

PPDP'2002 Program

Sunday, October 6

11:30–12:30 Program Generation, Termination, and Binding-time Analysis

Neil Jones (University of Copenhagen, Denmark) – Common GPCE, ICFP and PPDP invited speaker

12:30–14:00 Lunch

14:00–14:30 Towards a Primitive Higher Order Calculus of Broadcasting Systems

Karol Ostrovsky, K.V.S. Prasad (Chalmers University of Technology, Sweden), Walid Taha (Rice University, USA)

14:30–15:00 Coercion as homomorphism: type inference in a system with subtyping and overloading

Alex Shafarenko (University of Hertfordshire, UK)

15:00–15:30 Semantic Analysis of Normalisation by Evaluation for Typed Lambda Calculus

Marcelo Fiore (Computer Laboratory, University of Cambridge, UK)

15:30–16:00 Coffee break

16:00–16:30 Automated Protocol Verification in Linear Logic

Marco Bozzano (ITC-IRST, Italy), Giorgio Delzanno (University of Genova, Italy)

16:30–17:00 Modular Termination of Context-Sensitive Rewriting

Bernhard Gramlich (Institute Computer Languages, TU Wien, Austria), Salvador Lucas (Universidad Politénica de Valencia, Spain)

17:00–17:30 System Presentation – CARIBOO: An induction based proof tool for termination with strategies

Olivier Fissore, Isabelle Gnaedig, Hélène Kirchner (LORIA:CNRS-INRIA, France)

Monday, October 7

09:00–10:00 Mobile calculi for distributed programming

Catuscia Palamidessi (The Pennsylvania State University, USA) – Common GPCE and PPDP invited speaker

10:00–10:30 Coffee break

10:30–11:00 Secure calling contexts for stack inspection

Frédéric Besson, Thomas de Grenier de Latour, Thomas Jensen (IRISA, France)

11:00–11:30 Combining an improvement to PARMA trailing with analysis in HAL

Tom Schrijvers, Bart Demoen (Department of Computer Science, Katholieke Universiteit Leuven, Belgium)

11:30–12:00 Precise Pair-Sharing Analysis of Logic programs

Vitaly Lagoon, Peter J. Stuckey (University of Melbourne, Australia)

12:30–14:00 Lunch

14:00–14:30 Constraint-based mode analysis of Mercury

David Overton, Zoltan Somogyi, Peter J. Stuckey (University of Melbourne, Australia)

14:30–15:00 Using the heap to eliminate stack accesses

Zoltan Somogyi, Peter J. Stuckey (University of Melbourne, Australia)

- 15:00–15:30** Transforming the .NET Intermediate Language Using Path Logic Programming
Stephen Drape, Oege de Moor, Ganesh Sittampalam (Oxford University Computing Laboratory, UK)
- 15:30–16:00** Coffee break
- 16:00–16:30** A Generic Operator over Discrete Time Intervals
J er mie Blanc, Rachid Echahed (Laboratoire Leibniz, CNRS, France)
- 16:30–17:00** On the Expressive Power of Temporal Constraint Programming Languages
Mogens Nielsen (BRICS, Denmark), Catuscia Palamidessi (Penn State University, USA), Frank D. Valencia (BRICS, Denmark)
- 17:00–17:30** System Presentation – Functional Reactive Robotics: an Exercise in Principled Integration of Domain-Specific Languages
Izzet Pembeci (Johns Hopkins University, USA), Henrik Nilsson (Yale University, USA), Gregory Hager (Johns Hopkins University, USA)

Tuesday, October 8

- 09:00–10:00** Generative Programming for Embedded Systems
Janos Sztipanovits (Vanderbilt University) – Common GPCE and PPDP invited speaker
- 10:00–10:30** Coffee break
- 10:30–11:00** Full integration of subtyping and if-expression
Gang Chen (Boston University, Computer Science Department, USA)
- 11:00–11:30** True Separate Compilation of Java Classes
Davide Ancona, Giovanni Lagorio, Elena Zucca (DISI - Universit  di Genova, Italy)
- 11:30–12:00** Java Bytecode as a Typed Term Calculus
Tomoyuki Higuchi, Atsushi Ohori (School of Information Science, Japan Advanced Institute of Science and Technology, Japan)
- 12:00** Lunch
- End of PPDP'2002**