Computer Science Logic 2005, 22-25 August, Oxford

Monday 22 August 2005

08:30	**Registration**, foyer of Dennis Sciama Lecture Theatre, Denys Wilkinson Building
	Chair: *Luke Ong*
	Semantics and Logics
09:00	*Ulrich Berger.* An Abstract Strong Normalization Theorem (*Invited Lecture*)
10:00	*Matthew Collinson, David Pym and Edmund Robinson.* On Bunched Polymorphism
10:30	**Coffee**
	Chair: *Ian Stark*
11:00	*Tom Murphy, Robert Harper and Karl Crary.* Distributed Control Flow with Classical Modal Logic
11:30	*Jiri Adámek.* A Logic of Coequations
12:00	*Shin-ya Katsumata.* A Semantic Formulation of $\top\top$-lifting and Logical Predicates for Computational Metalanguage
12:30	**Lunch**
	Chair: *Ulrich Berger*
	Type Theory and Lambda Calculus I
14:00	*Paula Severi and Fer-Jan de Vries.* Order Structures on Böhm-like Models
14:30	*Colin Stirling.* Higher-order Matching and Games
	Constructive Reasoning and Computational Mathematics I
15:00	*Branimir Lambov.* Complexity and Intensionality in a Type-1 Framework for Computable Analysis
15:30	**Tea**
	Chair: *Martin Hyland*
16:00	*Vasco Brattka and Matthias Schröder.* Computing with Sequences, Weak Topologies and the Axiom of Choice
	Linear Logic and Ludics I
16:30	*Pierre-Louis Curien and Claudia Faggian.* L-nets, Strategies and Proof-nets
17:00	*Jean-Marc Andreoli, Gabriele Pulcini, and Paul Ruet.* Permutative Logic
17:30	*Kaustuv Chaudhuri and Frank Pfenning.* Focusing the Inverse Method for Linear Logic
	Evening Event
19:00	**EACSL Annual General Meeting**, Fitzjames Room 1, Merton College

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	Chair: *Julian Bradfield*
09:00	*Matthias Baaz.* Proof Theory of Analogical Reasoning and Juridical Logic (*Invited Lecture*)
	Linear Logic and Ludics II
10:00	*Esfandiar Haghverdi and Philip J. Scott.* Towards a Typed Geometry of Interaction
10:30	**Coffee**
	Chair: *Bakhadyr Khoussainov*
	Constraints
11:00	*Hubie Chen and Víctor Dalmau.* From Pebble Games to Tractability: An Ambidextrous Consistency Algorithm for Quantified Constraint Satisfaction
11:30	*Ashish Tiwari.* An Algebraic Approach for the Unsatisfiability of Nonlinear Constraints
12:00	**Lunch**
13:15	**Excursion to Bletchley Park**. The coaches will leave from the junction of Keble Road and Parks Road at 13:15.

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Wednesday 24 August 2005

	Chair: *Janos Makowsky*
	Finite Models, Decidability and Complexity
09:00	*Maarten Marx.* XML Navigation and Tarski's Relation Algebras (*Invited Lecture*)
10:00	*Marcin Mostowski and Konrad Zdanowski.* Coprimality in Finite Models

10:30	**Coffee**

	Chair: *Etienne Grandjean*
11:00	*Michael Benedikt and Luc Segoufin.* Towards a Characterization of Order-Invariant Queries over Tame Structures
11:30	*Bakhadyr Khoussainov and Sasha Rubin.* Decidability of Term Algebras Extending Partial Algebras
12:00	*Emanuel Kieroński.* Results on the Guarded Fragment with Equivalence or Transitive Relations

12:30	**Lunch**

	Chair: *Neil Immerman*
14:00	*Bruno Courcelle and Christian Delhommé.* The Modular Decomposition of Countable Graphs: Constructions in Monadic Second-Order Logic
14:30	*Balder ten Cate and Massiomo Franceschet.* On the Complexity of Hybrid Logics with Binders
15:00	*Julian Bradfield and Stephan Kreutzer.* The Complexity of Independence-Friendly Fixpoint Logic

15:30	**Tea**

	Chair: *Bruno Courcelle*
16:00	*Antonina Kolokolova.* Closure properties of weak systems of bounded arithmetic
	2005 Ackermann Award Presentation
16:30	*Johann Makowsky*, EACSL President and Jury Chair
16:45	*Mikołaj Bojańczyk.* Decidable Properties of Tree Languages
17:15	*Konstantin Korovin.* Knuth-Bendix orders in automated deduction and term rewriting
	Nathan Segerlind. New Separations in Propositional Proof Complexity

	Evening Event
18:30	**Guided Tour of Merton College**, assemble just inside Front Quad, next to the Porter's Lodge
19:30	**Conference Banquet**, Merton College

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Thursday 25 August 2005

	Chair: *Damian Niwiński*
	Verification and Model Checking
09:00	*Anatol Slissenko*. Verification in Predicate Logic with Time: Algorithmic Questions (*Invited Lecture*)
10:00	*Julian Bradfield, Jacques Duparc and Sandra Quickert*. Transfinite Extension of the Mu-Calculus
10:30	**Coffee**
	Chair: *Colin Stirling*
11:00	*Witold Charatonik, Lilia Georgieva and Patrick Maier*. Bounded Model Checking of Pointer Programs
11:30	*Carsten Lutz*. PDL with Intersection and Converse is Decidable
12:00	*Filip Murlak*. On Deciding Topological Classes of Deterministic Tree Languages
12:30	**Lunch**
	Chair: *David Pym*
	Type Theory and Lambda Calculus II
14:00	*Frédéric Blanqui*. Decidability of Type-checking in the Calculus of Algebraic Constructions with Size Annotations
14:30	*Bruno Barras and Benjamin Grégoire*. On the role of type decorations in the Calculus of Inductive Constructions
	Constructive Reasoning and Computational Mathematics II
15:00	*Mircea-Dan Hernest*. Light Functional Interpretation - an optimization of Gödel's technique towards the extraction of (more) efficient programs from (classical) proofs
15:30	**Tea**
	Chair: *Arnaud Durand*
16:00	*Michael Soltys*. Feasible Proofs of Matrix Properties with Csanky's Algorithm
	Implicit Computational Complexity and Rewriting
16:30	*Steven Perron*. A Propositional Proof System for Log Space
17:00	*Carsten Schürmann and Jatin Shah*. Identifying polynomial-time recursive functions
17:30	*Guillem Godoy and Ashish Tiwari*. Confluence of Shallow Right-Linear Rewrite Systems
18:00	**End of Conference**