

Oral presentations - regular papers

9	Kerstin Borggrewe and Jan Scholtes	A Domain-Independent Method for Entity Resolution by determining Textual Similarities with a Support Vector Machine
26	Johan Kwisthout	What can the PGM community contribute to the 'Bayesian Brain' hypothesis?
39	Janis Griebel and Jos Uiterwijk	Combining Combinatorial Game Theory with an alpha-beta Solver for Clobber
49	Joost Batenburg, Leon Helwerda, Walter Kusters and Tim van der Meij	Agents for Mobile Radio Tomography
57	Kolawole Adebayo, Luigi Di Caro, Livio Robaldo and Guido Boella	Textual Inference with Deep Learning Technique
85	Rik van Noord, Florian Kunneman and Antal van den Bosch	Predicting civil unrest by categorizing Dutch Twitter events

Oral presentations - compressed contributions

2	Damien Lejeune and Kurt Driessens	A Data Driven Similarity Measure and Example Mapping Function for General, Unlabelled Data Sets
4	Stéphane Airiau, Elise Bonzon, Ulle Endriss, Nicolas Maudet and Julien Rossit	Rationalisation of Profiles of Abstract Argumentation Frameworks
6	Jieting Luo, John-Jules Meyer and Max Knobbout	Monitoring Opportunism in Multi-Agent Systems
7	Gleb Polevoy, Mathijs de Weerd and Catholijn Jonker	The Game of Reciprocation Habits
10	Laura van der Lubbe, Jan Treur and Willeke van Vught	Modeling Internalizing an Externalizing Behaviour in Autism Spectrum Disorders
13	Romy Blankendaal, Sarah Parinussa and Jan Treur	A Temporal-Causal Modelling Approach to Integrated Contagion and Network Change in Social Networks
15	Rijk Mercur, Frank Dignum and Yoshihisa Kashima	Interventions On Contextualized Decision Making: an Agent Based Simulation Study
17	Qing Chuan Ye, Yingqian Zhang and Rommert Dekker	Fair task allocation in transportation
22	Vincent Jaco Koeman, Koen Victor Hindriks and Catholijn Maria Jonker	Automating Failure Detection in Cognitive Agent Programs
23	Diana Grooters and Henry Prakken	Two Aspects of Relevance in Structured Argumentation: Minimality and Paraconsistency
25	Armon Toubman, Jan Joris Roessingh, Pieter Spronck, Aske Plaat and H. Jaap Van den Herik	Rapid Adaptation of Air Combat Behaviour
34	Joost van Doorn, Daan Odijk, Diederik M. Roijers and Maarten de Rijke	Multi-Objective Optimization for Information Retrieval
35	Georgios Methenitis, Michael Kaisers and Han La Poutré	Incentivizing Intelligent Customer Behavior in Smart-Grids: A Risk-Sharing Tariff & Optimal Strategies
40	Wiebe Van Ranst and Joost Vennekens	An OpenCL implementation of a forward sampling algorithm for CP-logic
41	Pietro Pasotti, M. Birna van Riemsdijk and Catholijn M. Jonker	Habit formation and breaking: a support agent design as an extended mind.
42	Mark Hoogendoorn, Peter Szolovits, Leon Moons and Mattijs Numans	Utilizing uncoded consultation notes from electronic medical records for predictive modeling of colorectal cancer
46	Chris Rozemuller, Koen Hindriks and Mark Neerincx	On the Need for a Coordination Mechanism to Guarantee Task Completion in a Cooperative Team
48	Hilbert Kappen and Hans Ruiz	Adaptive importance sampling for control and inference
50	Ioannis Zisis, Sibilla Di Guida, The Anh Han, Georg Kirchsteiger and Tom Lenaerts	Generosity motivated by acceptance - evolutionary analysis of an anticipation game
52	Friedrich Melchert, Udo Seiffert and Michael Biehl	Functional Representation of Prototypes in LVQ and Relevance Learning
53	Wouter Beek, Stefan Schlobach and Frank Van Harmelen	A Contextualised Semantics for owl:sameAs
55	Stéphan Tulkens, Simon Suster and Walter Daelemans	Using Distributed Representations to Disambiguate Biomedical and Clinical Concepts

58	Siamak Mehrkanoon, Oscar Mauricio Agudelo and Johan A.K. Suykens	Incremental multi-class semi-supervised clustering regularized by Kalman filtering
63	Luis Martinez Vaquero, The Anh Han, Luís Moniz Pereira and Tom Lenaerts	Apology and forgiveness evolve to resolve failures in cooperative agreements
65	Dennis J. N. J. Soemers, Chiara F. Sironi, Torsten Schuster and Mark H. M. Winands	Enhancements for Real-Time Monte-Carlo Tree Search in General Video Game Playing
66	Max Knobbout, Mehdi Dastani and John-Jules Meyer	A Dynamic Logic of Norm Change
70	Harmen de Weerd, Denny Diepgrond and Rineke Verbrugge	Estimating the use of higher-order theory of mind using computational agents
76	Veruska Zamborlini, Rinke Hoekstra, Marcos Da Silveira, Cédric Pruski, Annette Ten Teije and Frank Van Harmelen	Generalizing the Detection of Internal and External Interactions in Clinical Guidelines
79	Decebal Constantin Mocanu, Elena Mocanu, Phuong H. Nguyen, Madeleine Gibescu and Antonio Liotta	A topological insight into restricted Boltzmann machines
81	Peter Bloem and Steven De Rooij	Two problems for sophistication
82	Giovanni Casini and Thomas Meyer	Using Defeasible Information to Obtain Coherence
88	Nicolai Meinshausen, Alain Hauser, Joris Mooij, Jonas Peters, Philip Versteeg and Peter Buhlmann	Methods for causal inference from gene perturbation experiments and validation

Oral presentations - thesis abstracts

33	Muriël Hol and Aysenur Bilgin	A Fuzzy Logic Approach for Anomaly Detection in Energy Consumption Data
38	Franziska Burger, Joost Broekens and Mark A. Neerincx	Agents Sharing Secrets
43	Sophie Van der Woerd and Willem F.G. Haselager	Lack of effort or lack of ability? Robot failures and human perception of agency and responsibility
61	Hossam Mossalam	Multi-objective Deep Reinforcement Learning with Optimistic Linear Support
62	Joris Scharpff, Diederik M. Roijers, Frans Oliehoek, Matthijs T. J. Spaan and Mathijs De Weerd	Conditional Return Policy Search for TI-MMDPs with Sparse Interactions
73	Pepijn van Diepen and Bert Bredeweg	Performance Indicators for Online Geography in Secondary Education
92	Elise van der Pol	Deep Reinforcement Learning for Coordination in Traffic Light Control

Poster presentations - regular papers

3	Shuai Wang	Reasoner-Aid Research: Potentials and Popularity
14	Marten Schutten and Marco Wiering	An Analysis on Better Testing than Training Performances on the Iris Dataset
16	Jonathan Maas, Emmanuel Okafor and Marco Wiering	The Dual Codebook: Combining Bags of Visual Words in Image Classification
20	Yaroslav Shkarupa, Roberts Mencis and Matthia Sabatelli	Offline Character and Word Recognition Through the Use of LSTM Recurrent Neural Networks
28	Joost Vennekens	Solving the Travelling Umpire Problem with Answer Set Programming
37	Tom Jansen and Tobias Kuhn	Extracting Core Claims from Scientific Articles
54	Cesare Bartolini, Lenzini Gabriele and Livio Robaldo	Towards legal compliance by correlating Standards and Laws with a semi-automated methodology
75	Mark van den Bergh, Walter Kusters and Flora Spieksma	Aspects of the cooperative card game Hanabi
93	Estelle Doriot and Jan Broersen	Grades of Responsibility

Poster presentations - compressed contributions

5	Tibor Bosse, Charlotte Gerritsen and Jeroen de Man	An Intelligent System for Aggression De-escalation Training
8	Jan Treur	Network-Oriented Modeling and its Conceptual Foundations
11	Jenny Margarito, Rim Helaoui, Anna M. Bianchi, Francesco Sartor and Alberto G. Bonomi	User-Independent Recognition of Sports Activities From a Single Wrist-Worn Accelerometer: A Template-Matching-Based Approach
12	Thomas M. Moerland, Joost Broekens and Catholijn M. Jonker	Hope and Fear in Reinforcement Learning Agents: Extended Abstract
18	Daniel Formolo and Tibor Bosse	A Conversational Agent that Reacts to Vocal Signals
24	Shuai Wang	ProofCloud: A Proof Retrieval Engine for Verified Proofs in Higher Order Logic
29	Christiaan Leysen, Mathias Verbeke, Pierre Dagnely and Wannes Meert	Energy consumption profiling using Gaussian Processes
36	Klara Pigmans, Huib Aldewereld, Neelke Doorn and Virginia Dignum	The Role of Values
44	Evert Haasdijk	Combining Conflicting Environmental and Task Requirements in Evolutionary Robotics
45	Bart Verheij, Floris Bex, Sjoerd T. Timmer, Charlotte S. Vlek, John-Jules Ch. Meyer, Sijla Renooij and Henry Prakken	Arguments, Scenarios and Probabilities: Connections between Three Normative Frameworks for Evidential Reasoning
47	Qing Hu, Zhisheng Huang, Annette Ten Teije and Frank Van Harmelen	A Topic-centric Approach to Detecting New Evidences for Evidence-based Medical Guidelines
56	Filip Ilievski, Wouter Beek, Marieke Van Erp, Laurens Rietveld and Stefan Schlobach	LOTUS: Adaptive Search for Big Linked Data
71	Ward van Breda, Johnno Pastor, Mark Hoogendoorn, Jeroen Ruwaard, Joost Asselbergs and Heleen Riper	Exploring and Comparing Machine Learning Approaches for Predicting Mood over Time
72	Lenin Medeiros and Tibor Bosse	(Extended Abstract) Empirical Analysis of Social Support Provided via Social Media
83	Chao Zhang, Arlette van Wissen, Daniël Lakens, Joaquin Vanschoren, Boris de Ruyter and Wijnand Ijsselstein	Anticipating Habit Formation: A Psychological Computing Approach to Behavior Change Support

Poster presentations - thesis abstracts

51	Paul Verhaar and Maya Sappelli	Radical Reddits - Into the mind of online Radicalised Communities
67	Floris Den Hengst and Mark Hoogendoorn	Detecting Interesting Outliers
78	Anouk Visser	Content-Aware Image Resizing to improve the Object Detection rate in Aerial Imagery

Demonstrations

21	María Dolores Sánchez-García, José Del Sagrado, Antonio Salmerón and Rafael Rumí	PGMs4SDA: a public repository for Probabilistic Graphical Models
27	Laura Hollink and Adriatik Bedjeti	ION Demonstrator: an interactive exploration of a multimodal news corpus
30	Tessel Bogaard, Jan Wielemaker, Laura Hollink and Jacco van Ossenbruggen	SWISH DataLab: a web interface for data exploration and analysis
31	Koen Hindriks, Joost Broekens and Joachim De Greeff	RoboTutor: A Robotic Teaching Assistant
32	Katrien Beuls, Paul Van Eecke and Luc Steels	A Library of Meta-Level Diagnostics and Repairs for Fluid Construction Grammar
69	Shuai Wang, Steve Tonneau and Nicolas Mansard	Multi-agent Multi-contact Path Planning with HPP
74	Caitlin Lagrand, Patrick M. de Kok, Sébastien Negrijn, Michiel van der Meer and Arnoud Visser	Autonomous robot soccer matches
84	Arlette Van Wissen, Annerieke Heuvelink, Cliff Laschet and Charlotte Vinkers	Dynamic, context-aware behavior change support using distributed reasoning and central processing

86 Benjamin Timmermans, Zoltán Szilávik and Robert-Jan Sips

87 Elise van der Pol and Frans A. Oliehoek

94 Quincy Dalh, Can Lokman and Kishan Nirghin

Crowdsourcing ground truth data for analysing brainstem tumors in children

Video Demo: Deep Reinforcement Learning for Coordination in Traffic Light Control

Tinkr