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# Language and Automata Theory and Applications

9th International Conference, LATA 2015 Nice, France, March 2–6, 2015 Proceedings



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## **Preface**

These proceedings contain the papers that were presented at the 9th International Conference on Language and Automata Theory and Applications (LATA 2015), held in Nice, France, during March 2–6, 2015.

The scope of LATA is rather broad, including: algebraic language theory; algorithms for semi-structured data mining; algorithms on automata and words; automata and logic; automata for system analysis and program verification; automata networks; automata, concurrency, and Petri nets; automatic structures; cellular automata; codes; combinatorics on words; computational complexity; data and image compression; descriptional complexity; digital libraries and document engineering; foundations of finite state technology; foundations of XML; fuzzy and rough languages; grammars (Chomsky hierarchy, contextual, unification, categorial, etc.); grammatical inference and algorithmic learning; graphs and graph transformation; language varieties and semigroups; language-based cryptography; parallel and regulated rewriting; parsing; patterns; power series; string and combinatorial issues in bioinformatics; string processing algorithms; symbolic dynamics; term rewriting; transducers; trees, tree languages, and tree automata; unconventional models of computation; weighted automata.

LATA 2015 received 115 submissions. Most of the papers were given at least three reviews by Program Committee members or by external referees. After a thorough and vivid discussion phase, the committee decided to accept 53 papers (which represents an acceptance rate of 46.09%). The conference program also included five invited talks. Part of the success in the management of such a large number of submissions was due to the excellent facilities provided by the EasyChair conference management system.

We would like to thank all invited speakers and authors for their contributions, the Program Committee and the reviewers for their cooperation, and Springer for its very professional publishing work.

December 2014

Adrian-Horia Dediu Enrico Formenti Carlos Martín-Vide Bianca Truthe

## **Organization**

LATA 2015 was organized by the National Scientific Research Center – CNRS, I3S, UMR 7271 Nice Sophia Antipolis University and the Research Group on Mathematical Linguistics – GRLMC, from Rovira i Virgili University, Tarragona.

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## **Contents**

## **Invited Talks**

Automated Synthesis of Application-Layer Connectors from Automata-Based Specifications	3
Automated Program Verification	25
Hankel Matrices: From Words to Graphs (Extended Abstract)	47
Complexity Classes for Membrane Systems: A Survey	56
The Shuffle Product: New Research Directions	70
Algorithms	
Average-Case Optimal Approximate Circular String Matching	85
An Efficient Best-Trees Algorithm for Weighted Tree Automata over the Tropical Semiring	97
Construction of a de Bruijn Graph for Assembly from a Truncated Suffix Tree	109
Frequent Pattern Mining with Non-overlapping Inversions  Da-Jung Cho, Yo-Sub Han, and Hwee Kim	121
A Parallel Algorithm for Finding All Minimal Maximum Subsequences via Random Walk	133
Building Bridges Between Sets of Partial Orders	145

Complexity of Road Coloring with Prescribed Reset Words	161
Automata, Logic, and Concurrency	
Logics for Unordered Trees with Data Constraints on Siblings	175
Weak and Nested Class Memory Automata	188
Insertion Operations on Deterministic Reversal-Bounded Counter Machines Joey Eremondi, Oscar H. Ibarra, and Ian McQuillan	200
On the Synchronizing Probability Function and the Triple Rendezvous Time:  New Approaches to Černý's Conjecture	212
On Robot Games of Degree Two	224
Time-Bounded Reachability Problem for Recursive Timed Automata	237
Is Undecidable	
On Observability of Automata Networks via Computational Algebra Rui Li and Yiguang Hong	249
Reasoning on Schemas of Formulas: An Automata-Based Approach Nicolas Peltier	263
Derivatives for Regular Shuffle Expressions	275
From $\omega$ -Regular Expressions to Büchi Automata via Partial Derivatives Peter Thiemann and Martin Sulzmann	287
Quotient of Acceptance Specifications Under Reachability Constraints Guillaume Verdier and Jean-Baptiste Raclet	299
Codes, Semigroups, and Symbolic Dynamics	
Structure and Measure of a Decidable Class of Two-dimensional Codes Marcella Anselmo, Dora Giammarresi, and Maria Madonia	315
On Torsion-Free Semigroups Generated by Invertible Reversible Mealy	
Automata	328

Contents	XIII
Coding Non-orientable Laminations	340
Preset Distinguishing Sequences and Diameter of Transformation Semigroups	353
Pavel Panteleev	
Hierarchy and Expansiveness in 2D Subshifts of Finite Type	365
Combinatorics on Words	
On the Number of Closed Factors in a Word	381
Online Computation of Abelian Runs	391
Coverability in Two Dimensions	402
Equation $x^i y^j x^k = u^i v^j u^k$ in Words	414
Square-Free Words over Partially Commutative Alphabets	424
On the Language of Primitive Partial Words	436
Complexity and Recursive Functions	
Complexity of Regular Functions	449
A Nonuniform Circuit Class with Multilayer of Threshold Gates Having Super Quasi Polynomial Size Lower Bounds Against NEXP	461
Finite Automata for the Sub- and Superword Closure of CFLs: Descriptional and Computational Complexity	473
A Game Characterisation of Tree-like Q-resolution Size	486
Recurrence Relations, Succession Rules, and the Positivity Problem Stefano Bilotta, Elisa Pergola, Renzo Pinzani, and Simone Rinaldi	499

over Dense Structures	511
Davide Bresolin, Dario Della Monica, Angelo Montanari, Pietro Sala, and Guido Sciavicco	
Parameterized Enumeration for Modification Problems	524
Preimage Problems for Reaction Systems	537
Parameterized Complexity of CTL: A Generalization of Courcelle's	<b>7.</b> 46
Theorem	549
Compression, Inference, Pattern Matching, and Model Checking	
Single-Pass Testing Automata for LTL Model Checking	563
Compressed Data Structures for Range Searching	577
Average Linear Time and Compressed Space Construction of the Burrows-Wheeler Transform	587
Backward Linearised Tree Pattern Matching	599
BFS-Based Symmetry Breaking Predicates for DFA Identification	611
Learning Conjunctive Grammars and Contextual Binary Feature Grammars  Ryo Yoshinaka	623
Graphs, Term Rewriting, and Networks	
Recognizable Series on Hypergraphs	639
Towards More Precise Rewriting Approximations	652
Sorting Networks: The End Game	664

Contents	XV
Bounding Clique-Width via Perfect Graphs	676
Order Structures for Subclasses of Generalised Traces	689
Transducers, Tree Automata, and Weighted Automata	
A Nivat Theorem for Weighted Picture Automata and Weighted  MSO Logic	703
Rational Selecting Relations and Selectors	716
A Hierarchy of Transducing Observer Systems	727
Sublinear DTD Validity	739
Author Index	753