

Preface

Static Analysis is increasingly recognized as a fundamental tool for program verification, bug detection, compiler optimization, program understanding, and software maintenance. The series of Static Analysis Symposia has served as the primary venue for the presentation of theoretical, practical, and applicational advances in the area. Previous symposia were held in Saint-Malo, Munich, Seattle, Deauville, Venice, Perpignan, Los Angeles, Valencia, Kongens Lyngby, Seoul, London, Verona, San Diego, Madrid, Paris, Santa Barbara, Pisa, Aachen, Glasgow, and Namur. This volume contains the papers presented at SAS 2016, the 23rd International Static Analysis Symposium. The conference was held on September 8–10, 2016 in Edinburgh, UK.

The conference received 55 submissions, each of which was reviewed by at least three Program Committee members. The Program Committee decided to accept 21 papers, which appear in this volume. As in previous years, authors of SAS submissions were able to submit a virtual machine image with artifacts or evaluations presented in the paper. In accordance with this, 19 submissions came with an artifact. Artifacts were used as an additional source of information during the evaluation of the submissions.

The Program Committee also invited four leading researchers to present invited talks: Jade Alglave (Microsoft Research UK), Thomas A. Henzinger (IST Austria, Klosterneuburg, Austria), Fausto Spoto (University of Verona, Italy), and Martin Vechev (ETH Zurich, Switzerland). We deeply thank them for accepting the invitations.

SAS 2016 was collocated with the Symposium on Logic-Based Program Synthesis and Transformation (LOPSTR 2016) and the Symposium on Principles and Practice of Declarative Programming (PPDP 2016) and it featured five associated workshops: the Workshop on Static Analysis and Systems Biology (SASB 2016) and the Workshop on Tools for Automatic Program Analysis (TAPAS 2016) were held before SAS, on the 7th of September; the Numerical and Symbolic Abstract Domains Workshop (NSAD 2016), the Workshop on Static Analysis of Concurrent Software, and REPS AT SIXTY were held after SAS, on the 11th of September.

The work of the Program Committee and the editorial process were greatly facilitated by the EasyChair conference management system. We are grateful to Springer for publishing these proceedings, as they have done for all SAS meetings since 1993.

Many people contributed to the success of SAS 2015. We would first like to thank the members of the Program Committee, who worked hard at carefully reviewing papers, holding extensive discussions during the on-line Program Committee meeting, and making final selections of accepted papers and invited speakers. We would also like to thank the additional referees enlisted by Program Committee members. We thank the Steering Committee members for their advice. A special acknowledgment

goes to James Cheney for leading the local organization of the conference and to the University of Edinburgh for hosting the Conference. Finally, we would like to thank our sponsors: Facebook, Fondation de l'ENS, and Springer.

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