Preface

This volume contains the papers presented at TAP 2017, the 11th International Conference on Tests and Proofs. The TAP conference promotes research in verification and formal methods that targets the interplay of proofs and testing: the advancement of techniques of each kind and their combination, with the ultimate goal of improving software and system dependability. As in the four previous editions, TAP 2017 was part of STAF (Software Technologies: Applications and Foundations), a federation of leading conferences in software technology.

TAP 2017 took place in Marburg during July 16–20, 2017. The Program Committee (PC) received 16 paper submissions, each reviewed by three PC members. After two weeks of lively discussion and careful deliberation, we selected nine contributions for inclusion in this proceedings volume and presentation at the conference. The combination of topics highlights how testing and proving are increasingly seen as complementary rather than mutually exclusive techniques, and confirms TAP's commitment to bringing together researchers and practitioners from both areas of verification.

The program of TAP was nicely completed by a keynote talk by Reiner Hähnle (Technical University of Darmstadt, Germany), who also contributed an invited paper for this volume, and a tutorial by Achim D. Bruckner and Burkhart Wolff. We would like to thank the invited speaker for contributing an exciting presentation to the participants of STAF 2017.

We also thank the PC members and the additional reviewers for their timely and thorough reviewing work, and for contributing to an animated and informed discussion. Their names are listed on the following pages. The EasyChair system provided flawless technical support.

The organization of STAF made for a successful and enjoyable conference in a wonderful location. We thank all the organizers, and in particular the general chair, Gabriele Taentzer, and the organization chair, Christoph Bockisch, for their hard work; and we also thank the Technologie- und Tagungszentrum Marburg for hosting us.

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