

# Preface

This volume contains the papers presented at the 26th European Symposium on Programming (ESOP 2017) held at Uppsala, Sweden, April 22–29, 2017. ESOP is one of the European Joint Conferences on Theory and Practice of Software (ETAPS). It is devoted to fundamental issues in the specification, design, analysis, and implementation of programming languages and systems.

The 36 papers in this volume are selected out of 112 submissions based on originality and quality. Each submission was reviewed by three to six Program Committee members and external reviewers, and its authors were given a chance to respond to these reviews through the rebuttal mechanism. All submissions, reviews, and author responses were considered during the extensive online discussions, which identified 64 submissions to be discussed further at the physical Program Committee meeting, which was held at Oxford during December 15–16, 2016. At the meeting, the Program Committee members compared the 64 submissions and made the final selection of 36 papers. For most of the other unselected 28 submissions, the Program Committee members added summaries of discussions at the meeting to their reviews, so as to help the authors understand decisions. The overall quality of the submissions was very high, and many good papers had to be rejected because of the strict limit on the number of papers to be presented at the conference.

The papers in the volume cover traditional as well as emerging topics in programming languages. Their topics are: semantic foundation and type system for probabilistic programming; techniques for verifying concurrent or higher-order programs; programming language for arrays or Web data; program analysis and verification of non-standard program properties; foundation and application of interactive theorem proving; graph rewriting; separation logic; session type; type theory; and implicit computational complexity.

I want to thank the authors who submitted papers for consideration, and the members of the Program Committee, who tried hard to come up with useful feedback and to reach fair decisions on the submissions. Without the help of the external reviewers, the Program Committee would not have been able to evaluate all the submissions. I am grateful to the past ESOP PC chairs and particularly to Giuseppe Castagna, who helped me to handle many organizational matters. I would like to thank the ETAPS 2017 general chair, Parosh Aziz Abdulla, and his support staff for their assistance, and the ETAPS Steering Committee and particularly its chair, Joost-Pieter Katoen, for their amazing work in organizing this big joint conference. EasyChair was used to handle the submissions, to carry out the online discussions, and to prepare these proceedings. Finally, I want to thank Microsoft Research for sponsoring the physical Program Committee meeting, and Junghun Yoo, Jayne Bullock, and Oxford CS staff for helping me to organize this meeting.

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