Logical Methods in Computer Science
https://lmcs.episciences.org

PREFACE

This special issue of Logical Methods in Computer Science contains selected papers presented at the 7th Conference on Algebra and Coalgebra in Computer Science (CALCO 2017) held in Ljubljana, Slovenia, June 14-16, 2017.

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

We would also like to thank the local organizers for their work in bringing such a wonderful conference to fruition: Andrej Bauer and Matija Pretnar. CALCO was co-located with MFPS XXXIII, and it was also held in cooperation with ACM SIGLOG. We are again grateful to everyone involved for their help.

The proceedings of the conference with the submissions selected by the programme committee were published as volume 72 in the Dagstuhl LIPIcs series. We are pleased that both publication venues for our conference are open access.

Based on the ranking of the papers by the programme committee and the opinion of expert reviewers we selected seven papers which reflect the high quality of the conference and represent a wide range of topics. We would like to thank the authors for their excellent submissions and we are happy to present the following contributions:

- Thomas Colcombet and Daniela Petrisan. "Automata Minimization: a Functorial Approach"
- Sebastian Enqvist and Yde Venema. "Disjunctive Bases: Normal Forms and Model Theory for Modal Logics"
- Brendan Fong and Fabio Zanasi. "Universal Constructions for (Co)Relations: Categories, Monoidal Categories, and Props"
- Harald König and Uwe Wolter. "Van Kampen Colimits and Path Uniqueness"
- Stefan Milius. "Proper Functors and Fixed Points for Finite Behaviour"
- David Reutter and Jamie Vicary. "A Classical Groupoid Model for Quantum Networks"
- Ana Sokolova and Harald Woracek. "Termination in Convex Sets of Distributions"

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

All papers were refereed in accordance with the usual high standards of LMCS. The guest editors would like to thank the programme committee members, the steering committee members, the external reviewers and the reviewers of the papers submitted to this special issue for their excellent work, as well as for the constructive discussions. Finally, we would like to thank the editors of LMCS for all their help and support.

Filippo Bonchi and Barbara König
CALCO 2017 Guest Editors and Program Chairs