

Preface

Static analysis is a research area aimed at developing principles and tools for verification and semantics-based manipulation of programs and high-performance implementation of programming languages. The series of Static Analysis Symposia is a forum for the presentation and discussion of advances in the area.

This volume contains the papers accepted for presentation at the Ninth International Static Analysis Symposium (SAS 2002), which was held September 17-20, 2002 in Madrid, Spain. Previous SAS symposia were held in Paris, France (LNCS 2126), Santa Barbara, CA, USA (LNCS 1824), Venice, Italy (LNCS 1694), Pisa, Italy (LNCS 1503), Paris, France (LNCS 1302), Aachen, Germany (LNCS 1145), Glasgow, UK (LNCS 983), Namur, Belgium (LNCS 864), following the international workshop WSA in Padova, Italy (LNCS 724), Bordeaux, France (Bigre Vol. 81-82) and JTASPEFL/WSA, Bordeaux, France (Bigre Vol. 74).

In response to the call for papers, 86 contributions were submitted from 12 different countries. Following on-line discussions, the Program Committee met in Madrid on June 22, 2002, and selected 32 papers, basing this choice on their scientific quality and relevance to the symposium. Each paper was reviewed by at least three Program Committee members or external referees. In addition to the contributed papers, this volume includes abstracts of invited talks by Thomas Reps (University of Wisconsin, USA), Robert Hall (AT&T Labs Research, USA), and Javier Esparza (University of Edinburgh, United Kingdom).

On behalf of the Program Committee, the Program Chairs would like to thank all the authors who submitted papers and all the external referees for their careful work in the reviewing process. The support of the several funding agencies, listed later in the volume, which provided part of the funds for the organization of the conference is also gratefully acknowledged.

On this occasion, SAS was held concurrently with the 2002 International Workshop on Logic-Based Program Development and Transformation and the 2002 APPIA-GULP-PRODE Joint Conference on Declarative Programming as well as several workshops. We would like to express our gratitude to the members of the Local Organizing Committees of all the conferences co-located with SAS 2002 and the members of the organizing departments and institutions involved for the invaluable help and enthusiasm provided throughout the preparation and organization of the joint event.

Organization

Program Committee

Manuel Hermenegildo (Chair)	Technical University of Madrid, Spain
Germán Puebla (Co-chair)	Technical University of Madrid, Spain
Radhia Cousot	École Polytechnique, France
Saumya Debray	The University of Arizona, USA
Manuel Fahndrich	Microsoft Research, USA
Roberto Giacobazzi	University of Verona, Italy
Chris Hankin	Imperial College, UK
Giorgio Levi	University of Pisa, Italy
Kim Marriott	Monash University, Australia
Alan Mycroft	Cambridge University, United Kingdom
Ganesan Ramalingam	IBM T.J. Watson Research Center, USA
Martin Rinard	Massachusetts Institute of Technology, USA
Shmuel Sagiv	Tel-Aviv University, Israel
Reinhard Wilhelm	Universität des Saarlandes, Germany

Organizing Committee

SAS 2002 was organized by the following members of the School of Computer Science of the Technical University of Madrid:

Germán Puebla (Local Chair)	Jose Manuel Gómez
Manuel Hermenegildo (Local Co-chair)	Pedro López
Astrid Beascoa	José Morales
Francisco Bueno	Oscar Portela
Jesús Correias	Claudio Vaucheret

Referees

Scott Armenian	Jesús Correias
Roberto Bagnara	Patrick Cousot
Roberto Barbuti	Pierpaolo Degano
Jörg Bauer	Stephan Diehl
Bruno Blanchet	Alessandra Di Pierro
Bard Bloom	Nurit Dor
Chiara Bodei	Robert Ennals
Daniel Cabeza	Jérôme Feret
Manuel Carro	Gian L. Ferrari
Michael Codish	Gilberto Filé

Alessandro Fin
 Steve Fink
 Riccardo Focardi
 Jeffrey S. Foster
 Simon Frankau
 Maurizio Gabbrielli
 John Gallagher
 María García de la Banda
 Samir Genaim
 Deepak Goyal
 Roberta Gori
 Dave Grove
 Orna Grumberg
 René R. Hansen
 Nevin Heintze
 Pat M. Hill
 Mike Hind
 Yoram Hirshfeld
 Charles Hymans
 Gerda Janssens
 Bertrand Jeannot
 Neil Johnson
 Andy King
 Uday Khedker
 Peeter Laud
 Michael Leuschel
 Francesca Levi
 Annie Liu
 Francesco Logozzo
 Pedro López-García
 Andrea Maggiolo-Schettini
 Roman Manevich
 Julio Mariño
 Damien Massé
 Isabella Mastroeni
 Laurent Mauborgne
 Nancy Mazur
 Fred Mesnard
 Massimo Merro
 Antoine Miné

David Monniaux
 Susana Muñoz-Hernández
 Nicholas Nethercote
 Joachim Niehren
 Hans de Nivelle
 Robert O’Callahan
 Andreas Podelski
 Christian Probst
 Francesco Ranzato
 Xavier Rival
 David Sands
 Peter Schachte
 David Scott
 Francesca Scozzari
 Helmut Seidl
 Peter Sewell
 Ran Shaham
 Richard Sharp
 Roberto Segala
 Jeremy Singer
 Harald Søndergaard
 Fausto Spoto
 Vugranam. C. Sreedhar
 Martin Sulzmann
 Peter Stuckey
 Henrik Theiling
 Stephan Thesing
 Eben Upton
 Pawel Urzyczyn
 Wim Vanhoof
 Claudio Vaucheret
 Sven Verdoolaege
 Herbert Wiklicky
 Sebastian Winkel
 Jessie Xu
 Eran Yahav
 Enea Zaffanella
 Lenore Zuck

Sponsoring Institutions

The SAS 2002 conference was supported by the following organizations:

- Spanish Ministry of Science and Technology.
- Technical University of Madrid (UPM).
- Department of Computer Science, UPM.
- Department of Industrial Engineering, UPM.
- European Commission – Information Society Technologies Programme.
- CoLogNet, the European Network of Excellence in Computational Logic.

The SAS 2002 conference was organized in cooperation with the European Association for Programming Languages and Systems (EAPLS).

Static Analysis

9th International Symposium, SAS 2002, Madrid, Spain,

September 17-20, 2002. Proceedings

Hermenegildo, M.; Puebla, G. (Eds.)

2002, XII, 536 p., Softcover

ISBN: 978-3-540-44235-6