A Word from the Program Chairs

SBAC-PAD 2011

On behalf of the program committee, we welcome you to the 23rd Symposium on Computer Architecture and High Performance Computing (SBAC-PAD 2011). The venue is particularly spectacular this year and we are confident that the sandy beaches of Vitória, not to mention the exceptional program we have put together, will attract many researchers both domestically and internationally.

As you know, SBAC-PAD is an international annual conference, started in 1987, which has continuously presented an overview of new developments, applications, and trends in parallel and distributed computing technologies. SBAC-PAD is open to faculty members, researchers, specialists and graduate students around the world. We have strived to continue this tradition and have considered papers across a whole range of computer system design-related topics.

The program committee has endeavored to put together a stimulating scientific program consisting of regular papers and keynote talks on some promising and established areas of research. The Program Committee had the notably difficult task of selecting 26 papers out the 76 submissions we received. The rigorous peer review we sought to achieve was indeed an arduous task for we demanded that no fewer than 3 independent reviews be obtained for each submission (54% actually received 4 reviews). All “difficult” cases (i.e., when a paper received diverging recommendations) were given additional individual attention by the Track Chairs and the Program Committee co-chairs. It should be noted that SBAC-PAD has now attracted submissions from 13 foreign countries and that 7 of them actually appear in the proceedings.

We should make note here of the outstanding work performed by the Program Committee and would like to recognize the extraordinary leadership of the three Track Chairs: Alberto Zomaya (Applications), Kunle Olukotun (Hardware), and Luiz DeRose (Software).

Several major players in our field have graciously accepted to share their expertise and present an invited talk at the conference: Jack Dongarra (University of Tennessee, USA), Jeannette Wing (Carnegie-Mellon University, USA) and Mateo Valero (Barcelona Supercomputing Center, Spain).

We must emphasize that a number of people, all volunteers, have worked hard to make SBAC-PAD 2011 a resounding success. We would like to thank in particular all the members of the steering and program committees, the special sessions chairs, the publicity and publication chairs, the treasurer, the local arrangements chair, and all the authors and reviewers. Also, we would like to individually recognize and thank Ricardo Neisse for his extraordinary assistance in configuring and maintaining the JEMS review system and Raoni Fassina for maintaining the SBAC-PAD web site.

Finally, we would like to thank the SBC - Brazilian Computer Society, the International Federation for Information Processing (IFIP), and the IEEE Computer Society for their support.

Jean-Luc Gaudiot

Alba Cristina Magalhaes Alves de Melo