RP 2015 Program

Monday, September 21

9:30 – 10:30 Invited talk
● Jerome Leroux. Vector Addition Systems Howto

10:30 – 11:00 Coffee break

11:00 – 12:30 Contributed talks
● Jerome Leroux, Grégoire Sutre and Patrick Totzke. On Boundedness Problems for Pushdown Vector Addition Systems
● Georg Zetzsche. The Emptiness Problem for Valence Automata Over Graph Monoids or: Another Extension of Petri Nets With Decidable Reachability
● Ranko Lazić and Sylvain Schmitz. The Ideal View on Rackoff’s Coverability Technique

12:30 – 14:00 Lunch

14:00 – 15:00 Invited talk
● Andrey Rybalchenko. Horn Constraints with Quantifiers and Cardinalities

15:00 – 15:30 Coffee break

15:30 – 17:30 Contributed talks

● Andrianarivelo Nirina and Pierre Rety. Over-Approximating Terms Reachable by Context-Sensitive Rewriting
● Alexander Malkis. Multithreaded-Cartesian Abstract Interpretation of Multithreaded Recursive Programs is Polynomial
● Masaya Shimakawa, Shigeki Hagihara and Naoki Yonezaki. Reducing Bounded Realizability Analysis to Reachability Checking
● Igor Potapov. Insertion-Deletion Systems over Relational Words (informal presentation)
Tuesday, September 22

9:30 – 10:30 Invited talk

10:30 – 11:00 Coffee break

11:00 – 12:30 Contributed talks
● Beatrice Berard, Serge Haddad, Claudine Picaronny, Mohab Safey El Din and Mathieu Sassolas. *Polynomial Interrupt Timed Automata*
● Étienne André, Didier Lime and Olivier H. Roux. *Almost-Complete Synthesis for Bounded Parametric Timed Automata*
● Fribourg Laurent, Eric Goubault, Sameh Mohamed, Marian Mrozek and Sylvie Putot. *A Topological Method for finding Invariants of Continuous Systems*

12:30 – 14:00 Lunch

14:00 – 15:00 Invited talk
● James Worrell. *Reachability Problems for Continuous Linear Dynamical Systems*

15:00 – 15:30 Coffee break

15:30 – 17:30 Contributed talks
● Petr Jancar. *On Reachability Related Games on Vector Addition Systems with States*
● Paul Hunter. *Reachability in Succinct One-Counter Games*
● Antonia Lechner. *Synthesis Problems for One-Counter Automata*
● Piotr Hofman. *Tightening the Complexity of Equivalence Problems for Commutative Grammars* (informal presentation)

19:00 Workshop Dinner
Wednesday, September 23

9:30 – 10:30 Invited talk
  ● Peter Bro Miltersen. Recent Results on Concurrent Reachability Games

10:30 – 11:00 Contributed talk
  ● Akihiro Yamamura. Rearranging Two Dimensional Arrays by Prefix Reversals

11:00 – 11:30 Coffee break

11:30 – 12:30 Invited talk

12:30 – 13:00 Contributed talk
  ● Nathanaël Fijalkow and Michał Skrzypczak. Irregular Behaviours for Probabilistic Automata

13:00 – 14:30 Lunch