

Thursday, August 17, 2017

8:15 – 8:55	Registration
8:55 – 9:00	Opening
9:00 – 10:00	Invited session 1 – chairman F. Mráz JIŘÍ WIEDERMANN AND JAN VAN LEEUWEN: <i>Non-Classical Turing Machines: Extending the Notion of Computation</i>
10:00 – 10:30	Coffee Break
10:30 – 11:00	Session 2 – chairman Giovanni Pighizzini , MARKUS HOLZER, MARTIN KUTRIB AND FRIEDRICH OTTO: <i>Two-Sided Strictly Locally Testable Languages</i>
11:00 – 11:30	ANDREAS MALCHER: <i>Decidability Questions for Insertion Systems</i>
11:30 – 11:45	GRZEGORZ MADEJSKI AND ANDRZEJ SZEPIETOWSKI: <i>Membership Problem for Two-Dimensional Jumping Finite Automata</i>
11:45 – 13:00	Lunch
13:00 – 13:30	Session 3 – chairman Martin Kutrib FRIEDRICH OTTO: <i>On Shrinking Restarting Automata</i>
13:30 – 14:00	QICHAO WANG: <i>On the Expressive Power of Weighted Restarting Automata</i>
14:00 – 14:30	MARTIN PLÁTEK, KAREL OLIVA AND DANA PARDUBSKÁ: <i>Analysis by Reduction of Analytical PDT-Trees</i>
14:30 – 15:00	Coffee break
15:00 – 15:30	Session 4 – chairman Galina Jirásková GIOVANNI PIGHIZZINI AND LUCA PRIGIONIERO: <i>Non-Self-Embedding Grammars and Descriptive Complexity</i>
15:30 – 16:00	HENNING FERNAU, MEENAKSHI PARAMASIVAN, AND D. GNANARAJ THOMAS: <i>Regular Grammars for Array Languages</i>
16:00 – 16:30	SANDRA ALVES AND SABINE BRODA: <i>Inhabitation Machines: Determinism and Principality</i>

Thursday, August 17, 2017

16:30 – 16:45	Break
16:45 – 17:15	Session 5 – chairman Benedek Nagy MICHAL AJDARÓW: <i>Minimality Problems for Promise Versions of Finite Automata</i>
17:15 – 17:45	TOMOYUKI YAMAKAMI: <i>A Recursive Definition of Quantum Polynomial Time Computability</i>
17:45 – 18:00	KAMIL KHADIEV AND ALIYA KHADIEVA: <i>Quantum Automata for Online Minimization Problems</i>
19:30	Workshop dinner at Profesní dům, Malostranské náměstí 25, Prague 1

Friday, August 18, 2017

9:00 – 10:00	Invited session 6 – chairman Rudolf Freund BIANCA TRUTHE: <i>Hierarchies of Language Families of Contextual Grammars</i>
10:00 – 10:30	Coffee Break
10:30 – 11:00	Session 7 – chairman Friedrich Otto GALINA JIRÁSKOVÁ AND MATÚŠ PALMOVSKÝ: <i>Star-Complement-Star and Kuratowski Algebras on Prefix-Free Languages</i>
11:00 – 11:30	CEZAR CÂMPEANU: <i>State Complexity of Distinguishability Combined with Boolean Operations</i>
11:30 – 11:45	PÁL DÖMÖSI AND GÉZA HORVÁTH: <i>A Novel Stream Cipher Based on Deterministic Finite Automaton</i>
11:45 – 13:00	Lunch

Friday, August 18, 2017

	Session 8 – chairman Daniel Průša
13:00–13:30	HENNING FERNAU, MARTIN KUTRIB AND MATTHIAS WENDLANDT: <i>Self-Verifying Pushdown Automata</i>
13:30–14:00	DÁVID ANGYAL AND BENEDEK NAGY: <i>An Extension of the LR Parsing Algorithm for Two-Head Pushdown Automata</i>
14:00–14:15	BOGDAN AMAN, PÉTER BATTYÁNYI, GABRIEL CIOBANU, AND GYÖRGY VASZIL: <i>P Systems with Costs and Their Relation to Priced Time Automata and Priced Time Petri Nets</i>
14:15–14:30	KRISTÓF KÁNTOR AND GYÖRGY VASZIL: <i>Variants of P Colony Automata</i>
14:30–14:45	Closing of NCMA 2017 with information on NCMA 2018