Session 1: Sunday 26th June 9am to 10:25am

Session Chair: Prakash Panangaden
9:00 - 10:00 Glynn Winskel (Invited Speaker): Relations in Concurrency
10:00 - 10:25 Jos C.M. Baeten and Flavio Corradini: A characterization of regular expressions in process algebra.

10:25 - 10:50 Coffee Break

Session 2: Sunday 26th June 10:50am to 12:30pm

Session Chair: Martin Grohe
10:50-11:15 Anuj Dawar and Martin Otto: Modal characterisation theorems over special classes of frames.
11:40-12:05 Hannu Niemistö: On locality and uniform reduction
12:05-12:30 Maarten Marx and Evan Goris: Looping caterpillars.

12:30 - 2:00 Lunch

Session 3: Sunday 26th June 2:00pm to 3:40pm

3:40 - 4:00 Coffee Break Session Chair: Frank Pfenning
2:00-2:25 Geoffrey Washburn and Stephanie Weirich: Generalizing parametricity using information-flow.
2:25-2:50 Masahito Hasegawa: Relational parametricity and control.
2:50-3:15 Paul-André Melliès and Jérôme Vouillon: Recursive polymorphic types and parametricity in an operational framework.
3:15-3:40 Giuseppe Castagna, Rocco De Nicola and Daniele Varacca: Semantic Subtyping for the π-calculus.
Session 4: Sunday 26th June 4:00pm to 6:00pm

Session Chair: Prakash Panangaden
Short paper session
Valentin Goranko: Infinite-state model checking in modal logic
Jiri Adamek and Stefan Milius: Wellfounded coalgebras
Bodil Biering, Lars Birkedal and Noah Torp-Smith: Higher-order separation logic
Paulo Mateus and Amilcar Sernadas: Complete exogenous quantum propositional logic
Mehrunosh Sadrzadeh: Quantales for reasoning about security protocols
Hyunjun Eo, Seunghwan O and Nikolay Shilov: Finite game semantics for propositional program logics
Ellie D’Hondt: Distributed measurement-based quantum computation
Yannick Delbecque: Internal traces and abstract measurements
Bassem Sayrafi, Dirk Van Gucht and Marc Gyssens: Measures and measure-based constraints
Limin Jia and David Walker: A refined proof theory for reasoning about separation
Seunghwan H. Lee: Problems in nesting logics to higher order
Dominic Hughes: Classical logic = Fibred MLL.

Session 5: Monday 27th June 9am to 10:25am

Session Chair: Neil Immerman
9:00 - 10:00 Michael Benedikt (Invited Speaker): An insider’s guide to logic in telecommunications data.
10:00 - 10:25 Albert Atserias: On digraph coloring problems and treewidth duality.

10:25 - 10:50 Coffee Break

Session 6: Monday 27th June 10:50am to 12:30pm

Session Chair: Rajeev Alur
11:15-11:40 Richard Mayr, Parosh Abdulla and Noomene Ben Henda: Verifying infinite Markov chains with a finite attractor or the global coarseness property.
12:05-12:30 Jerome Leroux: A polynomial-time Presburger criterion and synthesis for number decision diagrams.

12:30 - 2:00 Lunch
Session 7: Monday 27th June 2:00pm to 3:40pm

Session Chair: Martin Grohe
3:15-3:40 Joel Ouaknine and James Worrell: On the decidability of metric temporal logic.

3:40 - 4:00 Coffee Break

Session 8: Monday 27th June 4:00pm to 5:40pm

Session Chair: Peter Selinger
4:00-4:25 Clemens Kupke and Yde Venema: Closure properties of coalgebra automata.

Business Meeting Monday 27th June 6:00 to 7:00

Session 9: Tuesday 28th June 9am to 10:25am

Session Chair: Prakash Panangaden
9:00 - 10:00 Jane Hillston (Invited Speaker): Process algebras for quantitative analysis.
10:00 - 10:25 Thorsten Altenkirch and Jonathan Grattage: A functional quantum programming language.

10:25 - 10:50 Coffee Break

Session 10: Tuesday 28th June 10:50am to 12:30pm

Session Chair: Peter Selinger
10:50-11:15 Hongseok Yang, Lars Birkedal and Noah Torp-Smith: Semantics of separation-logic typing and higher-order frame rules.
11:15-11:40 Kohei Honda, Martin Berger and Nobuko Yoshida: An observationally complete logic for imperative higher-order functions.
11:40-12:05 Iovka Boneva, Jean-Marc Talbot and Sophie Tison: Expressiveness of a spatial logic for trees.
12:05-12:30 Christopher Hardin: Proof theory for Kleene algebra.

12:30 - 2:00 Lunch
Session 11: Tuesday 28th June 2:00pm to 3:40pm

Session Chair: Alan Jeffrey
2:00-2:25 Glynn Winskel: Name generation and linearity.
2:50-3:15 Bernd Finkbeiner and Sven Schewe: Uniform distributed synthesis.
3:15-3:40 Bruno Blanchet, Martin Abadi and Cédric Fournet: Automated verification of selected equivalences for security protocols.

3:40 - 4:00 Coffee Break

Session 12: Tuesday 28th June 4:00pm to 5:00pm

Session Chair: Phokion Kolaitis
4:00 - 5:00 Solomon Feferman (Invited Speaker): Tarski’s influence on computer science

Conference Banquet 6:30

Session 13: Wednesday 29th June 9am to 10:25am

Session Chair: Frank Pfenning
9:00 - 10:00 Walter Fontana (Invited Speaker): The logic of systems biology.
10:00 - 10:25 Soren Lassen: Normal-form bisimulation for call-by-value lambda calculus.

10:25 - 10:50 Coffee Break

Session 14: Wednesday 29th June 10:50am to 12:30pm

Session Chair: Phil Scott
10:50-11:15 Alexis Saurin: Separation with streams in the $\text{A}_\mu$-calculus.
11:15-11:40 Ugo Dal Lago: The geometry of linear higher-order recursion.
11:40-12:05 Claudia Faggian and Francois Maurel: Ludics nets, a model of concurrent interaction.
12:05-12:30 Paul-André Melliès: A fully complete model of propositional linear logic.

12:30 - 2:00 Lunch

Session 15: Wednesday 29th June 2:00pm to 3:40pm

Session Chair: Radha Jagadeesan
2:00-2:25 Michael Maher: Herbrand constraint abduction.
2:50-3:15 Abbas Edalat and Dirk Pattinson: Inverse and implicit functions in domain theory.
3:15-3:40 Martin Escardoand Ho Weng Kin: Operational domain theory and topology of a sequential programming language.

3:40 - 4:00 Coffee Break
Session 16: Wednesday 29th June 4:00pm to 5:40pm

Session Chair: Andrei Bulatov
4:00-4:25 Victor Dalmau: Generalized majority-minority operations are tractable.
4:25-4:50 Emanuel Kieronski and Martin Otto: Small substructures and decidability issues for first-order logic with two variables.
5:15-5:40 Benjamin Rossman: Existential positive types and preservation under homomorphisms.

END of CONFERENCE