

INFINITY'05 – Preliminary Program

27 August 2005

9:00–10:00 Invited Talk

- *Methods for Quantitative Analysis of Probabilistic Pushdown Automata*
Antonín Kučera

10:00–10:30 COFFEE BREAK

10:30–12:30 Morning Session

- *Liveness Checking as Safety Checking for Infinite State Spaces*
Viktor Schuppan and Armin Biere
- *Refining Undecidability Border of Weak Bisimilarity*
Mojmír Křetínský, Vojtěch Řehák and Jan Strejček
- *Abstract Regular Tree Model Checking*
Ahmed Bouajjani, Peter Habermehl, Adam Rogalewicz and Tomáš Vojnar
- *Automatic Verification of Fault-Tolerant Register Emulations*
Paul C. Attie and Hana Chockler

12:30–2:00 LUNCH

2:00–3:30 Afternoon Session

- *Algorithmic Algebraic Model Checking III: Approximate Methods*
Venkatesh Mysore and Bud Mishra
- *Analysis and Prediction of the Long-Run Behaviour of Probabilistic Sequential Programs with Recursion**
Tomáš Brázdil (in collaboration with Javier Esparza and Antonín Kučera)
- *On the Controller Synthesis for Finite-State Markov Decision Processes**
Oldřich Stražovský (in collaboration with Antonín Kučera)

3:30–4:00 COFFEE BREAK

4:00–5:30 Afternoon Session

- *Optimal Reachability Timed Games**
Patricia Bouyer
- *A Method for the Efficient Computation of an Exact State Space Abstraction for Petri Nets with Stopwatches**
Didier Lime (in collaboration with Morgan Magnin and Olivier H. Roux)
- *Abstract Graph Transformation**
Arend Rensink (in collaboration with Dino Distefano)

END OF THE WORKSHOP

* Presentation on recent or ongoing research.