Message from the Program Chairs

Welcome to SBAC-PAD 2012, the 24th Symposium on Computer Architecture and High Performance Computing. This year, for the first time, SBAC-PAD is taking place outside Brazil, at Columbia University, New York City. We hope to make this event memorable not only for the quality of technical sessions and speakers, but also for this beautiful and exciting venue.

This year, SBAC-PAD received a record 127 finalized submissions, by authors from 25 different countries. The countries with most submissions are the United States (32%), Brazil (21%), Spain (14%), France (5%) and China and Ireland (approximately 3% each). It was a hard decision to select just 36 papers (28% acceptance rate) among the very good papers submitted.

The Program Committee of SBAC-PAD 2012 was organized into four tracks: Algorithms and Applications (chaired by Robert van de Geijn), Architecture (chaired by Rodolfo Jardim de Azevedo), Software (chaired by Calin Cascaval) and Networks and Distributed Systems (chaired by Yanyong Zhang). We collected approximately 400 reviews to support our selection process. Submissions by the track chairs were reviewed by at least one Program Chair, complementing the standard review process.

First of all, we want to thank all the PC members as well as the external reviewers for their work on selecting a remarkable set of technical papers. We also want to thank all those authors who worked hard to submit the best results of their research. We also want to acknowledge the efforts of all the people who contributed to make this year’s conference another success in the SBAC-PAD series: the Steering Committee, which gave us the guidance through the reviewing process, and the General Chairs José Moreira and Jairo Panetta who, together with the Organizing Committee, did an incredible job.

We are immensely grateful to our sponsors: the Brazilian Computer Society (SBC), the IEEE Computer Society, through the Technical Committees on Computer Architecture (TCCA) and Scalable Computing (TCSC), and the International Federation for Information Processing (IFIP). Also, we want to thank our industrial sponsors who, through their support of SBAC-PAD, foster the collaboration between academia and industry.

Finally, we want to wish you a great conference and a wonderful stay in New York City!

Program Chairs

David Padua  
*University of Illinois at Urbana-Champaign, USA*

Philippe Olivier Alexandre Navaux  
*Universidade Federal do Rio Grande do Sul, Brazil*

Track Chairs

Rodolfo Jardim de Azevedo  
*University of Campinas, Brazil*

Calin Cascaval  
*Qualcomm, USA*

Robert van de Geijn,  
*The University of Texas at Austin, USA*

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