PREFACE

This special issue contains six papers based on extended abstracts that were presented at the 44th International Colloquium on Automata, Languages and Programming (ICALP), which was held at the University of Warsaw, Poland, from July 10th to July 14th, 2017. The extended abstracts were among the top papers of those chosen for presentation at ICALP-Track B in a highly competitive peer-review process: the members of the program committee of Track B – Logic, Semantics, Automata and Theory of Programming – selected 32 papers out of 108 submissions. Compared with the extended abstracts that appeared in the conference proceedings, the papers in this issue have been extended by full proofs and additional results. Their topics reflect the diversity of the topics presented at ICALP-Track B, including automata theory, complexity and computability, logic, and probabilistic systems. The six papers underwent a further rigorous reviewing process, following the LMCS standard, completely independent of the selection process of ICALP 2017.

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