Logical Methods in Computer Science
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PREFACE

This Special issue of LMCS contains six full papers, of which the shorter version were presented at the 27th International Conference on Tools and Algorithms for the Construction and Analysis of Algorithms. The conference was intended to be held in Luxembourg City, Luxembourg, at the end of March 2021. Unfortunately, due to the Covid-19 epidemic, it was decided to hold the conference on-line.

TACAS is a forum for researchers, developers, and users interested in rigorously based tools and algorithms for the construction and analysis of systems. The conference aims to bridge the gaps between different communities with this common interest and to support them in their quest to improve the utility, reliability, flexibility, and efficiency of tools and algorithms for building computer-controlled systems.

There were 141 submissions to TACAS, which could be accompanied by an artefact. Out of these 47 papers were accepted. The refereeing procedure was single blind with the option to submit a rebuttal. There were 72 artifacts submitted, of which 57 were accepted. Accepted artifacts belonging to accepted papers could place an "artifact accepted" logo in their paper.

After careful consideration we selected a number of regular papers with high rankings to be presented in this special issue. These papers again went through a new refereeing process. We thank the referees for their conscious commenting of the papers, and the authors for taking the comments so carefully into account. For the tool papers a separate special issue with six contributions did appear in the journal on Software Tools for Technology Transfer [1].

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TACAS 2021, program chairs. LMCS, guest editors

[1] Peter Gjol Jensen and Thomas Neele. Tools and algorithms for the construction and analysis of systems: a special issue on tool papers for TACAS 2021. International Journal on Software Tools for Technology Transfer 25, 129-131 (2023).

All articles have already been published in the regular issues of Logical Methods in Computer Science.