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%.

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