

Programme for the workshop
Automata and Algorithmic Logic
Stuttgart, 28-29 June, 2009

Sunday, June 28

- 14:00–15:00 Balder ten Cate
Transitive closure logic, nested tree walking automata, and XPath
- 15:00–15:30 Karianto Wong
On nondeterministic unranked tree automata with sibling equalities
- 15:30–16:00 **Coffee break**
- 16:00–16:30 Christian Mathissen
On the monadic quantifier alternation hierarchy over texts
- 16:30–17:00 Stefan Göller
On the computational complexity of verifying one-counter processes
- 17:00–17:30 Konrad Zsanowski
A Tight Lower Bound for Determinization of Büchi automata

Monday, June 29

- 09:00–10:00 Christof Löding
Definability questions for MSO
- 10:00–10:30 **Coffee break**
- 10:30–11:00 Olivier Carton
Automata and MSO on linear orderings
- 11:00–11:30 Achim Blumensath
Recognisability for algebras of infinite trees
- 11:30–12:00 Łukasz Kaiser
Structure rewriting games
- 12:00–14:00 **Lunch break**

- 14:00–15:00 Bakh Khoussainov
Proving non-automaticity
- 15:00–15:30 Benjamin Steinberg
On transitivity of sequential transducers
- 15:30–16:00 **Coffee break**
- 16:00–16:30 Alexander Kartzow
FO-model checking on nested pushdown trees
- 16:30–17:00 Jiamou Liu
How many states are needed to describe a unary automatic structure
- 17:00–17:30 Markus Lohrey
Precise complexity bounds for automatic structures of bounded degree