

CAI 2009

Conference Program

Tuesday, May 19

9:00-10:00	Registration
10:00-10:15	Opening
Chair: Symeon Bozapalidis	
10:15-11:30	<i>Opening Lecture</i> Werner Kuich: <i>Cycle - free finite automata in partial iterative semirings</i>
11:30-12:00	Coffee Break
Chair: Werner Kuich	
12:00-13:00	<i>Invited Lecture</i> Bruno Courcelle: <i>On several proofs of the Recognizability Theorem</i>
13:00-15:00	Lunch
Chair: Bruno Courcelle	
15:00-16:00	<i>Invited Lecture</i> Detlef Plump: <i>The Graph Programming Language GP</i>
16:00-16:30	Symeon Bozapalidis, Antonios Kalampakas: <i>On the complexity of the syntax of tree languages</i>
16:30-17:00	Coffee Break
Chair: Detlef Plump	
17:00-17:30	Friedrich Otto, Heiko Stamer: <i>Single-path restarting tree automata</i>
17:30-18:00	Konstantinos Draziotis: <i>Computation of Pell numbers of the form pX^2</i>

Wednesday, May 20

9:00-9:30	Registration
Chair: Friedrich Otto	
9:30-10:30	<i>Tutorial</i> Wan Fokkink: <i>Process Algebra: An Algebraic Theory of Concurrency</i>
10:30-11:00	Zoltan Ésik, Tamas Hajgató: <i>Iteration grove theories with applications</i>
11:00-11:30	Coffee Break
Chair: Wan Fokkink	
11:30-12:30	<i>Invited Lecture</i> Dietrich Kuske: <i>Automatic structures: simple, difficult, rather unsolvable, and very unsolvable problems</i>
12:30-13:00	Andreas Maletti: <i>A backward and a forward simulation for weighted tree automata</i>
13:00-15:00	Lunch
Chair: Dietrich Kuske	
15:00-15:30	Andreas Maletti, Cătălin Ionuț Tîrnăucă: <i>Syntax-directed translations and quasi-alphabetic tree bimorphisms – revisited</i>
15:30-16:00	Dana Pardbuská, Martin Plátek, Friedrich Otto: <i>Parallel communicating grammar systems with regular control</i>
16:00-16:30	Coffee Break
Chair: Zoltan Ésik	
16:30-17:00	Gabriele Fici: <i>Combinatorics of finite words and suffix automata</i>
17:00-17:30	Ondřej Klíma, Libor Polák: <i>Polynomial operators on classes of regular languages</i>
20:00	Conference Dinner

Thursday, May 21

Chair: Libor Polák	
9:30-10:30	<i>Tutorial</i> Wan Fokkink: <i>Process Algebra: An Algebraic Theory of Concurrency</i>
10:30-11:00	Symeon Bozapalidis, Archontia Grammatikopoulou: <i>Eilenberg variety theorem for pictures</i>
11:00-11:30	Coffee Break
Chair: TBA	
11:30-12:30	<i>Tutorial</i> Alessandra Cherubini: <i>Picture languages: from Wang tiles to Grammars</i>
12:30-13:00	Marcella Anselmo, Maria Madonia: <i>A note on unambiguity, finite ambiguity and complementation in recognizable two-dimensional languages</i>
13:00-15:00	Lunch
15:00	Excursion to Vergina

Friday, May 22

Chair: TBA	
9:00-10:00	<i>Tutorial</i> Alessandra Cherubini: <i>Picture languages: from Wang tiles to Grammars</i>
10:00-10:30	Michel Bauderon, Rui Chen, Olivier Ly: <i>Context-free categorical grammars</i>
10:30-11:00	Coffee Break
Chair: Dimitrios Poulakis	
11:00-12:00	<i>Invited Lecture</i> Franz Winkler: <i>Canonical Reduction Systems in Symbolic Mathematics</i>
12:00-12:30	Gerasimos Meletiou: <i>Polynomial interpolation of the k-th root of the discrete logarithm</i>
12:30-13:00	Paraskevas Alvanos, Dimitrios Poulakis: <i>Solving norm form equations over number fields</i>
13:00-15:00	Lunch
Chair: Franz Winkler	
15:00-15:30	Christos Koukouvinos, Dimitris Simos: <i>Self-dual codes over small prime fields from combinatorial designs</i>
15:30-16:00	Bo Cui, Lila Kari, Shinnosuke Seki: <i>On the reversibility of parallel insertion, and its relation to comma codes</i>
16:00-16:30	Coffee Break
Chair: George Rahonis	
16:30-17:00	<i>Sponsor's Lecture</i> Ioannis Chatzigiannakis, O. Michail, Paul Spirakis: <i>Population Protocols and Generalizations</i>
17:00-18:00	<i>Future of CAI discussion + Closing</i>