

13th Symposium on
Computer Architecture and High Performance Computing

Pirenópolis - GO - Brazil - September 10th - 12th



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13th Symposium on Computer Architecture and High Performance Computing

September 10-12, 2001
Pirenópolis, GO – Brazil

Editors

Alba Cristina M. A. Melo, Jairo Panetta,
Mário Antônio R. Dantas

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General Chair's Message

I am really pleased to address a welcome message to the people that will attend the 2001 Symposium on Computer Architecture and High Performance Computing (SBAC-PAD' 2001). This is the 13th symposium in the series and, for the first time, the meeting is held in the Center-Western region of Brazil. Pirenopolis is a small, mystic and charming city with beautiful surroundings which is near from Brasilia, the capital of Brazil. Participants to SBAC-PAD'2001 will have the opportunity to enjoy tourist attractions in both cities.

This year's symposium is expected to continue the successful achievement of the previous symposia. It includes five invited keynote addresses offered by leaders in the field and 32 research papers.

I am confident that SBAC_PAD'2001 will provide an excellent forum to exchange scientific developments and new ideas on several aspects of computer architecture and high performance computing. I want to acknowledge the keynote speakers and the authors for their excellent contributions to the program of this symposium.

Among the many people that devoted their valuable time and efforts to make this event a success, I would like especially to thank the Program Chair, Jairo Panetta, and the reviewers for the excellent job. Special thanks to Mario Antonio R. Dantas who led the Organizing Committee and did an incredible job under a great time pressure. Thanks also to the Brazilian Computer Society for their generous support and help in many aspects of this symposium. I would also like to thank Jean-Luc Gaudiot, who did a great job to get the co-sponsorship of the IFIP WG 10.3. A special thanks is also due to FINEP, CNPq, CAPES and NEC for the financial support.

Thank you for your participation in SBAC-PAD'2001 and welcome to Pirenopolis, Brazil. I hope you will have an enjoyable and fruitful time in our symposium.

Alba Cristina M. A. Melo
General Chair
Department of Computer Science
University of Brasília, Brazil

Brasília, September 10th, 2001

Program Chair's Message

It is my pleasure to welcome you to SBAC-PAD'2001, the thirteenth edition of a very successful series of conferences on Computer Architecture and High Performance Computing, organized by the Brazilian Computer Society (SBC). The first SBAC-PAD goes back to 1987.

SBAC-PAD contributions touch a wide set of subjects. This is a characteristic of the High Performance Computing area, that encompasses applications, algorithms, languages, performance and debugging tools and benchmarking. Many of these subjects depend upon central aspects of Computer Architecture, such as CPU, memory and IO architecture, instruction scheduling, interconnection networks and protocols. The typical SBAC-PAD paper touches so many subjects that it is hard to sort papers into subjects for presentation.

I would like to express my gratitude to all sponsors, authors, referees, program committee and organizing committee members. Their efforts were central to maintain the high standard level of this series of conferences.

Jairo Panetta

Program Chair

Center for Weather Forecasts and Climate Studies – CPTEC
INPE, Brazil

Organizing Committee's Message

We from the Computing System Group, at University of Brasilia (UnB), are very happy to receive all of you to SBAC-PAD'2001. The thirteenth edition of the Symposium on Computer Architecture and High Performance Computing is organized by the Brazilian Computer Society (SBC) and it is hosted this year by our Group.

Understanding the importance of such symposium to the national and international research community, the organizing committee worked out hardly to provide a proper environment to the event. Therefore, I would like to thanks all of you from the organizing committee and welcome all the participants of the SBAC-PAD'2001.

M. A. R. Dantas
Organizing Committee Chair
Department of Computer Science
University of Brasilia, Brazil

SBAC-PAD'2001

13th Symposium on Computer Architecture and High Performance Computing

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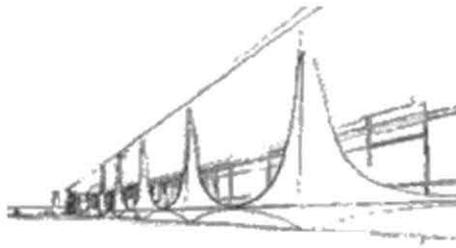
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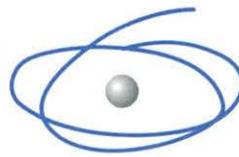
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