Scientific Programme
Weighted Automata: Theory and Applications

Monday, March 4, 2002

Time	Speaker	Title
09.00 - 09.45	W. Kuich	Formal Power Series and Formal Tree Series (Part 1)
09.50 - 10.35	W. Kuich	Formal Power Series and Formal Tree Series (Part 2)
break		
11.00 - 11.45	D. Kozen	An axiomatic approach to weighted automata (Part 1)
11.50 - 12.35	D. Kozen	An axiomatic approach to weighted automata (Part 2)
lunch		
14.00 - 15.00	S. L. Bloom, Z. Ésik	An extension theorem for Grove theories (invited lecture)
15.10 - 16.10	Z. Ésik	Equational theories of exotic semirings, an overview (invited lecture)
break		
16.50 - 17.15	S. Lombardy, J. Sakarovitch	Derivatives of rational expressions with multiplicity
17.15 - 17.40	J. Sakarovitch	On rational relations with multiplicity
17.40 - 18.05	J.J.M.M. Rutten	Coinductive Counting with Weighted Automata

Tuesday, March 5, 2002

Time	Speaker	Title
09.00 - 09.45	W. Kuich	Formal Power Series and Formal Tree Series (Part 3)
09.50 - 10.35	W. Kuich	Formal Power Series and Formal Tree Series (Part 4)
break		
11.00 - 11.45	D. Kozen	An axiomatic approach to weighted automata (Part 3)
11.50 - 12.35	D. Kozen	An axiomatic approach to weighted automata (Part 4)
lunch		
14.00 - 15.00	K. Zimmermann	Solution of (max-+)-linear inequality systems and some related topics (invited lecture)
15.10 - 16.10	J. Karhumäki	Weighted Finite Automata in Image Compression and Manipulation (invited lecture)
break		
16.50 - 17.15	H. Schulz	Computing Real Functions with Weighted Finite Automata
17.15 - 17.40	M. Droste D. Kuske	Weighted automata on infinite words
17.40 - 18.05	L. Staiger	Weighted finite automata and Metrics in Cantor space

Wednesday, March 6, 2002

Time	Speaker	Title
09.00 - 09.45	M. Mohri	Weighted Automata Algorithms (Part 1)
09.50 - 10.35	M. Mohri	Weighted Automata Algorithms (Part 2)
break		
11.00 - 11.45	S. Gaubert	Max-plus linear dynamical systems: theory and applications (Part 1)
11.50 - 12.35	S. Gaubert	Max-plus linear dynamical systems: theory and applications (Part 2)
lunch		
14.00 -		excursion

Thursday, March 7, 2002

Time	Speaker	Title
09.00 - 09.45	M. Mohri	Weighted Automata Algorithms (Part 3)
09.50 - 10.35	M. Mohri	Weighted Automata Algorithms (Part 4)
break		
11.00 - 11.45	S. Gaubert	Max-plus linear dynamical systems: theory and applications (Part 3)
11.50 - 12.35	S. Gaubert	Max-plus linear dynamical systems: theory and applications (Part 4)
lunch		
14.00 - 15.00	I. Petre	Families of semilinear formal power series (invited lecture)
15.10 - 16.10	Z. Fülöp, H. Vogler	Generalizations of tree transducers to tree series transducers (invited lecture)
break		
16.50 - 17.15	P. Buchholz, P. Kemper	Weak Equivalence for (max/+) Automata and Related Models
17.15 - 17.40	C. Martin-Vide, V. Mitrana, R. Stiebe	Weighted Grammars and Automata with Maximum Interpretation
17.40 - 18.05		discussion
20.00 -		conference dinner

Friday, March 8, 2002

Time	Speaker	Title
09.00 - 10.00	G. J. Olsder	Max-Plus Algebra and its Applications to Railway Systems (invited lecture)
10.10 - 11.10	B. Heidergott	Control and Optimization of Public Transportation Networks via (max,+) Algebra (invited lecture)
break		
11.30 - 11.55	P. Asveld	On Grammatical Errors and Other Imperfections
12.00 - 12.35	C. Allauzen, M. Mohri	On the Determinizability of Weighted Automata and Transducers
lunch		
14.00 - 15.00	B. Khoussainov	Automatic Algebraic Systems (invited lecture)
15.10 - 16.10	E. W. Stark	Performance Analysis for Probabilistic Input/Output Automata via Linear Representations (invited lecture)