



ELSEVIER

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

SCIENCE @ DIRECT®

Electronic Notes in Theoretical Computer Science 130 (2005) 1–2

[www.elsevier.com/locate/entcs](http://www.elsevier.com/locate/entcs)

---

---

**Electronic Notes in  
Theoretical Computer  
Science**

---

---

## Preface

The Brazilian Symposium on Formal Methods (SBMF) 2004 is the seventh of a series of events devoted to the dissemination of the development and use of formal methods for the design and verification of computational systems. The previous six events were workshops held in Porto Alegre (1998), Florianópolis (1999), João Pessoa (2000), Rio de Janeiro (2001), Gramado (2002), and Campina Grande (2003), respectively.

SBMF has a very good reputation among the academics and research agencies in Brazil. It has also attracted the interest of international researchers, who have contributed as members of the Programme Committees, invited speakers, and authors of technical papers. The Special Commission on Formal Methods, created within the Brazilian Computer Society (SBC), is a continuous incentive for our community.

In 2004, the Brazilian Symposium on Formal Methods was held jointly with the Pernambuco School on Software Engineering. This was an invaluable opportunity to bring together even more Formal Methods researchers of our community.

These proceedings record the contributions from invited speakers and from the technical sessions. We present three invited papers, one extended abstract for invited speaker, and fifteen technical papers, selected out of forty-seven submissions.

The programme committee includes leading researchers representing nine Brazilian institutions where there is active work in the area of formal methods. We also had the collaboration of researchers from Australia, France, England, Portugal, Germany, and the United States of America.

Each of the forty-seven papers was evaluated by two-three reviewers. After the evaluation, reports were returned to all the reviewers for discussion and resolution of conflicts. Based on their recommendations, the steering committee was also consulted, and selected the fifteen accepted papers that we present

here.

We would like to thank all members of the programme and organising committees for their hard work. The commitment and dedication of the steering committee were invaluable assets. We also appreciate the support of our sponsors which turned out SBMF 2004 a reality; a recognition of the importance of this event for the Formal Methods community.

Finally, we are grateful to all the authors of the invited and submitted papers, and all the participants of the symposium. They are the main focus of the whole event.

*Alexandre Mota*  
*Universidade Federal de Pernambuco, Brazil*  
*Arnaldo Moura*  
*Universidade Estadual de Campinas, Brazil*  
*December 2004*