3rd International Workshop
Non-Classical Models of Automata and Applications
NCMA
July 18 – 19, 2011, Milano, Italy

Program

Monday, July 18, 2011	
09:00 – 09:30	Registration
09:30 – 09:40	Opening of NCMA 2011
09:40 – 10:40	*Invited Talk* Andris Ambainis (University of Rīga, Latvia) *Quantum Finite Automata*
10:40 – 11:10	Coffee Break
11:10 – 11:40	*Abuzer Yakaryilmaz* Superiority of One-Way and Realtime Quantum Machines and New Directions
11:40 – 12:10	*Alberto Bertoni, Maria Paola Bianchi, Flavio D'Alessandro* Regularity of Languages Defined by Formal Series with Isolated Cut Point
12:10 – 14:00	Lunch
14:00 – 14:30	*Richard Královič* On the Power of Randomization for One-Way Finite Automata
14:30 – 15:00	*Maria Paola Bianchi, Giovanni Pighizzini* Normal Forms for Unary Probabilistic Automata
15:00 – 15:30	*Ingmar Meinecke, Manfred Droste, Branimir Šešelja, Andreja Tepavčevic* A Cascade Decomposition of Weighted Finite Transition Systems
15:30 – 16:00	Coffee Break
16:00 – 16:30	*Benedek Nagy, Friedrich Otto, Marcel Vollweiler* Pushdown Automata with Translucent Pushdown Symbols
16:30 – 17:00	*Ulrich Ultes-Nitsche, Joël Allred* k-Counting Automata
17:00 – 17:30	*Michaël Cadilhac, Alain Finkel, Pierre McKenzie* On the Expressiveness of Parikh Automata and Related Models
20:00	Social Dinner: *Cantina Piemontese*, via Laghetto 2. Milano

All talks take place at Sala di Rappresentanza, located in the main building of the
Università degli Studi di Milano
via Festa del Perdono 7
close to Duomo (Milan cathedral)

Program

Tuesday, July 19, 2011	
09:15 – 09:30	Registration
09:30 – 10:30	*Invited Talk* Viliam Geffert (University of Košice, Slovakia) *An Alternating Hierarchy for Finite Automata*
10:30 – 11:00	*Martin Kutrib, Matthias Wendlandt* String Assembling Systems
11:00 – 11:30	Coffee Break
11:30 – 12:00	*Jürgen Dassow, Florin Manea, Bianca Truthe* Generating Networks of Splicing Processors
12:00 – 12:30	*Ondřej Klíma, Libor Polák* On Biautomata
12:30 – 13:00	*Miklós Bartha, Miklós Krész* Molecular Switching by Turing Automata
13:00	Closing of NCMA 2011

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