

Preface

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. This volume contains the proceedings of TAP 2016, which marks a decade of TAP conferences since the first edition in 2007. As in the three previous editions, TAP 2016 was part of STAF (Software Technologies: Applications and Foundations), a federation of leading conferences in software technology.

TAP 2016 took place in Vienna during July 5–7, 2016. The Program Committee (PC) received 19 paper submissions, each reviewed by three PC members. After two weeks of lively discussion and careful deliberation, we selected 11 contributions (eight regular papers, one tool demonstration paper, and two short papers) 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 Kim G. Larsen (Aalborg University, Denmark) and an industrial keynote talk by Klaus Reichl (Thales, Austria), whose content is also documented in this volume. We would like to thank both invited speakers for contributing exciting presentations from the different perspective of academic research and industrial practice.

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 to the process.

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, Gerti Kappel, and the organization chair, Tanja Mayerhofer, for their hard work, and TU Wien for hosting us. Thanks also to Richard Schumi from TU Graz for managing TAP’s website.

July 2016

Bernhard K. Aichernig
Carlo A. Furia

Tests and Proofs

10th International Conference, TAP 2016, Held as Part
of STAF 2016, Vienna, Austria, July 5-7, 2016,

Proceedings

Aichernig, B.K.; Furia, C.A. (Eds.)

2016, XIV, 199 p. 51 illus., Softcover

ISBN: 978-3-319-41134-7