Logical Methods in Computer Science
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PREFACE

This volume contains selected papers presented at the 8th Conference on Algebra and Coalgebra in Computer Science (CALCO 2019). The conference was held during June 3-6, 2019, in London, UK, collocated with the 35th Conference on the Mathematical Foundations of Programming Semantics (MFPS 2019).

CALCO is a well-established forum for fundamental research on theory, models, tools, and applications of algebra and coalgebra in computer science, with special interest in:

- Abstract models and logics
- Algebraic and coalgebraic semantics
- Corecursion in programming languages
- String diagrams and network theory
- System specification and verification
- Tools supporting algebraic and coalgebraic methods in verification
- Quantum computing with algebra and coalgebra

This special issue features five articles, ordered here by publication date:

- Tao Gu, Fabio Zanasi. Coalgebraic Semantics for Probabilistic Logic Programming.
- Jiří Adámek. Algebraic cocompleteness and finitary functors.
- Nick Bezhanishvili, Jim de Groot, Yde Venema. Coalgebraic Geometric Logic: Basic Theory.
- Samuel Balco, Alexander Kurz. Completeness of Nominal PROPs
- Marc de Visme, Glynn Winskel. Causal Unfoldings and Disjunctive Causes.

We wish to thank all the authors of submitted papers, all the members of the Program Committee for their thorough evaluations of the submissions, and the external reviewers who assisted the evaluation process and helped the authors to improve their contributions. We also thank the editors of LMCS for their support during the editorial process.

Markus Roggenbach, Ana Sokolova
CALCO 2019 Program Chairs and Guest Editors of the Special Issue

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