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# Formal Methods: Foundations and Applications

14th Brazilian Symposium, SBMF 2011  
São Paulo, Brazil, September 26-30, 2011  
Revised Selected Papers



Springer



# Preface

This volume contains the papers presented at SBMF 2011: the 14th Brazilian Symposium on Formal Methods. The conference was held in the city of São Paulo, Brazil, colocated with CBSoft 2011, the Second Brazilian Conference on Software: Theory and Practice.

The conference program included two invited talks, given by Catuscia Palamidessi (INRIA Saclay, France) and John Harrison (Intel Corporation, USA).

A total of 13 research papers were presented at the conference and are included in this volume; they were selected from 37 submissions. The submissions came from 12 countries: Algeria, Brazil, China, Finland, France, Germany, India, Ireland, Malaysia, Portugal, Spain, the UK and the USA. There were also sessions specially devoted to a track of short papers, and these are published separately as a technical report including papers describing work in progress.

The deliberations of the Program Committee and the preparation of these proceedings were handled by EasyChair, which indeed made our lives much easier.

We are grateful to the Program Committee, and the additional reviewers, for their hard work in evaluating submissions and suggesting improvements. SBMF 2011 was organized by *Escola de Artes, Ciências e Humanidades da Universidade de São Paulo* (EACH/USP) and *Faculdade de Computação e Informática da Universidade Presbiteriana Mackenzie* (FCI/Mackenzie) under the auspices of the Brazilian Computer Society (SBC). We are very thankful to the organizers of this year's conference, Fatima L.S. Nunes Marques (EACH/USP) and Ana Cristina Vieira de Melo (IME/USP), and we are specially thankful to CBSoft 2011's organizers Marcelo Fantinato (EACH/USP) and Luciano Silva (FCI/Mackenzie), who arranged everything and made the conference run smoothly.

The conference was sponsored by the following organizations, which we thank for their generous support:

- CNPq, the Brazilian Scientific and Technological Research Council
- CAPES, the Brazilian Higher Education Funding Council
- FAPESP, São Paulo Research Foundation
- Google Inc.
- Universidade de São Paulo
- Universidade Presbiteriana Mackenzie

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