

TUESDAY JUNE 24	CSF/LICS Joint Session McConomy Auditorium, University Center
8:00-8:25	Registration & Breakfast Rangos 2 & 3, University Center
8:25-8:30	Welcome McConomy Auditorium
8:30-9:30	Joint LICS/CSF Invited Talk Chairs: Frank Pfenning, Andrei Sabelfeld David Basin (joint work with Christoph Sprenger) <i>Cryptographically Sound Protocol-Model Abstractions</i>
	Joint Session: Authorization Logic I Chairs: Andrei Sabelfeld, Frank Pfenning
9:30-10:00	Rohit Chadha, A. Prasad Sistla, Manesh Viswanathan <i>On the Expressiveness and Complexity of Randomization in Finite State Monitors</i>
10:00-10:30	Henry DeYoung, Deepak Garg, Frank Pfenning <i>An Authorization Logic with Explicit Time</i>
10:30-11:00	BREAK (Rangos 2 & 3)
	Joint Session: Authorization Logic II Chair: John Mitchell
11:00-11:30	Yuri Gurevich, Itay Neeman <i>DKAL: Distributed-Knowledge Authorization Language</i>
11:30-12:00	Glenn Bruns, Michael Huth <i>Access-Control Policies via Belnap Logic: Effective & Efficient Composition & Analysis</i>
12:00-12:30	Jeffrey Vaughan, Limin Jia, Karl Mazurak, Steve Zdancevic <i>Evidence-based Audit</i>
12:30-2:00	LUNCH (Rangos 2 & 3)

TUESDAY JUNE 24	LICS Giant Eagle Auditorium Baker Hall A51	CSF Adamson Wing Baker Hall 136A
	Logical Frameworks Chair: Robert Harper	Protocol Analysis I Chair: Cedric Fournet
2:00-2:30	Andrew Gacek, Dale Miller, Gopalan Nadathur <i>Combining Generic Judgments with Recursive Definitions</i>	Michael Backes, Catalin Hritcu, Matteo Maffei <i>Automated Verification of Remote Electronic Voting Protocols in Applied Pi-calculus</i>
2:30-3:00	Christian Urban, James Cheney, Stefan Berghofer <i>Mechanizing the Theory of LF</i>	Christopher Dilloway & Gavin Lowe <i>Specifying Secure Transport Layers</i>
3:00-3:30	Marcelo Fiore <i>Second-Order & Dependently- Sorted Abstract Syntax</i>	Jean Goubault-Larrecq <i>Towards Producing Formally Checkable Security Proofs, Automatically</i>
3:30-4:00	Carsten Schuermann, Jeffrey Sarnat <i>Structural Logical Relations</i>	Stephanie Delaune, Steve Kremer, Mark Ryan <i>Composition of Password-Based Protocols</i>
4:00-4:30	BREAK Giant Eagle Lobby	
	Lambda Calculus Chair: Ugo Dal Lago	Cryptographic Foundations Chair: Bruno Blanchet
4:30-5:00	Makoto Tatsuta <i>Types for Hereditary Permutators</i>	Michael Backes, Dominique Unruh <i>Computational Soundness of Symbolic Zero-Knowledge Proofs Against Active Attackers</i>
5:00-5:30	Adria Gascon, Guillem Godoy, Manfred Schmidt-Schauss <i>Context Matching for Compressed Terms</i>	Ralf Kuesters, Max Tuengerthal <i>Joint State Theorems for Public-Key Encryption & Digital Signature Functionalities with Local Computation</i>
5:30-6:30	SHORT TALKS Giant Eagle Auditorium Chair: Frank Pfenning	
7:00-9:00	LICS/CSF RECEPTION Phipps Conservatory	

WEDNESDAY JUNE 25	LICS Giant Eagle Auditorium	CSF Adamson Wing
8:30-9:30	LICS Invited Talk Chair: Stephen Brookes Dexter Kozen <i>Non-local Flow of Control and Kleene Algebra with Tests</i>	
	Algebraic Methods	Information Flow and Concurrency Chair: Riccardo Focardi
9:30-10:00	Gordon Plotkin, Matija Pretnar <i>A Logic for Algebraic Effects</i>	Tachio Terauchi <i>A Type System for Observational Determinism</i>
10:00-10:30	Emmanuel Beffara <i>An Algebraic Process Calculus</i>	Ron van der Meyden, Chenyi Yang <i>Information Flow in Systems with Schedulers</i>
10:30-11:00	BREAK Giant Eagle Lobby	
	Process Calculi Chair: Marcelo Fiore	Protocol Analysis II Chair: Vitaly Shmatikov
11:00-11:30	Ivan Lanese, Jorge Perez, Davide Sangiorgi, Alan Schmitt <i>On the Expressiveness and Decidability of Higher-Order Process Calculus</i>	11:15 Doug Kuhlman, Ryan Moriarty, Tony Braskich, Steve Emeott, Mahesh Tripunitara <i>A Correctness Proof of a Mesh Security Architecture</i>
11:30-12:00	Taolue Chen, Wan Fokkink <i>On the Axiomatizability of Impossible Futures: Preorder versus Equivalence</i>	11:45 Stephanie Delaune, Steve Kremer, Graham Steel <i>Formal Analysis of PKCS#11</i>
12:00-12:30	Sam Staton <i>General Structural Operational Semantics through Categorical Logic</i>	12:15 Closing remarks & Award presentation
12:30-2:00	LUNCH Rangos 2 & 3	

WEDNESDAY JUNE 25	LICS Giant Eagle Auditorium Baker Hall A51
	Model Checking Chair: Gordon Plotkin
2:00-2:30	Vineet Kahlon <i>Parameterization as Abstraction: A Tractable Approach to the Dataflow Analysis of Concurrent Programs</i>
2:30-3:00	Arnaud Carayol, Matthew Hague, Antoine Meyer, Luke Ong, Olivier Serre <i>Winning Regions of Higher-Order Pushdown Games</i>
3:00-3:30	Pierre Chambart, Philippe Schnoebelen <i>The Ordinal Recursive Complexity of Lossy Channel Systems</i>
3:30-4:00	Christel Baier, Nathalie Bertrand, Patricia Bouyer, Thomas Brihaye, Marcus Groesser <i>Almost-Sure Model Checking of Infinite Paths in One-Clock Timed Automata</i>
4:00-4:30	BREAK Giant Eagle Lobby
	Proof Theory Chair: Dale Miller
4:30-5:00	Agata Ciabattoni, Nikolaus Galatos, Kazushige Terui <i>From Axioms to Analytic Rules in Non-Classical Logics</i>
5:00-5:30	Daniel Licata, Noam Zeilberger, Robert Harper <i>Focusing on Binding and Computation</i>
5:30-6:00	Guillaume Burel <i>A First-Order Representation of Pure Type Systems using Superdeduction</i>
6:00-6:30	AWARD PRESENTATIONS (Chair: Frank Pfenning, Dexter Kozen)
6:30-7:30	LICS Business Meeting (Chair: Martin Abadi)

THURSDAY JUNE 26	LICS Adamson Wing Baker Hall 136A
	Computational Complexity Chair: Yuri Gurevich
8:30-9:30	Invited Talk Martin Grohe <i>The Quest for a Logic Capturing PTIME</i>
9:30-10:00	Soren Riis <i>On the Asymptotic Nullstellensatz & Polynomial Calculus Proof Complexity</i>
10:00-10:30	Klaus Aehlig, Arnold Beckmann <i>On the Computational Complexity of Cut-Reduction</i>
10:30-11:00	BREAK Giant Eagle Lobby
	Constraints Chair: Andrei Bulatov
11:00-11:30	Victor Dalmau, Benoit Larose <i>Maltsev + Datalog \rightarrow Symmetric Datalog</i>
11:30-12:00	Catarina Carvalho, Victor Dalmau, Andrei Krokhin <i>Caterpillar Duality for Constraint Satisfaction Problems</i>
12:00-12:30	Barnaby Martin, Florent Madelaine, Hubie Chen <i>Quantified Constraints and Containment Problems</i>
12:30-2:00	LUNCH Rangos 2 NEW: today you must enter the University Center from the door by the football field (between UC and West Wing) in order to pass through metal detectors. This is because of increased security associated with a political event. Please allow extra time!

THURSDAY JUNE 26	LICS Adamson Wing Baker Hall 136A
	Reasoning about Programs Chair: Luke Ong
2:00-2:30	Francois Pottier <i>Hiding Local State in Direct Style: A Higher-Order Anti-Frame Rule</i>
2:30-3:00	Soren Lassen, Paul Blain Levy <i>Typed Normal Form Bisimulation for Parametric Polymorphism</i>
3:00-3:30	Andrzej Murawski <i>Reachability Games and Game Semantics: On Comparing Non-deterministic Programs</i>
3:30-4:00	Abbas Edalat <i>Weak Topology and Differentiable Operator for Lipschitz Maps</i>
4:00-4:30	BREAK Giant Eagle Lobby
	Probabilistic Systems Chair: Radha Jagadeesan
4:30-5:00	James Lynch <i>A Logical Characterization of Individual-Based Models</i>
5:00-5:30	Tomas Bradzil, Jan Kretinsky, Antonin Kucera, Vojtech Forejt <i>The Satisfiability Problem for Probabilistic CTL</i>
7:00-10:30	LICS Banquet , Heinz History Center Buses leave at 7:00, from circular drive behind University Center Hors d'oeuvres served 7:30 - 8:15; dinner at 8:30; museum open Buses return at 10:30

FRIDAY JUNE 27	LICS Giant Eagle Auditorium, Baker Hall A51
	Finite Model Theory Chair: Philip Scott
8:30-9:30	Invited Talk Yiannis Moschovakis <i>The Axiomatic Derivation of Absolute Lower Bounds</i>
9:30-10:00	Martin Grohe <i>Definable Tree Decompositions</i>
10:00-10:30	David Duris <i>Hypergraph Acyclicity and Extension Preservation Theorems</i>
10:30-11:00	BREAK Giant Eagle Lobby
	Automata Theory Chair: Martin Abadi
11:00-11:30	Greg Hjorth, Bakhadyr Khoussainov, Antonio Montalban, Andre Nies <i>From Automatic Structures to Borel Structures</i>
11:30-12:00	Mikolaj Bojanczyk, Luc Segoufin, Howard Straubing <i>Piecewise Testable Tree Languages</i>
12:00-12:30	Matthew Hague, Andrzej Murawski, Luke Ong, Olivier Serre <i>Collapsible Pushdown Automata and Recursion Schemes</i>
12:30-1:00	BOX LUNCH Giant Eagle Lobby

FRIDAY JUNE 27	LICS Giant Eagle Auditorium Baker Hall A51
	Linear Logic Chair: Jean Goubault-Larrecq
1:00-1:30	Marc de Falco <i>The Geometry of Interaction of Differential Interaction Nets</i>
1:30-2:00	Virgile Mogbil, Paulin Jacobe de Naurois <i>Correctness of Multiplicative Additive Proof Structures is NL-Complete</i>
2:00-2:30	Roberto Maieli, Olivier Laurent <i>Cut Elimination for Monomial MALL Proof Nets</i>
2:30-3:00	Olivier Delandé, Dale Miller <i>A Neutral Approach to Proof and Refutation in MALL</i>
3:00 PM	End of LICS Conference