

Preface

These proceedings contain the papers that were presented at the 11th International Conference on Language and Automata Theory and Applications (LATA 2017), held in Umeå, Sweden, during March 6–9, 2017.

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, automatic structures, codes, combinatorics on words, computational complexity, concurrency and Petri nets, data and image compression, descriptive complexity, foundations of finite-state technology, foundations of XML, grammars (Chomsky hierarchy, contextual, unification, categorial, etc.), grammatical inference and algorithmic learning, graphs and graph transformation, language varieties and semigroups, language-based cryptography, mathematical and logical foundations of programming methodologies, parallel and regulated rewriting, parsing, patterns, power series, string processing algorithms, symbolic dynamics, term rewriting, transducers, trees, tree languages and tree automata, weighted automata.

LATA 2017 received 73 submissions. Every paper was reviewed by three Program Committee members. There were also a few external experts consulted. After a thorough and vivid discussion phase, the committee decided to accept 31 papers (which represents an acceptance rate of about 42%). The conference program included four invited talks.

The excellent facilities provided by the EasyChair conference management system allowed us to deal with the submissions successfully and handle the preparation of these proceedings in time.

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

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