

# Preface

These proceedings contain the papers that were presented at the 10th International Conference on Language and Automata Theory and Applications (LATA 2016), held in Prague, Czech Republic, during March 14–18, 2016.

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; descriptive 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; mathematical and logical foundations of programming methodologies; 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 2016 received 119 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 42 papers (which represents an acceptance rate of about 35 %). 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.

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