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Formal Methods: Foundations and Applications

24th Brazilian Symposium, SBMF 2021
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Proceedings

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Preface

This volume contains the papers presented at SBMF 2021: the 24th Brazilian Symposium on Formal Methods. The conference was held online during December 6–10, 2021.

The Brazilian Symposium on Formal Methods (SBMF) is an event devoted to the development, dissemination, and use of formal methods for the construction of high-quality computational systems, aiming to promote opportunities for researchers and practitioners with an interest in formal methods to discuss the recent advances in this area. SBMF is a consolidated scientific-technical event in the software area. Its first edition took place in 1998, reaching the 24th edition in 2021. The proceedings of the last editions have been published mostly in Springer's Lecture Notes in Computer Science series as volumes 5902 (2009), 6527 (2010), 7021 (2011), 7498 (2012), 8195 (2013), 8941 (2014), 9526 (2015), 10090 (2016), 10623 (2017), 11254 (2018), and 12475 (2020).

The conference included four invited talks, given by Jeannette Wing (Columbia University, USA), Orna Grumberg (Technion, Israel), Fritz Vaandrager (Radboud University, The Netherlands), and Vander Alves (Universidade de Brasília, Brazil). A total of eight papers were presented at the conference and are included in this volume. They were selected from 15 submissions that came from authors in seven different countries: Argentina, Brazil, India, Norway, South Africa, the UK, and the USA.

The Program Committee was comprised of 31 members from the national and international community of formal methods. Each submission was reviewed by three Program Committee members. Submissions, reviews, deliberations, and decisions were handled via EasyChair, which provided good support throughout this process.

We are grateful to the Program Committee and to the additional reviewers for their hard work in evaluating submissions and suggesting improvements. We are very thankful to the general chair of SBMF 2021, Tiago Massoni (Universidade Federal de Campina Grande, Brazil), who made everything possible for the conference to run smoothly. SBMF 2021 was organized by the (Universidade Federal de Campina Grande, Brazil), and promoted by the Brazilian Computer Society (SBC). We would like to thank Springer for agreeing to publish the proceedings as a volume of Lecture Notes in Computer Science.

October 2021

Sérgio Campos
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