Foreword

SBES 2012

Welcome to the XXVI edition of the Brazilian Symposium on Software Engineering (SBES), which this year takes place in the beautiful city of Natal. As has happened since 2010, the SBES 2012 is part of the Brazilian Conference on Software: Theory and Practice (CBSoft) that gathers the Brazilian Symposium on Programming Languages (SBLP), the Brazilian Symposium on Formal Methods (SBMF), the Brazilian Symposium on Software Components, Architectures and Reuse (SBCARS) and the Latin American Conference on Pattern Languages of Programming (SugarLoafPLoP).

Within the SBES the participant finds two technical tracks, the Forum on Software Engineering Education and three invited speakers: two international and one national. Complementing this program, the CBSoft provides a range of activities including short courses, workshops, tutorials, a tools session, the Industrial Track and the Workshop of Theses and Dissertations.

In the main technical track of SBES, unpublished research papers are presented, covering a range of topics on Software Engineering, mentioned in the call for papers, widely advertised in the Brazilian and international community. A rigorous peer review process enabled the careful selection of articles with the highest quality. The Program Committee included 83 members of the international Software Engineering community. In all, 121 investigators participated in the review of the 93 papers submitted. From those, 18 articles were accepted for presentation and publication in the SBES proceedings. It can be seen from these figures that we had a very competitive process that resulted in an acceptance rate of 19% of submitted articles. Besides the publication of articles in the proceedings, available in the IEEE Digital Library, the top five articles – chosen by a committee selected from members of the Program Committee – are invited to submit an extended version to a prestigious journal in the Software Engineering area.

The special track “Great Challenges in Software/System Engineering” aims at identifying contributions discussing the major challenges of the area and supporting the development of a document focusing on what are these challenges, related benefits, proposed actions, and aspects of human resources and infrastructure required. The identification of grand research challenges contributes to formulating the so-called High-Risk-High-Payoff projects, which have the potential to significantly advance the Software Engineering, with valuable social and technological applications. We hope such a document will contribute to future funding proposals for the area contributing to its advancement and improvement.

Altogether 12 papers were submitted to the special track of which 6 were accepted for publication in the proceedings and for presentation at the symposium. A very motivating and exciting track to stimulate further work in the perspective of identifying the Grand Challenges in Software/System Engineering.

For SBES 2012 the invited speakers are:

- Concurrent Programming is Easy
  Bertrand Meyer (Swiss Federal Institute of Technology)

- Software: Good, Bad, or Just a Matter of Taste?
  Arie van Deursen (Delft University of Technology, Netherlands)

- A Engenharia e o Software: reflexões de um aprendiz na Cidade do Sol
  Prof. Guilherme Horta Travassos (COPPE-UFRJ)

Finally, we would like to thank those who contributed to making this edition of SBES. We thank the members of the Steering Committee of the SBES and CBSoft, the program committee members, the
reviewers of papers, the organizing committees and all those who somehow made possible the realization of yet another event with a quality standard of the best international events.

Once again, welcome to SBES 2012.

Natal, September 2012.

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