

CAI05 Scientific Program

Thursday, October 20, 2005

9:00-9:30	Registration
9:30-10:00	Opening
	Chair: Zoltan Ésik
10:00-11:00	Invited talk: On skew formal power series <i>Werner Kuich</i>
11:00-11:30	Automata and Patterns on Graphs <i>Symeon Bozapalidis and Antonios Kalampakas</i>
11:30-12:00	Coffee break
	Chair: Werner Kuich
12:00-13:00	Invited talk: An Algebraic Characterization of Temporal Logics on Finite Trees <i>Zoltan Ésik</i>
13:00-13:30	An Approach to the Embedding Problem for Codes Defined by Binary Relations <i>Do Long Van and Kieu Van Hung</i>
13:30-14:00	Real Functions computed by Parametric Weighted Finite Automata <i>German Tischler</i>

Friday, October 21, 2005

	Chair: Heiko Vogler
9:00-10:00	Invited talk: Weighted automata and weighted logics <i>Manfred Droste and Paul Gastin</i>
10:00-10:30	Recognizable and Rational Picture Series <i>Ina Mäurer</i>
10:30-11:00	Cut Hierarchies for Restarting Automata and Marcus t-Contextual Grammars <i>T. Jurdzinski, F. Mraz, F. Otto and M. Platek</i>
11:00-11:30	Coffee break
	Chair: Manfred Droste
11:30-12:30	Invited talk: Recognizable and Rational Formal Power Series with General Discounting <i>Manfred Droste and Heiko Vogler</i>
12:30-13:30	Invited talk: Monotone Operations and Monotone Groups <i>Costas Busch, Marios Mavronicolas and Paul Spirakis</i>
14:00	Conference lunch

Saturday, October 22, 2005

	Chair: Victor Mitrana
9:00-10:00	Invited talk: Is Quantum Randomness Algorithmic Random? <i>Christian Calude and Michael Dinneen</i>
10:00-10:30	Varieties of fuzzy languages <i>Tatjana Petković</i>
10:30-11:00	Insertion and Deletion for Involution Codes <i>Lila Kari and Kalpana Mahalingam</i>
11:00-11:30	Coffee break
	Chair: Christian Calude
11:30-12:30	Invited talk: The H_u-groups and Marty-Moufang Hypergroups <i>R. Bayon and N. Lygeros</i>
12:30-13:30	Invited talk: Descriptive and Computational Aspects of Generating and Accepting Hybrid Networks of Evolutionary Processors <i>Carlos Martin-Vide and Victor Mitrana</i>
	Lunch
	Chair: Paul Spirakis
16:30-17:30	Invited talk: The independence polynomial of a graph – a survey <i>Vadim Levit and Eugen Mandrescu</i>
17:30-18:00	Prefix Picture Sets and Picture Codes <i>Archontia Grammatikopoulou</i>
18:00-18:30	Coffee break
	Chair: Nikolaos Lygeros
18:30-19:30	Invited talk: (Title to be announced) <i>Juhani Karhumäki</i>
19:30-20:00	Syntactic ∞-Tree Languages <i>Symeon Bozapalidis</i>

Sunday, October 23, 2005

9:30	Excursion
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