

PREFACE

This special issue contains extended versions of papers presented at FSCD 2021, the 6th International Conference on Formal Structures for Computation and Deduction, which was virtually held from July 17 to July 24.

FSCD (<https://fscd-conference.org/>) covers all aspects of formal structures for computation and deduction from theoretical foundations to applications. Building on two communities, RTA (Rewriting Techniques and Applications) and TLCA (Typed Lambda Calculi and Applications), FSCD embraces their core topics and broadens their scope to closely related areas in logic, models of computation, semantics, and verification in new challenging areas.

The papers selected for this special issue underwent a reviewing process in two stages. In the first stage, the FSCD program committee selected 28 papers out of 72 submissions. From the papers presented at the conference, we invited authors of 6 selected papers to submit revised and extended versions of their work to this special issue. In the second stage, the submitted extended papers were reviewed following the usual high standards of LMCS, and all the submissions were accepted at the end. The topics of the papers include rewriting, logics, type theory, lambda-calculus, and quantum programming languages, which reflect traditional and recent hot topics of FSCD.

We thank all the authors for their professional work to prepare submissions, and the reviewers for their constructive suggestions to improve the original submissions.

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Guest Editors of the FSCD 2021 Special Issue

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