PREFACE

This special issue contains revised and extended versions of eight articles presented at CONCUR 2017, the 28th International Conference on Concurrency Theory, which was held on September 5–8, 2017 in Berlin, Germany. CONCUR took place as part of QONFEST (September 4–9, 2017), the joint international meeting of the conferences CONCUR, QEST, FORMATS, and EPEW, alongside with workshops and tutorials.

The purpose of CONCUR is to advance the theory of concurrency and promote its applications. The topics of interest include models of computation capturing the semantics of concurrent systems, logics for the specification of concurrent systems, verification and analysis techniques, the design of distributed algorithms and data structures, and theoretical aspects in systems development.

The papers selected for this special issue have undergone a two stage reviewing process. In preparation to the CONCUR conference, the program committee selected 36 regular research papers out of 82 submissions. From these papers, the eight best-ranked works (according to the reviews) were selected for submission of a revised and extended version to this special issue. In a second stage, each extended paper received two additional reviews from experts in the area, in accordance with the high standards of LMCS. The large number of selected papers demonstrates the high quality of submissions to CONCUR. The topics demonstrate the breadth of the research field represented by the conference.

We thank all authors for their excellent submissions to CONCUR and the authors of selected papers for their interest and effort in preparing an extended version. We are grateful to the program committee members and the external reviewers for their careful evaluation in the first phase. We thank the reviewers of this special issue for their effort and constructive criticism that lead to the final version of the articles. Our special thanks go to the CONCUR steering committee for numerous helpful suggestions on the conference organization. Finally, we thank LMCS for their help in producing the special issue.

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Guest Editors of the CONCUR 2017 Special Issue

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