

# CAI 2007

## Scientific Program

**Monday, May 21**

9:00-9:30	Registration
9:30-10:00	Opening
Chairman: <b>Jozef Gruska</b>	
10:00-11:00	<i>Opening Lecture</i> <b>Jean Berstel:</b> <i>Sturmian words, Sturmian trees, Sturmian graphs :a survey of some recent results</i>
11:00-11:30	<b>Antonios Kalampakas:</b> <i>The Syntactic Complexity of Eulerian Graphs</i>
11:30-12:00	Coffee Break
Chairman: <b>Jean Berstel</b>	
12:00-13:00	<i>Invited Lecture</i> <b>Hartmut Ehrig, Ulrike Prange:</b> <i>From Algebraic Graph Transformation to Adhesive HLR Categories and Systems</i>
13:00-13:30	<b>S. Nikolettseas, C. Raptopulos, P. Spirakis:</b> <i>The Second Eigenvalue of Random Walks on Symmetric Random Intersection Graphs</i>
13:30-16:00	Lunch
Chairman: <b>Zoltan Ésik</b>	
16:00-17:00	<i>Invited Lecture</i> <b>Jürgen Albert:</b> <i>On generalizations of weighted finite automata and graphics applications</i>
17:00-17:30	Coffee Break
17:30-18:30	<i>Invited Lecture</i> <b>Guo-Qiang Zhang:</b> <i>Bifinite Chu Spaces</i>

## Tuesday, May 22

9:00-9:30	Registration
	Chairman: <b>Jürgen Albert</b>
9:30-10:30	<i>Invited Lecture</i> <b>Frank Drewes:</b> <i>Delegation Networks</i>
10:30-11:00	<b>Zoltan Ésik, Szabolcs Iván:</b> <i>Aperiodicity in Tree Automata</i>
11:00-11:30	<b>Andreas Maletti:</b> <i>Learning Deterministically Recognizable Tree Series - Revisited</i>
11:30-12:00	Coffee Break
	Chairman: <b>Guo-Qiang Zhang</b>
12:00-12:30	<b>Frank Drewes, Johanna Högberg:</b> <i>An Algebra for Tree-Based Music Generation</i>
12:30-13:00	<b>Heiko Stamer, Friedrich Otto:</b> <i>Restarting Tree Automata and Linear Context-Free Tree Languages</i>

## Wednesday, May 23

	Chairman: <b>Oliver Matz</b>
9:30-10:30	<i>Invited Lecture</i> <b>Jarkko Kari:</b> <i>The tiling problem revisited</i>
10:30-11:00	<b>Jean-Marcel Pallo:</b> <i>Nonassociativity à la Kleene</i>
11:00-11:30	Coffee Break
	Chairman: <b>Dora Giammarresi</b>
11:30-12:30	<i>Invited Lecture</i> <b>Jozef Gruska:</b> <i>Algebraic Methods in Quantum Informatics</i>
12:30-13:00	<b>Iakovos Ouranos, Petros Stefanias:</b> <i>Verifying Security Protocols for Sensor Networks Using Algebraic Specification Techniques</i>
20:00	Conference dinner

## Thursday, May 24

Chairman: <b>Frank Drewes</b>	
9:30-10:30	<i>Invited Lecture</i> <b>Oliver Matz:</b> <i>Recognizable vs. Regular Picture Languages</i>
10:30-11:00	<b>G. Castiglione, R. Vaglica:</b> <i>Recognizable Picture Languages and Polyominoes</i>
11:00-11:30	Coffee Break
Chairman: <b>Jarkko Kari</b>	
11:30-12:30	<i>Invited Lecture</i> <b>Dora Giammarresi:</b> <i>Tiling Recognizable Two-dimensional Languages</i>
12:30-13:00	<b>Marcella Anselmo, Maria Madonia:</b> <i>Deterministic Two-dimensional Languages over One-Letter Alphabet</i>

## Friday, May 25

9:30	Excursion to Dion
------	-------------------