Logical Methods in Computer Science
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PREFACE

CALCO 2021, the 9th Conference on Algebra and Coalgebra in Computer Science, took place as an hybrid event from Salzburg, Austria from August 30 until September 3, 2021. This special issue of Logical Methods in Computer Science contains extended versions of selected papers presented at the conference.

CALCO is a bi-annual conference formed by joining the forces and reputations of CMCS (International Workshop on Coalgebraic Methods in Computer Science) and WADT (Workshop on Algebraic Development Techniques). CMCS focuses on foundational aspects of algebras and coalgebras, and their emerging uses. WADT is concerned with the algebraic approach to system specification and to the formal design of software systems.

We thank the (local) organisers for their work in bringing the conference to fruition, given all the challenges brought by the ongoing COVID-19 pandemic: Henning Basold, Adriana Pratter, Jurriaan Rot, Sarah Sallinger, Ana Sokolova, and Michael Starzinger.

CALCO 2021 was co-located with MFPS XXXVII, and it also was held in cooperation with ACM SIGLOG. We are again grateful to everyone involved for their help.

Out of 40 submissions, the Programme Committee accepted 20 papers, of which 10 were regular papers, 7 (co)algebraic pearls, and 3 early ideas. Proceedings of the conference with the original contributions by invited speakers and submissions selected by the Programme Committee were published as volume 211 in the Dagstuhl LIPIcs series. We are pleased that both publication venues for our conference are open access.

This collection contains five papers, which were invited by the guest editors, after being selected by the Programme Committee as the top papers presented at the conference. All submitted papers were peer-reviewed according to the usual high standards of LMCS. The papers are *Sum and tensor of quantitative effects* by Giorgio Bacci, Radu Mardare, Prakash Panangaden, and Gordon Plotkin; *Pushdown automata and context-free grammars in bisimulation semantics* by Jos C. M. Baeten, Cesare Carissimo, and Bas Luttik; *Stream processors and comodels* by Richard Garner; *A Coinductive reformulation of Milner's proof system for regular expressions modulo bisimilarity* by Clemens Grabmayer; *Minimality notions via factorization systems and examples* by Thorsten Wißmann.

We would like to thank the authors of the papers in this special issue for their excellent submissions, and the referees for their careful and thorough work.

Fabio Gadducci, Alexandra Silva
CALCO 2021 Special Issue Editors

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