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# Automated Technology for Verification and Analysis

17th International Symposium, ATVA 2019  
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Proceedings

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# Preface

This volume contains the papers presented at the 17th International Symposium on Automated Technology for Verification and Analysis (ATVA 2019), which was held October 28–31, 2019, in Taipei, Taiwan. The conference is dedicated to the promotion of research on theoretical and practical aspects of automated analysis, verification, and synthesis by providing a forum for interaction between local and international research communities and industry in the field.

ATVA 2019 received 65 high-quality paper submissions, each of which received three reviews on average. After careful review, the Program Committee accepted 24 regular papers and three tool papers. The evaluation and selection process involved thorough discussions among members of the Program Committee through the EasyChair conference management system, before reaching a consensus on the final decisions.

To complement the contributed papers, we included in the program four keynote talks and three tutorials given by Armin Biere (JKU, Austria), Patricia Bouyer-Decitre (LSV, France), Rupak Majumdar (MPI-SWS, Germany), and Joseph Sifakis (Verimag, France), resulting in an exceptionally strong technical program.

We wish to thank all the authors who submitted papers for consideration, the members of the Program Committee for their conscientious work, and all additional reviewers who assisted the Program Committee in the evaluation process. Finally, we thank the Ministry of Science and Technology (Taiwan), fortiss research institute (Germany), Academia Sinica (Taiwan), and Springer for sponsoring ATVA 2019.

August 2019

Yu-Fang Chen  
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