Monday, May 3, 2010

08:30–09:00		REGISTRATION
09:00–09:45	K. Larsen *Extensions of timed automata: verification and validation of real-time and embedded systems (I)*	TUTORIAL
09:55–10:40	J.-M. Nederhof *Equations for weighted grammars (I)*	TUTORIAL
10:40–11:15		BREAK
11:15–12:00	P. Gastin *On quantitative logics and weighted automata (I)*	TUTORIAL
12:00–13:30		LUNCH
13:30–14:30	C. Baier *Probabilistic automata and verification*	SURVEY LECTURE
14:30–15:30	A. Maletti *A gentle introduction to weighted extended top-down tree transducers*	SURVEY LECTURE
15:30–16:00		BREAK
16:00–16:25	Z. Fülöp, A. Maletti, and H. Vogler *Backward and forward application of extended tree series transformations*	TECHNICAL CONTRIBUTION
16:25–16:50	S. Bozapalidis, Z. Fülöp, and G. Rahonis *Equational weighted tree transformations*	TECHNICAL CONTRIBUTION
16:50–17:00		BREAK
17:00–17:25	D. Kirsten *An algebraic characterization of semirings for which the support of every recognizable series is recognizable*	TECHNICAL CONTRIBUTION
17:25–17:50	D. Kirsten and K. Quaas *Recognizability of the support of recognizable series over the semiring of the integers is undecidable*	TECHNICAL CONTRIBUTION

Tuesday, May 4, 2010

08:30–09:00		REGISTRATION

09:00–09:45	K. Larsen	TUTORIAL
	Extensions of timed automata:	
	verification and validation of real-time and embedded systems (II)	
09:55–10:40	J.-M. Nederhof	TUTORIAL
	Equations for weighted grammars (II)	

10:40–11:15		BREAK

11:15–12:00	P. Gastin	TUTORIAL
	On quantitative logics and weighted automata (II)	

12:00–13:30		LUNCH

13:30–14:30	P. Bouyer-Decitre	SURVEY LECTURE
	Energy management in timed systems	
14:30–14:55	U. Fahrenberg, C. Thrane, and K. G. Larsen	TECHNICAL CONTRIBUTION
	Linear and branching distances for weighted automata, and a corresponding logic	

14:55–15:25		BREAK

15:25–15:50	I. Fichtner and C. Mathissen	TECHNICAL CONTRIBUTION
	A Kleene-Schützenberger result for power series over rational monoids	
15:50–16:15	E. Mandrali	TECHNICAL CONTRIBUTION
	Weighted temporal logic with discounting	

16:15–16:30		BREAK

16:30–16:55	M. Droste and I. Meinecke	TECHNICAL CONTRIBUTION
	Characterizing weighted automata on average and in the long run by weighted logic	
16:55–17:20	Z. Fülöp, T. Stüber, and H. Vogler	TECHNICAL CONTRIBUTION
	Multioperator expressions – a weighted MSO-logic for trees using operations	
17:20–17:45	A. Yli-Jyrä	TECHNICAL CONTRIBUTION
	Conversions between crisply bipartite and unambiguous automata	

Wednesday, May 5, 2010

08:30–09:00		REGISTRATION
09:00–09:45	K. Larsen	TUTORIAL
	Extensions of timed automata: *verification and validation of real-time and embedded systems (III)*	
09:55–10:40	J.-M. Nederhof	TUTORIAL
	Equations for weighted grammars (III)	
10:40–11:15		BREAK
11:15–12:00	P. Gastin	TUTORIAL
	On quantitative logics and weighted automata (III)	
12:00–13:30		LUNCH
13:30–14:30	Z. Ésik	SURVEY LECTURE
	Complete axiomatizations of the behaviour of finite automata	
14:30–15:00		BREAK
15:00–18:30		EXCURSION
20:00–open		CONFERENCE DINNER

Thursday, May 6, 2010

08:30–09:00		REGISTRATION

09:00–09:45	K. Larsen	TUTORIAL
	Extensions of timed automata: *verification and validation of real-time and embedded systems (IV)*	
09:55–10:40	J.-M. Nederhof	TUTORIAL
	Equations for weighted grammars (IV)	

10:40–11:15		BREAK

11:15–12:00	P. Gastin	TUTORIAL
	On quantitative logics and weighted automata (IV)	

12:00–13:30		LUNCH

13:30–14:30	M. Ćirić	SURVEY LECTURE
	Fuzzy and weighted automata: commonalities and differences	
14:30–14:55	M. Ćirić, M. Droste, J. Ignjatović, and H. Vogler	TECHNICAL CONTRIBUTION
	Determinization of weighted finite automata over strong bimonoids	

14:55–15:25		BREAK

15:25–15:50	Z. Jančić, J. Ignjatović, and M. Ćirić	TECHNICAL CONTRIBUTION
	Fuzzy and weigthed automata: determinization methods	
15:50–16:15	C. Teichmann, D. Quernheim, and T. Hanneforth	TECHNICAL CONTRIBUTION
	Observations on the generative capacities of semiring weighted finite state automata	

16:15–16:30		BREAK

16:30–16:55	D. Quernheim	TECHNICAL CONTRIBUTION
	Hyper-minimisation of weighted finite automata	
16:55–17:20	J. Bubenzer	TECHNICAL CONTRIBUTION
	Minimization of acyclic finite-state automata	
17:20–17:40	M. Droste	TECHNICAL CONTRIBUTION
	Lattice-valued automata and logics	

17:40–open		DISCUSSION

Friday, May 7, 2010

08:30–09:00		REGISTRATION
09:00–10:00	D. Kuske	SURVEY LECTURE
	Weighted automata and automatic structures	
10:00–10:25	B. Bollig, P. Gastin, B. Monmege, and M. Zeitoun	TECHNICAL CONTRIBUTION
	Pebble weighted automata and transitive closure logics	
10:25–10:45		BREAK
10:45–11:10	A. Stamenković, M. Ćirić, and J. Ignjatović	TECHNICAL CONTRIBUTION
	Alternate reductions of fuzzy automata	
11:10–11:35	N. Damljanović, M. Ćirić, and J. Ignjatović	TECHNICAL CONTRIBUTION
	Fuzzy automata: equivalence and bisimulation	
11:40–12:05	I. Jančić, J. Ignjatović, and M. Ćirić	TECHNICAL CONTRIBUTION
	Fuzzy automata: weak bisimulations	
12:05–12:30	J. Waldmann	TECHNICAL CONTRIBUTION
	Growth functions for ordered monoids and semirings	