

Scientific Programme of WATA 2006

Leipzig University,
Rektoratsgebäude, Neuer Senatssaal, Ritterstraße 26, Leipzig

Monday, March 27, 2006

08.30 – 09.00	REGISTRATION
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09.00 – 10.30	J. Albert (Würzburg)	TUTORIAL
	<i>Generating images and videoclips by weighted finite automata</i>	

10.30 – 11.00	BREAK
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11.00 – 12.00	W. Kuich (Wien)	INVITED LECTURE
	<i>Fuzzy regular languages over finite and infinite words</i>	

12.00 – 14.00	LUNCH
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14.00 – 15.00	J. Kari (Turku/Iowa)	INVITED LECTURE
	<i>Survey: Finite state methods for image analysis and manipulation</i>	
15.00 – 15.30	P. Steinby (Turku)	
	<i>Observations on the smoothness properties of real functions computed by weighted finite automata</i>	

15.30 – 16.00	BREAK
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16.00 – 16.30	G. Tischler (Würzburg)	
	<i>Parametric weighted finite automata with unary alphabet</i>	
16.30 – 17.00	A. Maletti (Dresden)	
	<i>Preservation of recognizability for o-substitution</i>	

Tuesday, March 28, 2006

08.30 – 09.00	REGISTRATION	
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09.00 – 10.30	J. Albert (Würzburg)	TUTORIAL
	<i>Generating images and videoclips by weighted finite automata</i>	

10.30 – 11.00	BREAK	
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11.00 – 12.00	P. Gastin (Paris-Cachan)	INVITED LECTURE
	<i>Weighted automata and weighted logics</i>	

12.00 – 14.00	LUNCH	
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14.00 – 15.00	I. Meinecke (Leipzig)	INVITED LECTURE
	<i>Weighted concurrency</i>	

15.00 – 15.30	I. Mäurer (Leipzig)	
	<i>Characterizations of recognizable picture series</i>	

15.30 – 16.00	BREAK	
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16.00 – 16.30	Ch. Mathissen (Leipzig)	
	<i>Recognizable skew formal power series over trace monoids</i>	

16.30 – 17.00	S. Schwarz (Halle-Wittenberg)	
	<i>Lukasiewicz logic and automata over MV-algebras</i>	

17.00 – 17.30	SHORT COMMUNICATION & RESEARCH SESSION	
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Wednesday, March 29, 2006

08.30 – 09.00 REGISTRATION

09.00 – 10.30 J. Gruska (Brno) TUTORIAL
Quantum (finite) automata: an invitation

10.30 – 11.00 BREAK

11.00 – 12.00 W. Kuich (Wien) INVITED LECTURE
Transducers for ω -languages – an algebraic generalization

12.00 – 14.00 LUNCH

14.00 – EXCURSION & FREE TIME

Thursday, March 30, 2006

08.30 – 09.00	REGISTRATION	
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09.00 – 10.30	J. Gruska (Brno) <i>Quantum (finite) automata: an invitation</i>	TUTORIAL
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10.30 – 11.00	BREAK	
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11.00 – 12.00	C. Baier (Bonn) <i>Probabilistic ω-automata</i>	INVITED LECTURE
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12.00 – 14.00	LUNCH	
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14.00 – 15.00	S. Bozapalidis (Thessaloniki) <i>Picture deformation</i>	INVITED LECTURE
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15.00 – 15.30	J. Waldmann (Leipzig) <i>Weighted automata for proving termination of string rewriting</i>	
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15.30 – 16.00	BREAK	
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16.00 – 17.30	SHORT COMMUNICATION & RESEARCH SESSION	
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19.00 –	CONFERENCE DINNER	
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Friday, March 31, 2006

08.30 – 09.00	REGISTRATION
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09.00 – 10.00	G. Rahonis (Thessaloniki)	INVITED LECTURE
	<i>Weighted logics on infinite words and trees</i>	

10.00 – 10.30	BREAK
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10.30 – 11.00	G. Tischler (Würzburg)
	<i>Hybridization of near random to random access video compression with weighted finite automata</i>

11.00 – 11.30	D. Kirsten (Dresden)
	<i>A Burnside approach to the termination of Mohri's algorithm for polynomially ambiguous min-plus-automata</i>

11.30 – 12.30	LUNCH
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