Lecture Notes in Computer Science   4037

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

Editorial Board

Roberto Gorrieri   Heike Wehrheim (Eds.)

Formal Methods for Open Object-Based Distributed Systems

 Springer

Volume Editors

Roberto Gorrieri
Università di Bologna
Dipartimento di Scienze dell'Informazione
Mura A. Zamboni, 7, 40127 Bologna, Italy
E-mail: gorrieri@cs.unibo.it

Heike Wehrheim
Universität Paderborn
Institut für Informatik
Warburger Str. 100, 33098 Paderborn, Germany
E-mail: wehrheim@uni-paderborn.de

The original version of the book frontmatter was revised:
The copyright line were incorrect. The Erratum
to the book frontmatter is available at
DOI: 10.1007/978-3-540-34895-5_20

Preface

This volume contains the proceedings of the 8th IFIP International Conference on Formal Methods for Open Object-based Distributed Systems (FMOODS 2006). The conference was held in Bologna, Italy, 14-16 June 2006, as part of the federated multiconference DisCoTec (Distributed Computing Techniques), together with the 8th International Conference on Coordination Models and Languages (COORDINATION) and the 6th IFIP International Conference on Distributed Applications and Interoperable Systems (DAIS). DisCoTec was organized by the Department of Computer Science of the University of Bologna.

Established in 1996, the FMOODS series of conferences aims to provide an integrated forum for research on formal aspects of open object-based distributed systems. The FMOODS 2006 especially attracted novel contributions reflecting recent developments in the area, such as component- and model-based design, service-oriented computing, and software quality. Some more specific topics of interest were: semantics and implementation of object-oriented programming and (visual) modelling languages; formal techniques for specification, design, analysis, verification, validation and testing; formal methods for service-oriented computing; and integration of quality of service requirements into formal models.

These proceedings contain a selection of 16 research contributions, out of 51 submissions, which went through a rigorous review process by international reviewers. We therefore owe special thanks to all members of the Program Committee, and their sub-referees, for the excellent work they have done in the short time they had.

Additionally, these proceedings include three invited papers by Pierpaolo Degano (University of Pisa), José Luiz Fiadeiro (University of Leicester) and Davide Sangiorgi (University of Bologna).

Finally, our thanks go to the Organizing Committee of the DisCoTec federated conference, chaired by Gianluigi Zavattaro, for the excellent work done and for the support they gave in managing the submission system by Philippe Rigaux. We also gratefully acknowledge the financial support of the Department of Computer Science of the University of Bologna and from the EU-project SENSORIA.

June 2006   Roberto Gorrieri
                                                                        Heike Wehrheim

Organization

General Chair   Gianluigi Zavattaro (University of Bologna, Italy)
Program Chairs   Roberto Gorrieri (University of Bologna, Italy)
                     Heike Wehrheim (University of Paderborn, Germany)
Publicity Chair   Martin Steffen (University of Kiel, Germany)

Steering Committee

John Derrick (University of Sheffield, UK)
Roberto Gorrieri (University of Bologna, Italy)
Elie Najm (ENST, Paris, France)

Program Committee

Lynne Blair (U. of Lancaster, UK)
Eerke Boiten (U. of Kent, UK)
Nadia Busi (U. of Bologna, Italy)
John Derrick (U. of Sheffield, UK)
Alessandro Fantechi (U. of Florence, Italy)
Colin Fidge (U. of Queensland, Australia)
Robert France (Colorado State U., USA)
Roberto Gorrieri (U. of Bologna, Italy)
Reiko Heckel (U. of Leicester, UK)
Einar Broch Johnsen (U. of Oslo, Norway)
Doug Lea (State U. of New York, USA)
Elie Najm (ENST Paris, France)
Uwe Nestmann (TU Berlin, Germany)
Erik Poll (U. of Nijmegen, Netherlands)
Arend Rensink (U. Twente, Netherlands)
Ralf Reussner (U. of Karlsruhe, Germany)
Bernhard Rumpe (TU Braunschweig, Germany)
Martin Steffen (U. of Kiel, Germany)
Carolyn Talcott (SRI International, USA)
Andrzej Tarlecki (Warsaw University, Poland)
Vasco Vasconcelos (U. of Lisbon, Portugal)
Heike Wehrheim (U. of Paderborn, Germany)
Elena Zucca (U. of Genova, Italy)

Organizing Committee

Claudio Guidi
Ivan Lanese
Roberto Lucchi
Luca Padovani
Elisa Turrini
Stefano Zacchiroli

Referees

Davide Ancona	Grzegorz Marczyński
Michele Banci	Francisco Martins
Laura Bocchi	Viviana Mascardi
Edoardo Bonta	Peter lveczky
Mario Bravetti	Wiesław Pawłowski
Manuel Breschi	Holger Rasch
Barbara Catania	Antonio Ravara
Walter Cazzola	Dirk Reiß
Antonio Cerone	Paolo Rosso
Giorgio Delzanno	Murat Sahingöz
Piergiorgio Di Giacomo	Luigi Sassoli
Luca Durante	Martin Schindler
Karsten Ehrig	Gerardo Schneider
Harald Fecher	Aleksy Schubert
Maurizio Gabbrielli	Graeme Smith
Geri Georg	Mark Stein
Hans Grönniger	Gabriele Taentzer
Andreas Gruener	Simone Tini
Christian Haack	Hugo Vieira
Jan Hendrik Hausmann	Steven Voelkel
Marcel Kyas	Gianluigi Zavattaro
Giovanni Lagorio	Artur Zawłocki

Table of Contents