

PREFACE

This special issue contains extended versions of papers presented at FSCD 2016, the 1st International Conference on Formal Structures for Computation and Deduction, which was held from June 22 to June 26, in Porto, Portugal.

FSCD (<http://fscdconference.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 logics, proof theory and new emerging models of computation.

The papers selected for this special issue underwent a reviewing process in two stages. During the first stage, the FSCD programme committee selected 28 technical papers and 4 system descriptions out of 82 initial submissions for publication in the proceedings of the conference. From the papers presented at the conference, we invited authors of the best eight papers to submit revised and extended versions of their work to this special issue. They reflect the high quality and the wide range of research presented at FSCD. In the second stage, the submitted extended papers were refereed in accordance with the usual high standards of LMCS. Each paper received two additional reviews.

We thank all the authors of the submitted papers and the programme committee of FSCD'16. We are especially grateful to the expert reviewers who agreed to review the papers submitted to this special issue for their diligence, constructive suggestions to improve the given papers, and timely effort.

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Guest Editors of the FSCD 2016 Special Issue

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