Preface

This volume contains the proceedings of the 2002 symposium Formal Methods Europe (FME 2002). The symposium was the 11th in a series that began with a VDM Europe symposium in 1987. The symposia are traditionally held every 18 months. In 2002 the symposium was held at the University of Copenhagen, as part of the 2002 Federated Logic Conference (FLoC 2002), which brought together in one event seven major conferences related to logic in computer science, as well as their affiliated workshops, tutorials, and tools exhibitions.

Formal Methods Europe (www.fmeurope.org) is an independent association which aims to stimulate the use of, and research on, formal methods for software development. FME symposia have been notably successful in bringing together a community of users, researchers, and developers of precise mathematical methods for software development.

The theme of FME 2002 was "Formal Methods: Getting IT Right". The double meaning was intentional. On the one hand, the theme acknowledged the significant contribution formal methods can make to Information Technology, by enabling computer systems to be described precisely and reasoned about with rigour. On the other hand, it recognized that current formal methods are not perfect, and further research and practice are required to improve their foundations, applicability, and effectiveness.

FME 2002 covered many aspects of the use of formal methods for development of software in many different application areas. As with previous FME symposia, FME 2002 covered a wide range of activities, from development of fundamental theory of description and reasoning, to particulars of practice and experience.

A total of 31 papers were accepted out of 95 submissions from 30 countries, half of which are outside Europe, making this a truly international event. In addition to authors of submitted papers, Natarajan Shankar, Anthony Hall, and David Basin were invited to give keynote presentations at the symposium.

A symposium session on Semantics and Logic was dedicated to the memory of John Dawes, who was a founding member of VDM Europe and a long-time active contributor to FME.

May 2002   Lars-Henrik Eriksson, Peter Lindsay

Organization

FME 2002 was organized by Formal Methods Europe and the third Federated Logic Conference (FLoC 2002). It was hosted jointly by the IT University of Copenhagen, the Technical University of Denmark, and the University of Copenhagen. We would like to thank the FME Board (John Fitzgerald, Nico Plat, and Kees Pronk) for their support, and the FLoC Organizing Committee for making local arrangements. Moshe Vardi was FLoC General Chair and Neil Jones was FLoC Conference Chair. We particularly thank Henning Makholm, Andrzej Filinski, and Sebastian Skalberg of the FLoC Local Committee for their help in organizing the web pages, the printed program, and the tool demonstration facilities.

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All submitted papers were peer reviewed by at least three referees. In addition to the Program Committee, the following people contributed reviews:

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