

26. Theorietag *Automaten und Formale Sprachen*  
23. Jahrestagung *Logik in der Informatik*

Programm (inkl. Vorträge)

**Dienstag, 04.10.2016**

**Theorietag *Automaten und Formale Sprachen***

12:30: Anmeldung und Welcome Buffet

14:45: Begrüßung

15:00-16:30

- Prianychnykova: The Trace Monoids in the Queue Monoid and in the Direct Product of Two Free Monoids
- Beier: Diving into the Queue
- Bordihn: Soliton-Automaten – Modellierung des Multi-Wellen-Falls

16:30: Kaffeepause

17:00-18:00

- Kwee: Ordered Restarting Automata: Recent Results and Open Problems
- Wang: On Languages Accepted By Weighted Restarting Automata

18:00-19:00: *Automaten und Formale Sprachen* Fachgruppensitzung

19:00: Abendessen

**Mittwoch, 05.10.2016**

**Theorietag *Automaten und Formale Sprachen***

9:00-10:30

- Truthe: On Bonded Sequential and Parallel Insertion Systems
- Paramasivan: Picture Scanning Automata
- Freund: Red-Green P Automata

10:30: Kaffeepause

11:00-12:30

- Kufleitner: The Word Problem for Omega-Terms over the Trotter-Weil Hierarchy
- Freydenberger: Descriptive Complexity of Spanner Representations
- Day: Ambiguity of Morphisms in Free Groups

12:30: Mittagessen

14:30-16:00

- Wendlandt: Expressive Capacity of Subregular Expressions
- Fernau: Allgemeine Grammatiken: Generierung und Akzeptierung von Sprachen
- Dassow: On the Number of Accepting States of Finite Automata

16:00: Kaffeepause

16:30-18:00

- Dück: Weighted Automata and Logics on Graphs
- Götze: A Kleene Theorem for Weighted Tree Automata over Tree Valuation Monoids
- Quaas: Synchronizing Data Words for Register Automata

18:30: Abendessen

20:00: Social Event – Teil 1

# Donnerstag, 06.10.2016

## Workshop

9:00-11:00

- Zetsche: Subword Based Abstractions of Formal Languages
- Masopust: Partially ordered nondeterministic finite automata

11:00: Kaffeepause

11:30-12:30

- Löding: Uniformization of Rational Relations by Sequential Transducers

12:30: Mittagessen

14:30-15:30

- Schweikardt:  $+\omega$ -Picture Languages Recognizable by Büchi-Tiling Systems

15:30: Kaffeepause

16:00-17:00

- Schnoor: Using Epistemic Logic to Reason About Security Protocols

17:00-18:00: *Logik in der Informatik* Fachgruppensitzung

18:30: Abendessen

20:00: Social Event – Teil 2

**Freitag, 07.10.2016**

**Jahrestagung *Logik in der Informatik***

9:00-10:30

- Babari: Weighted Register Automata and Weighted Logic on Data Words
- Abu Zaid: Uniformly Automatic Classes and Their Application in Finite Model Theory
- Haak: Model-theoretic Characterization of Counting Classes

10:30: Kaffeepause

11:00-12:30

- Schnoor: The Relative Succinctness and Expressiveness of Modal Logics Can Be Arbitrarily Complex
- Kufleitner: Efficient Algorithms for Morphisms over Omega-Regular Languages
- Kuske: Hanf Normal Form for First-order Logic with Unary Counting Quantifiers

12:30: Mittagessen

14:00-15:30

- Zetsche: First-order logic with reachability for valence automata over graph monoids
- Wilke: Past, Present, and Infinite Future
- Freydenberger: A Logic for Document Spanners

15:30: Verabschiedung und Abreise