Foreword

This volume contains the proceedings of the 1998 international symposium on static analysis (SAS'98) which was held in Pisa (Italy), on September 14-16, 1998 and was part of a federated conference with ALP-PLILP'98 and several workshops. SAS'98 is the annual conference and forum for researchers in all aspects of static analysis. It follows to SAS'94, SAS'95, SAS'96 and SAS'97 which were held respectively in Namur (Belgium), Glasgow (UK), Aachen (Germany) and Paris (France), and the international workshops WSA'92 held in Bordeaux (France) and WSA'93 held in Padova (Italy).

In response to the call for papers, 48 papers were submitted. All papers were reviewed by at least three reviewers and the program committee met in Pisa to select 20 papers based on the referee reports. There was a consensus at the meeting that the technical papers were of very high quality. In addition to the submitted papers, SAS'98 had a number of outstanding invited speakers. Roberto Giacobazzi, Peter Lee, Amir Pnueli, Dave Schmidt, Scott Smolka, and Bernhard Steffen accepted our invitation to give invited talks or tutorials. Some of the papers (or abstracts) based on these talks are also included in this volume.

SAS'98 has been fortunate to rely on a number of individuals and organizations. I want to thank all the program committee members and referees, for their hard work in producing the reviews and for such a smooth and enjoyable program committee meeting. Special thanks go to the conference chairman, Maurizio Gabbrielli, and to my students in Pisa who helped me a lot. More special thanks go to Vladimiro Sassone, who made available to SAS'98 his excellent system for handling submissions and reviews on the web, and to Ernesto Lastres and Renè Moreno who were my "system managers". The use of this system made my life of program chairman much easier and I strongly recommend it to future program chairpersons.

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Giorgio Levi

July 1998

Program Committee of SAS'98

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Conference Chairman of SAS-ALP-PLILP'98

Maurizio Gabbrielli (Pisa, Italy)

List of Referees

Torben Amtoft	Andrew Appel	Roberto Bagnara
Dante Baldan	Bruno Blanchet	Rastislav Bodik
Andrew Bromage	Nicoletta Cocco	Thomas Conway
Patrick Cousot	Bart Demoen	Danny De Schreye
Alessandra Di Pierro	Manuel Faehndrich	Gilberto Filé
Jeff Foster	Pascal Fradet	Maurizio Gabbrielli
Etienne Gagnon	Roberto Giacobazzi	Robert Gluck
Eric Goubault	Susanne Graf	James Harland
Nevin Heintze	Frank Huch	Jesper Jorgensen
Andy King	Jens Knoop	Laura Lafave
Vitaly Lagoon	Martin Leucker	Michael Leuschel
Daniel Le Metayer	Henning Makholm	Elena Marchiori
Kim Marriott	Bern Martens	Markus Mueller-Olm
Anne Mulkers	Hanne Riis Nielson	Thomas Noll
Dino Pedreschi	Francesco Ranzato	Jakob Rehof
Olivier Ridoux	Eva Rose	Sabina Rossi
Oliver Ruething	David Sands	Fausto Spoto
Peter Stuckey	Zhendong Su	Cohavit Taboch
Simon Taylor	Peter Thiemann	Arnaud Venet
Zhe Yang	Phillip Yelland	