

Programm für den
17. Theorietag Automaten und Formale Sprachen
28.–29. September 2007, Leipzig

Freitag, 28. September

- 09:00–09:20 Friedrich Otto, Heiko Stamer
Eingeschränkte Restart-Baumautomaten
- 09:20–09:40 Frank G. Radmacher
An Automata Theoretic Approach to Rational Tree Relations
- 09:45–10:05 Matthias Wendlandt
XML-Like Grammars and Languages
- 10:05–10:25 Janis Voigtländer
On a Knuth-like 0-1-2-Principle for Parallel Prefix Computation
- 10:25–10:50 **Kaffeepause**
- 10:50–11:10 Benedikt Bollig
On the Expressive Power of 2-Stack Visibly Pushdown Automata
- 11:10–11:30 Stefan Göller, Dirk Nowotka
On a Non-Context-Free Extension of PDL
- 11:35–11:55 Martin Kutrib, Andreas Malcher, Larissa Werlein
Regulated Nondeterminism in Pushdown Automata
- 11:55–12:15 Suna Bensch
Betrachtungen zu schwach kontextabhängigen parallelen Grammatikformalissen
- 12:15–13:45 **Mittagspause**
- 13:45–14:05 Henning Bordihn, György Vaszil
Top-down Deterministic Parsing of Languages Generated by CD Grammar Systems
- 14:05–14:25 Jens Glöckler
Forgetting Automata and Closure Properties
- 14:30–14:50 Dieter Hofbauer, Johannes Waldmann
Equivalence of Match-, Change- and Inverse Match-Boundedness for Length-Preserving String Rewriting
- 14:50–15:10 Sibylle Schwarz, Renate Winter
Recognizability of Iterative Picture Languages
- 15:10–15:35 **Kaffeepause**

- 15:35–15:55 Torsten Stüber, Heiko Vogler
Weighted Monadic Datalog
- 15:55–16:15 Christian Mathissen
Weighted Logic for Nested Words
- 16:20–16:40 Karin Quaas, Manfred Droste
A Kleene-Schützenberger Theorem for Weighted Timed Automata
- 16:40–17:00 Dietrich Kuske
Schützenberger’s theorem on formal power series follows from Kleene’s theorem
- 17:00–17:20 Holger Petersen
Simulationen durch zeitbeschränkte Zählerautomaten
- 17:20–17:40 **Pause**
- 17:40–18:40 **Fachgruppensitzung**

Samstag, 29. September

- 08:30–08:50 Daniel Reidenbach, Johannes C. Schneider
Ein alternativer Primitivitätsbegriff für Wörter
- 08:50–09:10 Hermann Gruber, Markus Holzer, Martin Kutrib
On the Size of Higman-Haines Sets
- 09:15–09:35 Jöran Mielke
A Generalisation of Hausdorff-Dimension in Terms of ω -Languages
- 09:35–09:55 Thomas Hinze, R. Faßler, Thorsten Lenser, Naoki Matsumaru, Peter Dittrich
Effizient chemisch rechnen durch deterministische Reaktionssysteme mit Regelpriorisierung
- 9:55–10:15 **Kaffeepause**
- 10:15–10:35 Rudolf Freund, Marion Oswald
Symport/Antiport Systems with Partial Halting
- 10:35–10:55 Christian Hofmann
Operationelle Semantiken und Simulationskonzepte DNA-basierter Systeme
- 11:00–11:20 Rudolf Freund, Mihai Ionescu, Marion Oswald
Extended Spiking Neural P Systems with Spikes of Limited Lifetime
- 11:20–11:40 Aneta Binder, Rudolf Freund, Marion Oswald, Lorenz Vock
Modelling Logical Gates with ESNPA Systems
- 11:40–11:55 **Pause**

- 11:55–12:15 Olga Grinchtein, Martin Leucker
Learning Finite-State Machines from Inexperienced Teachers
- 12:15–12:35 Matthias Jantzen, Manfred Kudlek, Georg Zetsche
Concurrent Finite Automata
- 12:40–13:00 Jürgen Dassow, Bianca Truthe
Zur Mächtigkeit von Netzwerken evolutionärer Prozessoren mit zwei Knotenarten