

Advances and Applications of Automata on Words and Trees (Dagstuhl, Dec. 13th - 17th, 2010)

| | Sunday (Dec. 12th) | Monday (Dec. 13th) | Tuesday (Dec. 14th) | Wednesday (Dec. 15th) | Thursday (Dec. 16th) | Friday (Dec. 17th) |
|-------------|--------------------|---|---|--|---|---|
| 07:30-08:45 | | Breakfast | Breakfast | Breakfast | Breakfast | Breakfast |
| 08:45 | | Opening Remarks | | | | |
| 09:00-10:00 | | Thomas Wilke (Invited Talk) Functional Programs for Regular Expression Matching | Thomas Colcombet (Invited Talk) On distance automata and regular cost functions | Howard Straubing (Invited Talk) Algebras and Logics for Unranked Forests | Thomas Schwentick (Invited Talk) Automata for Data words | Luc Segoufin (Invited Talk) Models of tree walking automata and transitive logic on trees |
| | | Coffee Break | Coffee Break | Coffee Break | Coffee Break | Coffee Break |
| 10:30-11:00 | | Bill Wadge Degree Operations | Volker Diekert Small Fragments of First-order Logic over Finite and Infinite Words (Part 1) | Juhani Karhumaeki Local vs global regularity of words and automata theory | Paul Gastin Weighted automata with pebbles and weighted FO logic with transitive closures | Ludmila Yartseva Definability in the structures with Subword Order |
| 11:00-11:30 | | Friedrich Otto On Non-Forgetting Deterministic Restarting Automata That are Monotone | Manfred Kufleitner Small Fragments of First-order Logic over Finite and Infinite Words (Part 2) | Victor Selivanov Fine hierarchy of omega-regular k-partitions | Manfred Droste Weighted logics for unranked tree automata | Alexander Okhotin Language equations: the story of computational completeness |
| 11:30-12:00 | | Ludwig Staiger Topologies refining the Cantor topology | Markus Lohrey Isomorphism Problems on Automatic Structures | Bahareh Afshari On the decidability of the mu-calculus alternation hierarchy | Julian Bradfield TBA | Christof Loeding The nondeterministic parity index problem |
| 12:15 | | Lunch | Lunch | Lunch | Lunch | Lunch |
| 14:30-15:00 | | Jacques Sakarovitch The enumerating series brings a structuring vision to abstract numeration systems | Veronique Bruyere Equilibria in Quantitative Reachability Games | Group Photo (14:00 in the garden of the castle) | Damian Niwinski On the separation problem in the index hierarchy | Departure |
| 15:00-15:30 | | Christian Reitwiessner Parsing Unary Boolean Grammars Using Online Convolution | Zoltan Esik Axiomatizing Regular Tree Languages | Hiking Tour (after Photo, 5km gentle walk) | Pierre McKenzie DAG evaluation and the red-blue problem | |
| 15:30-16:00 | Arrival | Jacques Duparc Why the Wadge Hierarchy of Omega-Regular Tree Languages is Huge | Christian Choffrut Extensions of Eilenberg, Elgot and Shepherdson's Theorem | | Alexander Rabinovich Decidable Expansions of Labelled Linear Orderings | |
| | | Coffee Break | Coffee Break | Coffee Break | Coffee Break | |
| 18:00 | Dinner | Dinner | Dinner | Dinner | Dinner | |