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Fernando Castor · Yu David Liu (Eds.)

# Programming Languages

20th Brazilian Symposium, SBLP 2016 Maringá, Brazil, September 22–23, 2016 Proceedings



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#### **Preface**

This volume contains the proceedings of the 20th Brazilian Symposium on Programing Languages (SBLP 2016), held during September 22–23, 2016, in Maringá, Brazil. SBLP is a well-established symposium, promoted by the Brazilian Computer Society since 1996, and provides a venue for researchers and practitioners interested in the fundamental principles and innovations in the design and implementation of programming languages and systems. Since 2010, SBLP has been organized in the context of CBSoft (Brazilian Conference on Software: Theory and Practice), co-located with a number of other events on computer science and software engineering.

The Program Committee of SBLP 2016 was formed by 41 members from 10 countries. The symposium received 29 submissions, including 2 short papers, with authors from 9 different countries. Each paper was reviewed by at least three reviewers and most of them by four. Papers were evaluated based on their quality, originality, and relevance to the symposium. The final selection was made by the program co-chairs, based on the reviews and Program Committee discussion. The final program featured a keynote talk by co-chair Yu David Liu (State University of New York, Binghamton), 12 papers in English, and 3 papers in Portuguese. The latter were presented at the conference but are not included in these proceedings.

We would like to thank the authors, the reviewers, and the members of the Program Committee for contributing to the success of SBLP 2016. We also want to thank the members of the Organizing Committee of CBSoft 2016, for all their help and support, and EasyChair, for once again making the paper submission process smooth and for the invaluable help in organizing these proceedings. We do not want to conclude without expressing our gratitude to Alberto Pardo, chair of the SBLP Steering Committee and chair of the previous edition of SBLP, for all his support at the different stages of the organization of the symposium.

September 2016 Fernando Castor Yu David Liu

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