

Preface

This book contains the proceedings of FASE 2017, the 20th International Conference on Fundamental Approaches to Software Engineering, held in Uppsala, Sweden in April 2017, as part of the annual European Joint Conferences on Theory and Practice of Software (ETAPS 2017).

As usual for FASE, the contributions combine the development of conceptual and methodological advances with their formal foundations, tool support, and evaluation on realistic or pragmatic cases. As a result the volume contains regular research papers, long tool papers, and short tool demo papers. The papers in this volume cover a wide range of topics, such as program and system analysis, model transformations, configuration and synthesis, graph modeling and transformation, software product lines, test selection, and learning and inference. We hope that the community will find this volume engaging and worth reading.

The contributions included have been carefully selected. For the second time, FASE used a double-blind review process, as last year's experiment was considered valuable by authors and worth the additional effort of anonymizing the papers. We received 114 abstract submissions from 33 different countries, from which 91 full-paper submissions materialized. All papers were reviewed by three experts in the field, and after intense discussion, only 25 were accepted, giving an acceptance rate of 27%.

We thank the ETAPS 2017 organizers, Parosh Aziz Abdulla and his team, the ETAPS publicity chair, Tarmo Uustala, and the ETAPS SC chair, Joost-Pieter Katoen, for their support during the whole process. We thank all the authors for their hard work and willingness to contribute. Last but not least, we thank all the Program Committee members and external reviewers who invested time and effort in the selection process to ensure the scientific quality of the program.

January 2017

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Fundamental Approaches to Software Engineering
20th International Conference, FASE 2017, Held as Part
of the European Joint Conferences on Theory and
Practice of Software, ETAPS 2017, Uppsala, Sweden,
April 22-29, 2017, Proceedings
Huisman, M.; Rubin, J. (Eds.)
2017, XIII, 444 p. 130 illus., Softcover
ISBN: 978-3-662-54493-8