Tuesday, June 1, 2004

08:30–09:00		Registration
09:00–09:45	J. Sakarovitch *Four lessons in the theory of weighted automata and transducers (I)*	Tutorial
09:45–10:30	J. Sakarovitch *Four lessons in the theory of weighted automata and transducers (II)*	Tutorial
10:30–11:00		Break
11:00–11:45	P. Butkovič *Max-algebra and its role in combinatorial optimisation (I)*	Tutorial
11:45–12:30	P. Butkovič *Max-algebra and its role in combinatorial optimisation (II)*	Tutorial
12:30–14:00		Lunch
14:00–15:00	Z. Ésik *An axiomatic basis for weighted automata*	Invited Lecture
15:00–16:00	W. Kuich *An algebraic generalization of Omega-languages*	Invited Lecture
16:00–16:40		Break
16:40–17:05	K. Zimmermann *Optimization problems with mixed* $(\bigoplus, \bigotimes)$*-linear constraints*	Technical Contribution
17:05–17:30	S. Lombardy *Rational series with multiplicities in* $(\min, +)$ *and* $(\max, +)$ *semirings and unambiguity*	Technical Contribution
17:30–17:45		Break
17:45–18:00	D. Kirsten, *I. Mäurer* *On subsequential, path-neutral, and unambiguous weighted automata*	Home-Speaker
18:00–18:15	M. Droste, *U. Püschmann* *Weighted Büchi automata*	Home-Speaker

Wednesday, June 2, 2004

08:30–09:00		REGISTRATION
09:00–09:45	J. Sakarovitch	TUTORIAL
	Four lessons in the theory of weighted automata and transducers (III)	
09:45–10:30	J. Sakarovitch	TUTORIAL
	Four lessons in the theory of weighted automata and transducers (IV)	
10:30–11:00		BREAK
11:00–11:45	P. Butkovič	TUTORIAL
	Max-algebra and its role in combinatorial optimisation (III)	
11:45–12:30	P. Butkovič	TUTORIAL
	Max-algebra and its role in combinatorial optimisation (IV)	
12:30–14:00		LUNCH
14:00–15:00	D. Kirsten	INVITED LECTURE
	Desert automata and the star height problem	
15:00–16:00	S. Bozapalidis	INVITED LECTURE
	Recognizable pattern series	
16:00–16:40		BREAK
16:40–17:05	S. Bozapalidis, *G. Rahonis*	TECHNICAL CONTRIBUTION
	On the closure of recognizable tree series under tree homomorphisms	
17:05–17:30	B. Borchardt, *Z. Fülöp* Zs. Gazdag, A. Maletti	TECHNICAL CONTRIBUTION
	Bounds for tree automata with polynomial costs	
17:30–17:45		BREAK
17:45–18:00	A. Maletti	HOME-SPEAKER
	Relating tree transducers and weighted tree automata	
18:00–18:15	B. Borchardt	HOME-SPEAKER
	The theory of recognizable tree series	

Thursday, June 3, 2004

08:30–09:00		REGISTRATION
09:00–09:45	S. Bistarelli, U. Montanari, *F. Rossi* *Semiring-based constraint logic programming and concurrent constraint programming (I)*	TUTORIAL
09:45–10:30	S. Bistarelli, U. Montanari, *F. Rossi* *Semiring-based constraint logic programming and concurrent constraint programming (II)*	TUTORIAL
10:30–11:00		BREAK
11:00–11:45	J. J. Kari *Image compression and image transformations using weighted finite automata (I)*	TUTORIAL
11:45–12:30	J. J. Kari *Image compression and image transformations using weighted finite automata (II)*	TUTORIAL
12:30–14:00		LUNCH
14:00–14:15	*D. Kuske*, R. Morin *Weighted asynchronous cellular automata*	HOME-SPEAKER
14:15–14:30	I. Meinecke *Weighted branching automata — Combining parallelism and weights*	HOME-SPEAKER
14:30–15:50		BREAK
15:50–18:00		EXCURSION

Friday, June 4, 2004

08:30–09:00		Registration
09:00–09:45	S. Bistarelli, U. Montanari, *F. Rossi* *Semiring-based constraint logic programming and concurrent constraint programming (III)*	Tutorial
09:45–10:30	S. Bistarelli, U. Montanari, *F. Rossi* *Semiring-based constraint logic programming and concurrent constraint programming (IV)*	Tutorial
10:30–11:00		Break
11:00–11:45	J. J. Kari *Image compression and image transformations using weighted finite automata (III)*	Tutorial
11:45–12:30	J. J. Kari *Image compression and image transformations using weighted finite automata (IV)*	Tutorial
12:30–14:00		Lunch
14:00–15:00	J. Albert *Generalizations of weighted finite automata and applications for images, videos and animations*	Invited Lecture
15:00–16:00	*F. Katritzke*, W. Merzenich, M. Thomas *Domain pool administration for image compression using weighted finite automata*	Invited Lecture
16:00–16:40		Break
16:40–17:05	G. Tischler *Properties and applications of parametric weighted finite automata*	Technical Contribution
17:05–17:30	J.-M. Champarnaud, *F. Guingne*, G. Hansel *Cover $\mathcal{K}$-automata*	Technical Contribution
17:30–17:45		Break
17:45–18:00	C. Pech *Formal series on infinite trees*	Home-Speaker
18:00–18:15	*S. Bader*, A. Scalzitti *Semiring artificial neural networks and weighted automata*	Home-Speaker
18:15–20:00		Break
20:00–		Conference Diner

Saturday, June 5, 2004

08:30–09:00		Registration
09:00–10:00	L. Staiger *Fractals, iterated function systems and weighted automata*	Invited Lecture
10:00–10:10		Break
10:10–10:35	A. Yli-Jyrä *Simplification of intermediate results during intersection of multiple weighted automata*	Technical Contribution
10:35–11:00	*M. Giraud*, D. Lavenier *Dealing with size limits in a hardware encoding of weighted finite automata*	Technical Contribution
11:00–11:40		Break
11:40–12:05	A, Kempe, F. Guingne, *F. Nicart* *New algorithms for weighted multi-tape automata*	Technical Contribution
12:05–12:30	A. Zollmann *A consistent and efficient estimator for data-oriented parsing*	Technical Contribution
12:05–14:00		Lunch