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Third International Symposium, SAS '96
Aachen, Germany, September 24-26, 1996
Proceedings

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Foreword

Static analysis is increasingly recognised as a fundamental tool for high-performance implementations and verification systems of high-level programming languages. The last two decades have witnessed substantial developments in this area, ranging from theoretical frameworks to the design and implementation of analysers and their application in optimising compilers and program debugging.

The aim of SAS is to promote theory and applications of static analysis as a fundamental tool in high-performance language implementations and program verification. The symposium promotes contacts and information exchange among scientists who share common interests in static analysis for different programming paradigms. Researchers from the fields of concurrent, constraint, functional, imperative, logic and object-oriented programming constitute the audience of SAS.

This volume contains the proceedings of the Third International Static Analysis Symposium (SAS'96), held in Aachen (Germany) during 24–26 September 1996. It succeeds SAS'94, held in Namur (Belgium), SAS'95, held in Glasgow (UK), and the previous international workshops JTASPEFL'91 and WSA'92, which were held in Bordeaux (France), and WSA'93, which took place in Padova (Italy). The proceedings of WSA'93 are published by Springer-Verlag as Lecture Notes in Computer Science, volume 724; those of SAS'94 appear as volume 864 and those of SAS'95 as volume 983.

In response to the call for papers, 79 papers were submitted to SAS'96. All submitted papers were reviewed by at least three experts. The programme committee met on 21st June in Paris and, after lively discussion based on these referee reports, selected 22 high-quality papers (27% acceptation rate). In addition three papers were selected as 'system descriptions' in keeping with a desire to encourage practical experimentation.

At the symposium three invited talks were given by Alex Aiken, Flemming Nielson and Bernhard Steffen. This volume contains the invited presentations, the selected papers and system descriptions.

We thank the programme committee members and the referees for their care in reviewing the submitted papers. They are listed on the following pages.

SAS'96 was hosted together with ALP'96 and PLILP'96 by the Computer Science Department of Aachen University. The conferences were supported by the Association of Logic Programming, Esprit Compulog-Net, RWTH Aachen and SUN Microsystems. We express our gratitude to the local organisers Olaf Chitil, Michael Hanus, Herbert Kuchen, Markus Mohnen, Ulla Oebel, and Frank Zartmann for their contributions to SAS'96.

We also thank Patrick Cousot and Jacques Stern for arranging the Programme Committee meeting at École Normale Supérieure, the computer science laboratory of École Polytechnique (LIX) for the material support, and Beaudouin Le Charlier and Alan Mycroft for passing on their previous experience as SAS chairs.

Paris,
18 July 1996

R. Cousot and D.A. Schmidt

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The Programme Committee wish to express their grateful thanks to the many additional referees:

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