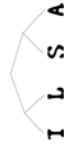




**8<sup>th</sup> International Conference on Language and Automata Theory and Applications**  
 LATA 2014, March 10 - 14, 2014  
 Madrid, Spain  
 Program



<b>Thursday, March 13 (continued)</b>	
14:30 – 15:45	HAIZHOU LI, FRANÇOIS PINET, FAROUK TOUMANI: <i>Probabilistic Simulation for Probabilistic Data-aware Business Processes</i>
	DANIEL BUNDALA, JAKUB ZÁVODNÝ: <i>Optimal Sorting Networks</i>
	ETIENNE DUBOURG, DAVID JANIN: <i>Algebraic Tools for the Overlapping Tile Product</i>
15:45 – 16:00	Break
16:00 – 17:15	LUCA BREVEGLIERI, STEFANO CRESPI REGHIZZI, ANGELO MORZENTI: <i>Shift-Reduce Parsers for Transition Networks</i>
	GADI ALEKSANDROWICZ, ANDREI ASINOWSKI, GILL BAREQUET, RONNIE BAREQUET: <i>Formulae for Polyominoes on Twisted Cylinders</i>
	ALEXANDRE BLONDIN MASSÉ, AMADOU MAKHTAR TALL, HUGO TREMBLAY: <i>On the Arithmetics of Discrete Figures</i>

<b>Friday, March 14</b>	
9:00 – 9:50	JAVIER ESPARZA: <i>A Brief History of Strahler Numbers (II) – Invited Tutorial</i>
9:50 – 10:00	Break
10:00 – 11:15	HANNA KLAUDEL, MACIEJ KOUTNY, ZHENHUA DUAN: <i>Interval Temporal Logic Semantics of Box Algebra</i>
	PIERRE GANTY, AHMED REZINE: <i>Ordered Counter-Abstraction: Refinable Subword Relations for Parameterized Verification</i>
	MATTHEW GWYNNE, OLIVER KULLMANN: <i>On SAT Representations of XOR Constraints</i>
11:15 – 11:45	Coffee Break
11:45 – 13:00	BERND FINKBEINER, HAZEM TORFAH: <i>Counting Models of Linear-time Temporal Logic</i>
	CLAUDIA CARAPELLE, SHIGUANG FENG, OLIVER FERNÁNDEZ GIL, KARIN QUAAS: <i>Satisfiability for MTL and TPTL over Non-Monotonic Data Words</i>
	JOACHIM KLEIN, DAVID MÜLLER, CHRISTEL BAIER, SASCHA KLÜPPELHOLZ: <i>Are Good-for-games Automata Good for Probabilistic Model Checking?</i>
13:00	Closing

<b>Monday, March 10</b>	
9:30 – 10:30	Registration
10:30 – 10:40	Opening
10:40 – 11:30	HELMUT SEIDL: <i>Interprocedural Information Flow Analysis of XML Processors – Invited Lecture</i>
11:30 – 11:45	Break
11:45 – 13:00	ALBERTO DENNUNZIO, ENRICO FORMENTI, LUCA MANZONI: <i>Extremal Combinatorics of Reaction Systems</i>
	FERNANDO ARROYO, SANDRA GÓMEZ CANAVAL, VICTOR MITRANA, ȘTEFAN POPESCU: <i>Networks of Polarized Evolutionary Processors are Computationally Complete</i>
	LIANG DING, ABDUL SAMAD, XINGRAN XUE, XIUZHEN HUANG, RUSSELL L. MALMBERG, LIMING CAI: <i>Stochastic k-Tree Grammar and its Application in Biomolecular Structure Modeling</i>
13:00 – 14:30	Lunch
14:30 – 15:45	BÉATRICE BÉRARD, OLIVIER CARTON: <i>Channel Synthesis Revisited</i>
	DANIEL PRŮŠA: <i>Weight-reducing Henne Machines and Their Descriptive Complexity</i>
	MANFRED DROSTE, STEFAN DÜCK: <i>Weighted Automata and Logics for Infinite Nested Words</i>
15:45 – 16:00	Break
16:00 – 17:15	FRIEDRICH OTTO, FRANTIŠEK MRÁZ: <i>Extended Two-Way Ordered Restarting Automata for Picture Languages</i>
	SANG-KI KO, YO-SUB HAN, KAI SALOMAA: <i>Top-Down Tree Edit-Distance of Regular Tree Languages</i>
	BERTRAM FELGENHAUER, RENÉ THIEMANN: <i>Reachability Analysis with State-Compatible Automata</i>
17:15 – 17:45	Coffee Break
17:45 – 18:35	LESLIE A. GOLDBERG: <i>The Complexity of Approximate Counting – Invited Lecture</i>

<b>Tuesday, March 11</b>	
9:00 – 9:50	SANJEEV KHANNA: <i>Matchings, Random Walks, and Sampling – Invited Lecture</i>
9:50 – 10:00	Break
10:00 – 11:15	NIKO BEERENWINKEL, STEFANO BERETTA, PAOLA BONIZONI, RICCARDO DONDI, YURI PIROLA: <i>Coerating Pairs in Directed Acyclic Graphs</i>
	EIKE BEST, RAYMOND DEVILLERS: <i>Characterisation of the State Spaces of Live and Bounded Marked Graph Petri Nets</i>
	MARÍA MARTOS-SALGADO, FERNANDO ROSA-VELARDO: <i>Expressiveness of Dynamic Networks of Timed Petri Nets</i>
11:15 – 11:45	Coffee Break
11:45 – 13:00	BIRESWAR DAS, PATRICK SCHARPFENECKER, JA-COBO TORÁN: <i>Succinct Encodings of Graph Isomorphism</i>
	MATTHIAS GALLÉ, MATÍAS TEALDI: <i>On Context-Diverse Repeats and their Incremental Computation</i>
	MARCELLA ANSELMO, DORA GIAMMARRESI, MARIA MADONIA: <i>Picture Codes with Finite Deciphering Delay</i>
13:00 – 14:30	Lunch
14:30 – 15:45	PAUL TARAU: <i>Computing with Catalan Families</i>
	JOAN BOYAR, SHAHIN KAMALI, KIM S. LARSEN, ALBJAN-DRO LÓPEZ-ORTIZ: <i>On the List Update Problem with Advice</i>
	ROB GYSEL: <i>Minimal Triangulation Algorithms for Perfect Phylogeny Problems</i>
15:45 – 16:00	Break
16:00 – 17:15	GRÉGOIRE LAURENCE, AURÉLIEN LEMAY, JOACHIM NIEHREN, SŁAWEK STAWORKO, MARC TOMMASI: <i>Learning Sequential Tree-to-word Transducers</i>
	DARIUSZ KALOCINSKI: <i>On Computability and Learnability of the Pumping Lemma Function</i>
	SLIMANE BELLAOUAR, HADDA CHERROUN, DJELLOUL ZIADI: <i>Efficient List-based Computation of the String Subsequence Kernel</i>

We acknowledge the support by:



<b>Wednesday, March 12</b>	
9:00 – 9:50	OSCAR H. IBARRA: <i>On the Parikh Membership Problem for FAs, PDAs, and CMs – Invited Lecture</i>
9:50 – 10:00	Break
10:00 – 11:15	MARIUS KONITZER, HANS ULRICH SIMON: <i>DFA with a Bounded Activity Level</i>
	SHENGEN ZHENG, JOZEF GRUSKA, DAOWEN QIU: <i>On the State Complexity of Semi-Quantum Finite Automata</i>
	VOJTECH VOREL: <i>Complexity of a Problem Concerning Reset Words for Eulerian Binary Automata</i>
11:15 – 11:45	Coffee Break
11:45 – 13:00	PASCAL CARON, MARIANNE FLOURET, LUDOVIC MIGNOT: <i>(k, l)-Unambiguity and Quasi-Deterministic Structures: an Alternative for the Determinization</i>
	ZUZANA BEDNÁROVÁ, VILIAM GEFERT: <i>Two Double-Exponential Gaps for Automata with a Limited Pushdown</i>
	PAROSH AZIZ ABDULLA, MOHAMED FAOUZI ATIG, JARI STENMAN: <i>Computing Optimal Reachability Costs in Priced Dense-Timed Pushdown Automata</i>
13:00 – 14:30	Lunch
15:45 – 17:45	Sightseeing in Madrid by Bus

<b>Thursday, March 13</b>	
9:00 – 9:50	JAVIER ESPARZA: <i>A Brief History of Strahler Numbers (I) – Invited Tutorial</i>
9:50 – 10:00	Break
10:00 – 11:15	ZEINAB MAZADI, ZIYUAN GAO, SANDRA ZILLES: <i>Distinguishing Pattern Languages with Membership Examples</i>
	FRANCINE BLANCHET-SADRI, ANDREW LOHR, SEAN SIMMONS, BRENT WOODHOUSE: <i>Computing Depths of Patterns</i>
	ALEXANDRE BLONDIN MASSÉ, SÉBASTIEN GABOURY, SYLVAIN HALLÉ, MICHAËL LAROCHE: <i>Solving Equations on Words with Morphisms and Antimorphisms</i>
11:15 – 11:45	Coffee Break
11:45 – 13:00	ANTON ČERNÝ: <i>Solutions to the Multi-Dimensional Equal Powers Problem Constructed by Composition of Rectangular Morphisms</i>
	ENRICO FORMENTI, MARKUS HOLZER, MARTIN KUTRIB, JULIEN PROVILLARD: <i><math>\omega</math>-rational Languages: High Complexity Classes vs. Borel Hierarchy</i>
	THOMAS WEIDNER: <i>Probabilistic <math>\omega</math>-Regular Expressions</i>
13:00 – 14:30	Lunch

