

17th EACSL Annual Conference on

Computer Science Logic
Bertinoro, September 15-19 2008
Preliminary Program

Sunday, September 14

20:00 - 22:00	Dinner in the cafeteria (open buffet)
20:30	Presumed arrive of bus from Bologna and Forli

Monday, September 15

	Bridging Logic and Computer Science on the occasion of the 60th birthday of Janos Makowsky
9:30 - 10:10	Comparing several proofs of the Recognizability Theorem <i>Bruno Courcelle</i>
10:10 - 10:50	Two-pebble automata over infinite alphabets <i>Michael Kaminski</i>
10:50	Coffee break
11:20 - 12:00	Positive cardinality constraints in monadic logic, bound automata, and duality results <i>Thomas Colcombet</i>
12:00 - 12:40	Spectrum hierarchies and transfer theorems <i>Malika More</i>
12:40	Lunch in the cafeteria
15:00 - 15:40	Graph polynomials and the difficult point conjecture <i>Markus Blaeser</i>
15:40 - 16:20	One of the bridges: Generalized quantifiers <i>Erich Graedel</i>
16:20	Coffee Break
16:50 - 17:30	Treewidth in algebraic settings <i>Klaus Meer</i>
17:30 - 18:10	Intriguing graph polynomials <i>Janos Makowsky</i>
19:30	Dinner, followed by an after-dinner talk (by <i>Elena Ravve</i>)
20:30	Presumed arrive of bus from Bologna and Forli
20:00 - 22:00	Dinner in the cafeteria (open buffet)

Tuesday, September 16

8:55 - 9:00	Opening <i>Simone Martini</i>
9:00 - 10:00	Invited Talk (chair: Simone Martini) The Computability Path Ordering: the End of a Quest <i>Jean-Pierre Jouannaud</i>
10:00	Coffee break
10:30 - 11:00	Session I: Complexity (chair: Michael Kaminski) An Infinite Automaton Characterization of Double Exponential Time <i>Salvatore La Torre, P. Madhusudan, Gennaro Parlato</i>
11:00 - 11:30	Recursion Schemata for NC^k <i>Guillaume Bonfante, Reinhard Kahle, Jean-Yves Marion, Isabel Oitavem</i>
11:30 - 12:00	Extensional Uniformity for Boolean Circuits <i>Pierre McKenzie, Michael Thomas, Heribert Vollmer</i>
12:00 - 12:30	Pure Pointer Programs with Iteration <i>Martin Hofmann, Ulrich Schoepp</i>
12:30	Lunch in the cafeteria
14:00 - 14:30	Session II: Constraints (chair: Johann Makowsky) Quantified Positive Temporal Constraints <i>Witold Charatonik, Michal Wrona</i>
14:30 - 15:00	Non-uniform Boolean Constraint Satisfaction Problems with Cardinality Constraint <i>Nadia Creignou, Henning Schnoor, Ilka Schnoor</i>
15:00 - 15:30	Fractional Collections with Cardinality Bounds, and Mixed Linear Arithmetic with Stars <i>Ruzica Piskac, Viktor Kuncak</i>
15:30	Coffee break
15:50 - 16:20	Session III: Proof Theory (chair: Pierre-Louis Curien) Continuous Fragment of the mu-Calculus <i>Gaëlle Fontaine</i>
16:20 - 16:50	On the Relations Between the Syntactic Theories of lambda-mu- calculi <i>Alexis Saurin</i>
16:50 - 17:20	A constructive semantic approach to cut elimination in type theories with axioms <i>Olivier Hermant, James Lipton</i>
17:20	Coffee break
17:40 - 18:10	Session IV: Arithmetic (chair: Ugo Dal Lago) Proving Infinitude of Prime Numbers Using Binomial Coefficients <i>Phuong Nguyen</i>
18:10 - 18:40	A Tight Karp-Lipton Collapse Result in Bounded Arithmetic <i>Olaf Beyersdorff, Sebastian Mueller</i>
18:40 - 19:10	A Calculus of Realizers for EM_1 Arithmetic <i>Stefano Berardi, Ugo de'Liguoro</i>
20:00	Dinner in the cafeteria

Wednesday, September 17

9:00 - 10:00	Invited talk (chair: Patrick Baillot) The Joy of String Diagrams <i>Pierre-Louis Curien</i>
10:00	Coffee break
10:30 - 11:00	Session V: Linear Logic and Semantics (chair: Simone Martini) Quantitative Game Semantics for Linear Logic <i>Ugo Dal Lago, Olivier Laurent</i>
11:00 - 11:30	A Characterization of Hypercoherent Semantic Correctness in Multiplicative Additive Linear Logic <i>Paolo Trinquilli</i>
11:30 - 12:00	An Indexed System for Multiplicative Additive Polarized Linear Logic <i>Masahiro Hamano, Ryo Takemura</i>
12:00 - 12:30	A Characterisation of Lambda Definability with Sums via TT- Closure Operators <i>Shin-ya Katsumata</i>
12:30	Lunch in the cafeteria
14:00 - 14:30	Session VI: Decidability and Undecidability (chair: Jean-Pierre Jouannaud) Superposition for Fixed Domains <i>Matthias Horbach, Christoph Weidenbach</i>
14:30 - 15:00	Non-Finite Axiomatizability and Undecidability of Interval Temporal Logics with C, D and T <i>Ian Hodkinson, Angelo Montanari, Guido Sciavicco</i>
15:00 - 15:30	On the Almighty Wand <i>Remi Brochenin, Stephane Demri, Etienne Lozes</i>
15:30	Coffee break
15:50 - 16:20	Session VII: Games and Graphs (chair: Wolfgang Thomas) On Counting Generalized Colorings <i>Tomer Kotek, Johann Makowsky, Boris Zilber</i>
16:20 - 16:50	The Descriptive Complexity of Parity Games <i>Anuj Dawar, Erich Graedel</i>
16:50 - 17:20	An Optimal Strategy Improvement Algorithm for Solving Parity and Payoff Games <i>Sven Schewe</i>
17:20	Coffee break
17:40	The Ackermann award (chair: Johann Makowsky) Presentation of the recipient, Krishnendu Chatterjee Lecture of Krishnendu Chatterjee
18:40	EACSL Meeting
20:00	Dinner in the cafeteria

Thursday, September 18

9:00 - 10:00	Invited talk (chair: Michael Kaminski) Model Transformations in Decidability Proofs for Monadic Theories <i>Wolfgang Thomas</i>
10:00	Coffee break
10:30 - 11:00	Session VIII: Languages, Automata and Trees (chair: Damian Niwinski) Quantitative Languages <i>Krishnendu Chatterjee, Laurent Doyen, Thomas Henzinger</i>
11:00 - 11:30	Characterization of Logics over Ranked Tree Languages <i>Thomas Place</i>
11:30 - 12:00	The Nesting-Depth of Disjunctive mu-calculus for Tree Languages and the Limitedness Problem <i>Thomas Colcombet, Christof Loeding</i>
12:00 - 12:30	Upper Bounds on the Automata Size for Integer and Mixed Real and Integer Linear Arithmetic <i>Jochen Eisinger</i>
12:30	Lunch in the cafeteria
14:00	Excursion to Ravenna
20:30	Banquet

Friday, September 19

9:00 - 10:00	Invited Talk (chair: Gert Smolka) Molecules as Automata <i>Luca Cardelli</i>
10:00	Coffee break
10:30 - 11:00	Session IX: Types (chair: Luca Cardelli) Syntactic Metatheory of Higher-Order Subtyping <i>Andreas Abel, Dulma Rodriguez</i>
11:00 - 11:30	On Isomorphisms of Intersection Types <i>Mariangiola Dezani, Roberto Di Cosmo, Elio Giovannetti, Makoto Tatsuta</i>
11:30 - 12:00	Undecidability of Type-Checking in Domain-Free Typed lambda- Calculi with Existence <i>Koji Nakazawa, Makoto Tatsuta, Yuki Yoshi Kameyama, Hiroshi Nakano</i>
12:00 - 12:30	Type-Based Termination with Sized Products <i>Gilles Barthe, Benjamin Gregoire, Colin Riba</i>
12:30 - 12:35	Closing <i>Michael Kaminski</i>
12:40	Lunch in the cafeteria
14:00	Bus leaves to Bologna and Forli