

The RoHOW workshop takes place in the Dülfer Saal and the program can be found under <http://ki2015.computational-logic.org/schedule/schedule-monday.html>

The other talks will take place in the building of the Fakultät Informatik, Nöthnitzer Strasse 46.

8:50 - 10:00	PRINF room APB/E06	QSTR room APB/E07
	Welcome (starts at 9:00, 10 minutes)	Opening the workshop (10 minutes)
	Invited Talk	Invited Talk
	Krishna Gummadi (MPI-SWS)	Ivo Duentsch <i>Boolean Contact Algebras - Structure and Representation</i>
BREAK		
10:20 - 11:45	PRINF room APB/E06	QSTR room APB/E07
	Javier Parra-Arnau and Claude Castelluccia <i>Dataveillance and the False-Positive Paradox</i>	Leif Sabellek and Thomas Schneider <i>A Note on Algebraic Closure and Closure under Constraints</i>
	Michael Backes, Pascal Berrang and Praveen Manoharan <i>How well do you blend into the crowd?</i>	Peter Jonsson and Victor Lagerkvist <i>Upper and Lower Bounds on the Time Complexity of Infinite-domain CSPs</i>
	Maurizio Naldi and Giuseppe D'Acquisto <i>Option Contracts for a Privacy-aware Market</i>	Johannes Greiner <i>A Polynomial Time Algorithm for Set Constraints with Cardinality Inequalities</i>
	BREAK (11:20 - 11:40)	
11:40 - 12:30	PRINF room APB/E06	
	Giuseppe D'Acquisto <i>Policies for a Fair Re-use of Data: Big Data and the Application of Anonymization Techniques</i>	
	Oliver Günther, Thorsten Strufe and Ulf Brefeld <i>User Privacy across Social Networks</i>	
LUNCH BREAK		
14:30 - 15:40	PRINF room APB/E06	QSTR (starts at 14:45) room APB/E07
	Sebastian Pape, Jetzabel Serna-Olvera and Welderufael Tesfay <i>Why Open Data May Threaten Your Privacy</i>	Frank Dylla, Jan Oliver Wallgrün and Jasper van de Ven <i>Merging Qualitative Information: Rationality and Complexity</i>
	Joshua Juen and Nikita Borisov <i>Privacy Aware Feature Selection</i>	Florian Muth <i>AND/OR Linear Programming for Qualitative Spatial Reasoning</i>
	Wrap up & Discussion	
	BREAK	
16:00 - 17:00	QSTR room APB/E07	
	Invited Talk	
	Matthias Westphal <i>Qualitative Constraint-based Reasoning: Methods and Tools</i> Discussion & Closing	

The RoHOW workshop takes place in the Dülfer Saal and the program can be found under <http://ki2015.computational-logic.org/schedule/schedule-tuesday.html>

The other talks will take place in the building of the Fakultät Informatik, Nöthnitzer Strasse 46.

The HIDESt workshop takes place in APB/E08 and the program can be found under <http://ki2015.computational-logic.org/schedule/schedule-tuesday.html>

14:30 - 15:30	PUK room APB/2101
	Start of the workshop <div style="text-align: center;">Invited Talk</div>
	Robert Mattmüller <i>Delete Relaxations for Planning with State-Dependent Action Costs</i> Michael Barry and Rene Schumann <i>Dynamic and Configurable Mathematical Modelling of a Hydropower Plan</i>
BREAK	
16:00 - 19:00	PUK room APB/2101
	Stefan Edelkamp, Christoph Greulich, Mihai Pomarlan, Sarah Rashidian and Erion Plaku <i>Solving Multi-Goal, Multi-Group, and Inspection Problems via Traveling Salesman Tours</i>
	Jürgen Sauer <i>Scheduling Regarding Energy Efficiency</i> Silvan Sievers et al. <i>Abstraction, Symmetries & Portfolios for Cost-Optimal Planning!?</i>
18 - 20:00	Reception William
	<i>Address: Theaterstraße 2, 01067 Dresden</i>

The following talks will take place in the building of the Fakultät Informatik, Nöthnitzer Strasse 46.

9.00 - 10:00	Session 1 room APB/E2026
	Yifan Yang, Jamal Atif and Isabelle Bloch <i>Abductive Reasoning using Tableau Method for High-level Image Interpretation</i>
	Mirco Josefiok and Jürgen Sauer <i>Towards an Expert System for the Field of Neurology based on Fuzzy Logic</i>
BREAK	
10.20 - 11:20	Session 2 room APB/E2026
	Madhura Thosar <i>Rock, Paper, Scissor: What Can I Use In Place of a Hammer?</i>
	Mentoring session with coffee (as long as needed; planned is 30-60 minutes)
BREAK	

The following talks will take place in the building of the Fakultät Informatik, Nöthnitzer Strasse 46.

09.00 - 10:00

DKB & KIK room APB/E05

Daan Apeldoorn
Learning Rules for Cooperative Solving of Spatio-Temporal Problems
Paul Thorn, Christian Eichhorn, Gabriele Kern-Isberner and Gerhard Schurz
Qualitative Probabilistic Inference with Default Inheritance

NCI room APB/E06

V. Kulikov
Framework Theory - A Theory of Cognitive Semantics
S. Thill
Embodied Neuro-cognitive Integration

WLP room APB/E07

Dietmar Seipel
Knowledge Engineering for Hybrid Deductive Databases
Stefan Brass and Heike Stephan
Bottom-Up Evaluation of Datalog: Preliminary Report
Asmaa Afeefi
Planning Problems and Fixpoint Semantics

BREAK

10:20 - 11:20

DKB & KIK room APB/E05

Haythem Ismail and Nourhan Ehab
Algebraic Semantics for Graded Propositions
Massimiliano Giacomin, Thomas Linsbichler and Stefan Woltran
On the Functional Completeness of Argumentation Semantics

NCI room APB/E06

D. Porello, M. Cristani and R. Ferrari
Integrating Ontologies and Computer Vision for Classification of Objects in Images
F. van der Velde and M. de Kamps
Ambiguity Resolution in a Neural Blackboard Architecture for Sentence Structure

WLP room APB/E07

Adrian Rebola Pardo
Refutationally Complete Hierarchic Theorem Proving with Definitions
Maged Shalaby, Slim Abdennadher, Nada Sharaf and Ghada Fakhry
Learning Instance-Level Constraints in Folksonomies for Semi-supervised Clustering using CHR
Marija Kulas
A Practical view on Renaming

BREAK

11:40 - 12:00

DKB & KIK room APB/E05

Bora Kumova
Approximate Reasoning with Fuzzy-Syllogistic Systems

NCI room APB/E06

WLP room APB/E07

Sergio Antoy and Michael Hanus
Default Rules in Functional Logic Programs

12:00 - 13:00

Invited Talk (joint session with NCI@KI2015) room APB/E05

Herbert Jaeger
Shaping the Dynamics of Recurrent Neural Networks by Conceptors

WLP room APB/E07

GLP-meeting

LUNCH BREAK

14:30 - 15:40

Invited Talk (joint session with NCI@KI2015 and WLP 2015) room APB/1004

Steffen Hölldobler
Human Reasoning, Logic Programs, and Connectionist Systems
Closing

18:00 - 20:00

Reception **William**

Address: Theaterstraße 2, 01067 Dresden

Conference Program

Wednesday, September 23, 2015

08:45 - 10:15	Opening (15 minutes)	room APB/E023
Keynote		
Francesca Rossi <i>Safety Constraints and Ethical Principles in Collective Decision Making Systems</i>		
BREAK		
10:45 - 12:25	Session 1	room APB/E023
Silvan Sievers, Martin Wehrle, Malte Helmert and Michael Katz <i>An Empirical Case Study on Symmetry Handling in Cost-Optimal Planning as Heuristic Search</i>		
Diedrich Wolter and Arne Kreutzmann <i>Analogical Representation of RCC-8 for Neighborhood-Based Qualitative Spatial Reasoning</i>		
Konstantin Yakovlev, Egor Baskin and Ivan Hramoin <i>Grid-based Angle-constrained Path Planning</i>		
Stefan Edelkamp and Paul Wichern <i>Packing Irregular-Shaped Objects for 3D Printing</i>		
Sebastian Stock, Masoumeh Mansouri, Federico Pecora and Joachim Hertzberg <i>Hierarchical Hybrid Planning in a Mobile Service Robot</i>		
LUNCH BREAK		
14:00 - 15:40	Session 2	room APB/E023
Maximilian Jenders, Thorben Lindhauer, Gjergji Kasneci, Ralf Krestel and Felix Naumann <i>A Serendipity Model For News Recommendation</i>		
Ann-Katrin Becker, Jochen Sprickerhof, Martin Günther and Joachim Hertzberg <i>Abducing Hypotheses about Past Events from Observed Environment Changes</i>		
Stefan Oehmcke, Oliver Zielinski and Oliver Kramer <i>Event Detection in Marine Time Series Data</i>		
Justin Heinermann and Oliver Kramer <i>Short-Term Wind Power Prediction with Combination of Speed and Power Time Series</i>		
BREAK		
16:00 - 17:00	Session 3	room APB/E023
Marc Finthammer and Christoph Beierle <i>Towards a More Efficient Computation of Weighted Conditional Impacts for Relational Probabilistic Knowledge Bases under Maximum Entropy Semantics</i>		
Christoph Beierle, Florian Brons and Nico Potyka <i>A Software System Using a SAT Solver for Reasoning Under Complete, Stable, Preferred, and Grounded Argumentation Semantics</i>		
Kinzang Chhogyal, Abhaya Nayak and Abdul Sattar <i>On the KL Divergence of Probability Mixtures for Belief Contraction</i>		
17:40	GI KI Fachgruppenmeeting	room APB/E023

Conference Program

Thursday, September 24, 2015

09:00 - 10:15	Keynote Molham Aref <i>Declarative Probabilistic Programming</i>	room APB/E023
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BREAK

10:45 - 12:25	Session 4 Markus Schneider, Wolfgang Ertel and Guenther Palm <i>Kernel Feature Maps from Arbitrary Distance Metrics</i> Tim Vor der Brück and Steffen Eger <i>Deriving a Primal Form for the Quadratic Power Kernel</i> Lisa Posch, Arnim Bleier, Philipp Schaer and Markus Strohmaier <i>The Polylingual Labeled Topic Model</i> Myriam Bounhas, Henri Prade and Gilles Richard <i>Oddness-based Classifiers for Boolean or Numerical Data</i> Affan Pervez and Dongheui Lee <i>A Componentwise Simulated Annealing EM Algorithm for Mixtures</i>	room APB/E023
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LUNCH BREAK

14:00 - 14:30	Industry Talk (30 minutes) Roland Judas (Arago) <i>Welcome Smart Machines. Please don't fire us!</i>	room APB/E023
	Poster Session	Foyer

BREAK

16:00 - 17:00	Session 5 Richard Cubek, Wolfgang Ertel and Günther Palm <i>A Critical Review on the Symbol Grounding Problem as an Issue of Autonomous Agents</i> Raïssa Yapan Dougnon, Philippe Fournier-Viger, Jerry Chun-Wei Lin and Roger Nkambou <i>Accurate Online Social Network User Profiling</i> Takumi Toyama and Daniel Sonntag <i>Towards Episodic Memory Support for Dementia Patients by Recognizing Objects, Faces and Text in Eye Gaze</i>	room APB/E023
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18:30	Dinner	Schloss Eckberg
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Conference Program

Friday, September 25, 2015

09:00 - 10:15	Keynote	room APB/E023
	Ross D. King <i>Automating Chemistry and Biology using Robot Scientists</i>	
BREAK		
10:45 - 12:25	Session 6	room APB/E023
	Silvan Sievers and Malte Helmert <i>A Doppelkopf Player Based on UCT</i>	
	Moritz Göbelbecker <i>Assisting With Goal Formulation for Domain Independent Planning</i>	
	David Speck, Manuela Ortlieb and Robert Mattmüller <i>Necessary Observations in Nondeterministic Planning</i>	
	Johannes Aldinger, Robert Mattmüller and Moritz Göbelbecker <i>Complexity of Interval Relaxed Numeric Planning</i>	
	Shashank Shekhar and Deepak Khemani <i>Improving Heuristics On-the-fly for Effective Search in Plan Space</i>	
LUNCH BREAK		
14:00 - 15:00	Session 7	room APB/E023
	M. Fareed Arif, Carlos Mencia and Joao Marques-Silva <i>Efficient Axiom Pinpointing with EL2MCS</i>	
	Francesco Kriegel <i>Axiomatization of General Concept Inclusions in Probabilistic Description Logics</i>	
	Shasha Feng, Michel Ludwig and Dirk Walther <i>Deciding Subsumers of Least Fixpoint Concepts w.r.t. General EL-TBoxes</i>	
15:00	Farewell	Foyer