

LPAR-17 Program

Revision of Oct. 8 2010



Monday, October 11

8.50 – 9.00	OPENING
	<u>Chair: Andrei Voronkov</u>
9.00 – 9.50	INVITED TALK Krishnendu Chatterjee: <i>The Complexity of Partial-Observation Parity Games</i>
9.50 – 10.15	Thomas A. Henzinger, Thibaud Hottelier, Laura Kovács, Andrey Rybalchenko: <i>Alligators for Arrays</i>
10.15 – 10.40	Michael Codish, Carsten Fuhs, Jürgen Giesl, Peter Schneider-Kamp: <i>Lazy Abstraction for Size-Change Termination</i>
10.40 – 11.10	COFFEE BREAK
	<u>Chair: Gert Smolka</u>
11.10 – 11.35	Tino Teige, Martin Fränzle: <i>Resolution for Stochastic Boolean Satisfiability</i>
11.35 – 12.00	Franz Baader, Barbara Morawska: <i>SAT Encoding of Unification in \mathcal{EL}</i>
12.00 – 12.25	Norbert Manthey, Steffen Hölldobler, Ari Saptawijaya: <i>Improving Resource-Unaware SAT Solvers</i>
12.30 – 14.00	LUNCH
	<u>Chair: Steffen Hölldobler</u>
14.00 – 14.25	Mutsunori Banbara, Haruki Matsunaka, Naoyuki Tamura, Katsumi Inoue: <i>Generating Combinatorial Test Cases by Efficient SAT Encodings Suitable for CDCL SAT Solvers</i>
14.25 – 14.50	Antti Hyvärinen, Tommi Junttila, Ilkka Niemelä: <i>Partitioning SAT Instances for Distributed Solving</i>
14.50 – 15.20	3 SHORT PAPERS Uwe Pfeiffer, Tomas Karnagel, Guido Scheffler: <i>A Sudoku-Solver for Large Puzzles using SAT</i> Matthias Baaz, Oliver Fasching: <i>Gödel logics with an operator shifting truth value</i> Hannes Strass, Michael Thielscher: <i>Default Reasoning in Action Domains with Conditional, Non-Local Effect Actions</i>
15.20 – 16.00	COFFEE BREAK
	<u>Chair: Eugenia Ternovska</u>
16.00 – 16.25	Claire David, Leonid Libkin, Tony Tan: <i>On the Satisfiability of Two-Variable Logic over Data Words</i>
16.25 – 16.50	Kaustuv Chaudhuri: <i>Magically Constraining the Inverse Method with Dynamic Polarity Assignment</i>
16.50 – 17.15	Marijn Heule, Matti Järvisalo, Armin Biere: <i>Clause Elimination Procedures for CNF Formulas</i>
17.15 – 17.25	Marijn Heule, Matti Järvisalo, Armin Biere: <i>Covered Clause Elimination (SHORT PAPER)</i>

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Tuesday, October 12

	<u>Chair: Chris Fermüller</u>
9.00 – 9.50	INVITED TALK Joseph Y. Halpern: <i>Awareness in Logic, Awareness in Games</i>
9.50 – 10.15	Franz Baader, Marcel Lippmann, Hongkai Liu: <i>Using Causal Relationships to Deal with the Ramification Problem in Action Formalisms Based on Description Logics</i>
10.15 – 10.40	Jean Marie Lagniez, Gilles Audemard, Bertrand Mazure, Lakhdar Saïs: <i>Boosting Local Search Thanks to CDCL</i>
10.40 – 11.10	COFFEE BREAK
	<u>Chair: Jasmin Blanchette</u>
11.10 – 11.35	Roland Axelsson, Matthew Hague, Stephan Kreutzer, Martin Lange, Markus Latte: <i>Extended Computation Tree Logic</i>
11.35 – 12.00	Yuxin Deng, Rob van Glabbeek: <i>Characterising Probabilistic Processes Logically</i>
12.00 – 12.25	Antonina Kolokolova, Yongmei Liu, David Mitchell, Eugenia Ternovska: <i>On the Complexity of Model Expansion</i>
12.30 – 14.00	LUNCH
	<u>Chair: Michel Parigot</u>
14.00 – 14.25	Andreas Reuß, Helmut Seidl: <i>Bottom-Up Tree Automata with Term Constraints</i>
14.25 – 14.50	Jasmin Christian Blanchette, Koen Claessen: <i>Generating Counterexamples for Structural Inductions by Exploiting Nonstandard Models</i>
14.50 – 15.30	4 SHORT PAPERS Jasmin Christian Blanchette: <i>Nitpick: A Counterexample Generator for Isabelle/HOL Based on the Relational Model Finder Kodkod</i> Sara L. Uckelman, Jesse Alama: <i>Playing Lorenzen Dialogue Games on the Web</i> Sara L. Uckelman, Jesse Alama: <i>Proof rules for the dialogical logic N</i> Beishui Liao, Li Jin, Robert Koons: <i>Dynamics of Argumentation Systems: A Basic Theory</i>
15.30 – 16.00	COFFEE BREAK
	<u>Chair: Georg Moser</u>
16.00 – 16.25	Jean-Pierre Jouannaud, Benjamin Monate: <i>Infinite Families of Finite String Rewriting Systems and Their Confluence</i>
16.25 – 16.50	Camilo Rocha, José Meseguer: <i>Constructors, Sufficient Completeness, and Deadlock Freedom of Rewrite Theories</i>
16.50 – 17.15	Dejan Jovanović, Clark Barrett: <i>Polite Theories Revisited</i>

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Wednesday, October 13

On Wednesday there will be the excursion to Borobodur, Prambanan, and more, followed by dinner at the Joyokusomo Prince House. See http://www.computational-logic.org/lpar-17/Social_Events.html.

7.30	Departure for the excursion from the lobby of the Hyatt Regency Hotel
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Thursday, October 14

	<u>Chair: Mike Codish</u>
9.00 – 9.50	INVITED TALK Michael J. Maher: <i>Human and Unhuman Commonsense Reasoning</i>
9.50 – 10.15	Régis Alenda, Nicola Olivetti: <i>Tableau Calculus for the Logic of Comparative Similarity over Arbitrary Distance spaces</i>
10.15 – 10.40	Shahab Tasharrofi, Eugenia Ternovska: <i>PBINT, a Logic for Modelling Search Problems Involving Arithmetic</i>
10.40 – 11.10	COFFEE BREAK
	<u>Chair: Jean-Pierre Jouannaud</u>
11.10 – 11.35	Friedrich Neurauter, Harald Zankl, Aart Middeldorp: <i>Revisiting Matrix Interpretations for Polynomial Derivational Complexity of Term Rewriting</i>
11.35 – 12.00	Guillaume Bonfante, Georg Moser: <i>Characterising Space Complexity Classes via Knuth-Bendix Orders</i>
12.00 – 12.25	Konstantin Korovin, Christoph Stickse: <i>Labelled Unit Superposition Calculi for Instantiation-based Reasoning</i>
12.30 – 14.00	LUNCH
	<u>Chair: Christoph Stickse</u>
14.00 – 14.25	Daniel Kroening, Jérôme Leroux, Philipp Rümmer: <i>Interpolating Quantifier-Free Presburger Arithmetic</i>
14.25 – 14.50	Petros Papapanagiotou, Jacques Fleuriot: <i>An Isabelle-Like Procedural Mode for HOL Light</i>
14.50 – 15.15	Arnaud Fietzke, Holger Hermanns, Christoph Weidenbach: <i>Superposition-Based Analysis of First-Order Probabilistic Timed Automata</i>
15.15 – 15.40	Margus Veanes, Nikolaj Bjørner, Leonardo de Moura: <i>Symbolic Automata Constraint Solving</i>
15.40 – 16.00	COFFEE BREAK
	<u>Chair: Aart Middeldorp</u>
16.00 – 16.25	Richard McKinley: <i>Expansion Nets: Proof Nets for Propositional Classical Logic</i>
16.25 – 16.50	Benjamin Grégoire, Jorge Luis Sacchini: <i>On Strong Normalization of the Calculus of Constructions with Type-Based Termination</i>
16.50 – 17.15	Kai Brännler: <i>How to Universally Close the Existential Rule</i>

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Friday, October 15

	<u>Chair: Petr Cintula</u>
9.00 – 9.50	INVITED TUTORIAL Norbert Preining: <i>Gödel Logics – A Survey</i>
9.50 – 10.15	Pavel Klinov, Bijan Parsia, David Picado-Muiño: <i>The Consistency of the CADIAG-2 Knowledge Base: A Probabilistic Approach</i>
10.15 – 10.40	Jean-François Condotta, Souhila Kaci, Pierre Marquis, Nicolas Schwind: <i>A Syntactical Approach to Qualitative Constraint Networks Merging</i>
10.40 – 11.10	COFFEE BREAK
	<u>Chair: Laura Kovacs</u>
11.10 – 11.35	Mark Kaminski, Gert Smolka: <i>Clausal Graph Tableaux for Hybrid Logic with Eventualities and Difference</i>
11.35 – 12.00	Jeremy E. Dawson, Rajeev Goré: <i>Generic Methods for Formalising Sequent Calculi Applied to Provability Logic</i>
12.00 – 12.25	Taus Brock-Nannestad, Carsten Schürmann: <i>Focused Natural Deduction</i>
12.30 – 14.00	LUNCH
	<u>Chair: Konstantin Korovin</u>
14.00 – 14.25	Laura Girodano, Valentina Gliozzi, Nicola Olivetti, Gian Luca Pozzato: <i>A nonmonotonic extension of KLM Preferential Logic P</i>
14.25 – 14.50	Mauro Ferrari, Camillo Fiorentini, Guido Fiorino: <i>FCUBE: An Efficient Prover for Intuitionistic Propositional Logic</i>
14.50 – 15.30	4 SHORT PAPERS Libor Behounek: <i>Feasibility as a gradual notion</i> Petr Cintula, George Metcalfe: <i>Complexity of Admissible Rules in the Implication-Negation Fragment of Intuitionistic Logic</i> Karel Chvalovský, Petr Cintula: <i>Note on Deduction Theorems in Contraction-Free Logics</i> Sylvain Conchon, Evelyne Contejean, Iguernelala Mohamed: <i>Ground Associative and Commutative Completion Modulo Shostak Theories</i>
15.30 – 16.00	COFFEE BREAK
	<u>Chair: Chris Fermüller</u>
16.00 – 16.25	Theofrastos Mantadelis, Gerda Janssens: <i>Variable Compression in ProbLog</i>
16.25 – 16.50	Witold Charatonik, Piotr Witkowski: <i>On the Complexity of the Bernays-Schönfinkel Class with Datalog</i>
