Message from the Program Chairs

On behalf of the Program Committee we are delighted to present you the technical program for the 27th International Symposium on Computer Architecture and High Performance Computing (SBAC-PAD ’15).

The Program Committee was organized into four tracks: Applications and Algorithms (chaired by Anne Benoit), Architecture (chaired by David R. Kaeli), Distributed Systems and Networks (chaired by Dilma Da Silva), and Software (chaired by Albert Cohen). We received 102 submission intents and 78 full papers. These papers were submitted by authors from 23 different countries, being most of them from Brazil (35%), USA (16%), France (12%), Spain (7%), Germany (4%) and China (4%). The paper selection process was divided in three phases: first the PC members reviewed all the papers, providing a total of 277 reviews, being each paper reviewed by at least three reviewers and most of them by four; then, during the rebuttal period, authors had the opportunity to offer their rebuttal to the reviews and clarify their work; finally, in a post-rebuttal discussion, the PC members discussed each of the papers taking into consideration their reviews and the rebuttals. At the end, all PC members agreed on the final recommendations; 26 out of the 78 full papers were selected to be presented at the symposium (33% acceptance rate).

The selected papers were classified and organized into 9 technical sessions, which are distributed across the 4 conference days and interleaved with three keynote talks and several other related events, including the 10th Marathon of Parallel Programming, the 4th Workshop on Parallel Programming Models (MPP), 6th Workshop on Applications for Multi-Core Architectures (WAMCA), the XVI Simpósio em Sistemas Computacionais de Alto Desempenho (WSCAD), the X Workshop sobre Educação em Arquitetura de Computadores (WEAC), the Workshop de Iniciação Científica em Arquitetura de Computadores e Computação de Alto Desempenho (WSCAD-WIC), the Concurso de Teses e Dissertações em Arquitetura de Computadores e Computação de Alto Desempenho (WSCAD-CTD) and two tutorials.

We thank the 242 authors who submitted their work to the review process and the 79 PC members for their hard work and dedication to provide thoughtful and constructive reviews. We also thank Professors Anne Benoit, David R. Kaeli, Dilma Da Silva and Albert Cohen for helping us select a diverse program committee and for ensuring the review process stayed on track. We also thank Prof. Hermes Senger (Proceedings Chair), for handling the camera-ready papers and the final proceedings, Prof. Alba Mello (Workshop and Tutorials Chair) for coordinating the workshops and tutorials, Professors Mario Dantas (General Chair) and Márcio Castro (Finance Chair), and Professors Alfredo Goldman, Laércio Lima Pilla and Philippe Navaux (Organizing Committee), for their support over the past year.

We hope you enjoy the program!

Edson Borin, University of Campinas, Brazil
Viktor K. Prasanna, University of Southern California, USA