

# Preface

This volume contains the conference proceedings of the IFIP 28th International Conference on Testing Software and Systems, which was held October 17–19, 2016. The International Conference on Testing Software and Systems (ICTSS) addresses the conceptual, theoretic, and practical problems of testing software systems, including communication protocols, services, distributed platforms, middleware, embedded- and cyber-physical systems, and security infrastructures. ICTSS is the successor of previous (joint) conferences TESTCOM and FATES and aims to be a forum for researchers, developers, testers, and users to review, discuss, and learn about new approaches, concepts, theories, methodologies, tools, and experience in the field of testing communicating systems and software.

In 2016, the conference took place at the main building of the Technische Universität Graz, Austria. Conjointly with the main conference, three workshops were organized as part of the ICTSS workshop program, namely: the 4th International Workshop on Risk Assessment and Risk-Driven Quality Assurance (RISK), the Workshop on Digital Eco-Systems, and the Workshop on Quality Assurance in Computer Vision (QACV).

ICTSS received 41 submissions from 24 countries, which were evaluated in a rigorous single-blind peer reviewing process by a Program Committee including 53 experts and ten external reviewers. From the 41 submission, six were desk rejected because of substantial deviations from the submission requirements and lack of acceptable content. For the remaining 35 submissions, we received 105 reviews. Based on the reviews, of the 41 submissions, 13 (32 %) were accepted for inclusion in these proceedings as full papers, and eight (20 %) were accepted as short papers. From the short paper's authors decided to retract three papers from these proceedings.

We wish to thank all Program Committee members and additional reviewers for their great efforts in reviewing and discussing the submissions during the reviewing process. The outcome of the review process shows the effectiveness of the selection process and the commitment of the Program Committee to continue the high-quality standards of ICTSS.

The ICTSS 2016 program also included three keynotes given by distinguished scientists. Special thanks go to Gordon Fraser, Arnaud Gotlieb, and Jeff Offutt for their thought-provoking keynotes and their active participation in discussions during the conference.

Last but not least, we want to thank everyone who helped make ICTSS 2016 a success. This of course includes all authors, Program Committee members, Steering Committee members, reviewers, and keynote speakers, as well as the organizers, reviewers, and authors of the workshops. In addition we want to sincerely thank the participants of ICTSS, without whom a conference would never be a success.

October 2016

Franz Wotawa  
Mihai Nica  
Natalia Kushik

Testing Software and Systems

28th IFIP WG 6.1 International Conference, ICTSS 2016,

Graz, Austria, October 17-19, 2016, Proceedings

Wotawa, F.; Nica, M.; Kushik, N. (Eds.)

2016, XVIII, 257 p. 62 illus., Softcover

ISBN: 978-3-319-47442-7