Preface

This volume contains the revised version of papers presented at AIOOL'05, the First International Workshop on Abstract Interpretation of Object-oriented Languages, held in Paris (France) on January 21, 2005, as a satellite event of the Sixth International Conference on Verification, Model Checking and Abstract Interpretation.

The main goal of the workshop was to provide a forum for discussing the main research directions in Abstract Interpretation for program analysis and verification, focusing on the specific issues raised by the Object-oriented Languages.

The success of the event (43 researchers registered for the workshop) was primarily due to the researchers who served in the program committee, namely:

- Bruno Blanchet (CNRS/ENS, Paris, France),
- Bor-Yuh Evan Chang (University of California, Berkeley, USA),
- Agostino Cortesi (co-chair, Università Ca' Foscari, Venice, Italy),
- Thomas Jensen (IRISA/ CNRS, Rennes, France),
- K. Rustan M. Leino (Microsoft Research, Redmond, USA),
- Francesco Logozzo (co-chair, École Polytechnique, Palaiseau, France),
- Jens Palsberg (University of California, Los Angeles, USA),
- Isabelle Pollet (University of Namur, Namur, Belgium),
- Michael I. Schwartzbach (University of Århus, Århus, Denmark),
- Jan Vitek (Purdue University, Purdue, USA).

The scientific contributions were carefully selected by the program committee on the basis of at least three reviews. The resulting volume offers the reader an interesting perspective of the current research trends in the area. In particular, the papers contribute to the following topics: Memory Manage-

ment, Analysis Specification, Program Transformation, Tools and Systems.

The AIOOL'05 program included an invited talk by K. Rustan M. Leino on *Writing specifications for object-oriented programs*.

The quality of the papers, the interesting discussions at the workshop, and the friendly atmosphere enjoyed by all participants in Paris at *La Maison des Polytechniciens*, encourage us in the project of making AIOOL an annual privileged forum for researchers in the area.

Finally, we wish to thank Radhia Cousot and Élodie-Jane Sims for helping us with the organization and the management of the workshop's website.

Agostino Cortesi and Francesco Logozzo
Program Co-Chairs, AIOOL'05
February 2005