Resources and Time Uncertainty
Eric Beaudry, Froduald Kabanza, Francois Michaud
- 680: Learning Aggregation Functions for Expert Search
Cummins Ronan, Mounia Lalmas, Colm O'Riordan
- 681: On Computing Backbones of Propositional Theories
Joao Marques-Silva, Mikolas Janota, Ines Lynce
- 682: From Bursty Patterns to Bursty Facts: The effectiveness of temporal text mining for news
Ilija Subasic, Berendt Bettina
- 690: A Unified Framework for Non-standard Reasoning Services in Description Logics
Simona Colucci, Tommaso Di Noia, Eugenio Di Sciascio, Francesco Donini, Azzurra Ragone
- 695: Analyzing Flexible Timeline-based Plans
Amedeo Cesta, Alberto Finzi, Simone Fratini, Andrea Orlandini, Enrico Tronci
- 705: Implicit Learning of Compiled Macro-Actions for Planning
M.A.Hakim Newton, John Levine
- 707: Kernel Methods for Revealed Preference Analysis
Sebastien Lahaie
- 715: Linear Logic for Non-Linear Storytelling
Anne-Gwenn Bosser, Marc Cavazza, Ronan Champagnat
- 728: Recommendations Over Domain Specific User Graphs
Makoto Nakatsuji, Yasuhiro Fujiwara, Akimichi Tanaka, Tadasu Uchiyama, Toru Ishida
- 732: Contract Search : Heuristic Search under Node Expansion Constraints
Sandip Aine
- 734: Continuous Conditional Random Fields for Regression in Remote Sensing
Vladan Radosavljevic, Slobodan Vucetic, Zoran Obradovic
- 761: Extraction of Places Related to Flickr Tags
Yukino Baba, Fuyuki Ishikawa, Shinichi Honiden
- 764: A Very Fast Method for Clustering Big Text Datasets
Frank Lin, William W. Cohen
- 768: EP for Efficient Stochastic Control with Obstacles

Thomas Mensink, Jakob Verbeek, Bert Kappen

- 789: Open-ended Grounded Semantics

Michael Spranger, Martin Loetzsch, Simon Pauw

- 800: A NEAT Way for Evolving Echo State Networks

Kyriakos Chatzidimitriou, Pericles Mitkas

- 804: Mental State Ascription Using Dynamic Logic

Michal Sindlar, Mehdi Dastani, John-Jules Meyer

- 811: Multi Grain Sentiment Analysis using Collective Classification

Shivashankar S, Ravindran B

- 812: Describing the Result of a Classifier to the End-User: Geometric-based Sensitivity

Isabelle Alvarez, Sophie Martin, Salma Mesmoudi

- 822: Acquisition of Grammar in Autonomous Artificial Systems

Kateryna Gerasymova, Michael Spranger