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Alan Mycroft (Ed.)

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Second International Symposium, SAS '95
Glasgow, UK, September 25-27, 1995
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.

This volume contains the proceedings of the Second International Static Analysis Symposium (SAS'95), held in Glasgow (UK) 25–27 September 1995. It succeeds SAS'94, held in Namur (Belgium), and the previous international workshops Jtaspefl 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.

The continuing aim of SAS'95 is to promote 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.

In response to the call for papers, 55 papers were submitted to SAS'95 by authors from Argentina, Australia, Belgium, Canada, Denmark, France, Germany, India, Italy, Japan, Spain, Sweden, Switzerland, the UK and the USA. All submitted papers were reviewed by at least 3 experts. The programme committee met on 8th June in Paris, and, after lively discussion based on these referee reports, selected 22 high quality papers. In addition two papers were selected as 'system descriptions' in keeping with a desire to encourage practical experimentation.

At the symposium three invited talks were given by David Schmidt, Mads Tofte and Pierre Wolper. This volume contains the three invited presentations and the selected papers and system descriptions.

I thank all members of the programme committee and all the referees for their care in reviewing the submitted papers. They are listed on the following pages. SAS'95 was hosted by the Department of Computer Science of Glasgow University and sponsored by the EU ESPRIT project "Sémantique".

I express my gratitude to the local organisers (Andy Gill and Simon Peyton Jones ably assisted by Helen McNee) for their contribution to SAS'95 and particularly for their taking over local organisation at short notice. I also thank Patrick Cousot for arranging the Programme Committee meeting at École Normale Supérieure and Baudouin Le Charlier for being a source of invaluable help in passing on his experience (and Latex files) from SAS'94. Finally I wish to thank Richard Mycroft for helping with the spreadsheet of referee scores.

Cambridge,
July 1995

Alan Mycroft

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