Lecture Notes in Computer Science 6528

Commenced Publication in 1973
Founding and Former Series Editors:
Gerhard Goos, Juris Hartmanis, and Jan van Leeuwen

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Formal Verification of Object-Oriented Software

International Conference, FoVeOOS 2010
Paris, France, June 28-30, 2010
Revised Selected Papers

Springer

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Library of Congress Control Number: 2010941559

CR Subject Classification (1998): D.2.4, D.2, D.1.5, F.3, D.3, K.6, F.4

LNCS Sublibrary: SL 2 – Programming and Software Engineering

ISSN 0302-9743
ISBN-10 3-642-18069-8 Springer Berlin Heidelberg New York
ISBN-13 978-3-642-18069-9 Springer Berlin Heidelberg New York

Typesetting: Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India
Printed on acid-free paper 06/3180

Preface

Formal software verification has outgrown the area of academic case studies, and industry is showing serious interest. The logical next goal is the verification of industrial software products. Most programming languages used in industrial practice are object-oriented, e.g., Java, C++, or C#. The International Conference on Formal Verification of Object-Oriented Software (FoVeOOS 2010) aimed to foster collaboration and interaction among researchers in this area. It was held during June 28–30, 2010 in Paris, France.

FoVeOOS was organized by COST Action IC0701 (`www.cost-ic0701.org`), but it went beyond the framework of this action. The conference was open to the whole scientific community. All submitted papers were peer-reviewed, and of the 35 submissions, the Program Committee selected 23 for presentation at the conference. In addition to the contributed papers, the program of FoVeOOS 2010 included three excellent keynote talks. We are grateful to June Andronick (NICTA, Sydney, Australia), Kim G. Larsen (Aalborg University, Denmark), Francesco Logozzo (Microsoft Research, Redmond, USA) for accepting the invitation to address the conference.

This volume contains a selection of research papers and system descriptions presented at FoVeOOS 2010. Authors of the 23 papers presented at the conference[1] were invited to submit improved versions, to be reviewed a second time. Twenty-one submissions were received, and the Program Committee selected 11 of them. Additionally, two of the invited speakers provided papers, which were reviewed by the Program Committee and included in this volume.

We wish to sincerely thank all the authors who submitted their work for consideration. We also thank the Program Committee members as well as the additional referees for their great effort and professional work in the review and selection process. Their names are listed on the following pages.

It was a team effort that made the conference so successful. We particularly thank Sarah Grebing, Vladimir Klebanov, and Emmanuelle Perrot for their hard work and help in making the conference a success. In addition, we gratefully acknowledge the generous support of COST Action IC0701, Microsoft Research Redmond, the Institut National de Recherche en Informatique et Automatique (INRIA), and the Karlsruhe Institute of Technology

October 2010

Bernhard Beckert
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[1] Proceedings containing all papers presented at the conference are available at http://digbib.ubka.uni-karlsruhe.de/volltexte/1000019083.

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