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 Politécnica 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
   *Jérémie 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 - Università 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