

## Preface

This volume contains the proceedings of the 15th International Conference on Automated Technology for Verification and Analysis (ATVA 2017), held in Pune, India, during October 3–6, 2017. ATVA is a premier conference in the theoretical and practical aspects of formal verification and has traditionally been hosted in the Asia-Pacific region. This is the second time that the conference has been held in India.

The conference attracted a total of 78 high-quality submissions. Each submission received three reviews during a month-long review period, in which the 31 Program Committee members and 42 external reviewers provided their evaluation of these papers. After a two-week long electronic discussion using the EasyChair system, the Program Committee selected 29 papers (22 regular papers and seven tool papers) for presentation at the conference.

The Program Committee members devoted a significant amount of time in reviewing the papers and in the subsequent discussions. We deeply appreciate their contributions. We also thank the external reviewers for their insightful reviews.

The conference program also included three invited talks, delivered by Carla Ferreira, Gerwin Klein, and Helmut Seidl. We thank them for accepting our invitation and also for providing extended abstracts of their talks for the proceedings.

The conference was hosted by the Tata Consultancy Services at their Sahyadri Park Campus in Pune, India. The meticulous care and enthusiasm of the Organizing Committee from TCS, Pune, contributed immensely to the success of the conference. In particular, we wish to thank R. Venkatesh, the general chair of ATVA 2017, Ulka Shrotri, chair of the Organizing Committee, Kashmira Jhinjina, Kumar Madhukar, and Tukaram Muske.

We express our gratitude to the sponsors of ATVA 2017: The Indian Association for Research in Computing Science (IARCS), Tata Consultancy Services (TCS), Microsoft Research, Mathworks, and Springer.

The proceedings of the conference appears as part of the Springer *Lecture Notes in Computer Science* (LNCS), in the newly introduced Formal Methods subline. We thank Springer for the editorial help in publishing these proceedings.

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