

Preface

This volume contains the papers presented at the second in the SETTA (the Symposium on Dependable Software Engineering: Theories, Tools and Applications) series of conferences – held during November 9–11, 2016, in Beijing, China. The symposium series was inaugurated in 2015 to build a forum for computer scientists and software engineers from Chinese and international communities to exchange and inform each other of research ideas and activities, building new collaborations and strengthening existing collaborations among formal methods researchers inside and outside China. A key goal of SETTA is to especially encourage and nourish young researchers working in the use of formal methods in building software and cyber-physical systems.

SETTA 2016 received over 58 submissions of abstracts, with 45 of them as full-paper submissions by the submission deadline. These submissions were coauthored by researchers from 22 countries. Each submission was reviewed by at least three Program Committee (PC) members with help from reviewers outside the PC. After two weeks of online discussions, the committee decided to accept 20 papers for presentation at the conference (with the acceptance rate of 44 %); this includes 17 full papers and three short papers. It was decided to include short papers to provide a forum for participants to present research in progress. To alleviate presentational issues on some papers of good technical quality, shepherding by PC members was employed while preparing revisions. Such submissions were accepted after an additional round of reviewing leading to one submission being rejected.

We would like to express our gratitude to all the researchers who submitted their work to the symposium. We are particularly thankful to all colleagues who served on the PC, as well as the external reviewers, whose hard work in the review process helped us prepare a high-quality conference program. The international diversity of the PC as well as external reviewers is noteworthy as well: PC members and external reviewers have affiliations with institutes in 17 countries. Special thanks go to the invited speakers, Prof. Lee from the University of California, Berkeley, Prof. Sankaranarayanan of the University of Colorado, and Prof. Ying of the University of Sydney and Tsinghua University, for agreeing to present their research. The abstracts of the invited talks are included in this volume.

Like SETTA 2015, SETTA 2016 also had a young SETTA Researchers Workshop, which was held on November 12, 2016. Another inaugural event – the first National Conference on Formal Methods and Applications in China – was held during November 12–13, 2016.

A number of colleagues worked very hard to make this conference a success. We wish to express our gratitude especially to Prof. Shuling Wang for taking care of numerous activities related to the publicity, conference proceedings, and other aspects of the conference. We thank the conference chair, Huimin Lin, publicity chairs, Nils Muellner and Lijun Zhang, and the local Organizing Committee of Andrea Turini, Shuling Wang, Peng Wu, and Zhilin Wu. Finally, we enjoyed great institutional and

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