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Alberto Leporati · Carlos Martín-Vide ·  
Dana Shapira · Claudio Zandron (Eds.)


# Language and Automata Theory and Applications

15th International Conference, LATA 2021  
Milan, Italy, March 1–5, 2021  
Proceedings

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# Preface

These proceedings contain the papers that were presented at the 15th International Conference on Language and Automata Theory and Applications (LATA 2021), held in Milan, Italy, during March 1–5, 2021.

Due to the Covid-19 pandemic, LATA 2020 and LATA 2021 were merged and held on these dates together. LATA 2020 proceedings were published as LNCS 12038.

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 programme 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, inductive 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 2021 received 52 submissions. Every paper was reviewed by three Programme Committee members. Some external experts were also consulted. After a thorough and vivid discussion phase, the committee decided to accept 26 papers (which represents an acceptance rate of exactly 50%). The conference program included 6 invited talks as well.

The excellent facilities provided by the EasyChair conference management system allowed us to deal with the submissions properly 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.

December 2020

Alberto Leporati  
Carlos Martín-Vide  
Dana Shapira  
Claudio Zandron

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