

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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Table of Contents

Session 1 - Applications I

Whole Genome Alignment using a Multithreaded Parallel Implementation.....1	
<i>Wellington S. Martins, Juan del Cuillo, Wenwu Cui, Guang R. Gao</i>	
Parallel Processing Applied to Robot Manipulator Trajectory Planning.....9	
<i>Denis H. Nomiya, André R. Hirakawa, Líria M. Sato</i>	
h-Refined Krylov-Schwarz Solution for Hydrodynamics and Mass Transport in a PC Cluster.....17	
<i>Ricardo V. Dorneles, Rogerio L. Rizzi, Tiarajú A. Diverio, Philippe O. A. Navaux</i>	

Session 2 - Applications II

Parallel Boundary Elements Using OpenMP.....25	
<i>Manoel T. F. Cunha, Alvaro L. G. A. Coutinho, José C. F. Telles</i>	
A Parallel Solution for Systems of Integral Equations.....32	
<i>Marcelo Pasin, Edson L. Padoin</i>	
Parallel Calculation of Properties of Magnetic Impurities in Metals.....38	
<i>Eloiza Sonoda, Gonzalo Travieso</i>	

Session 3 - Applications III

Parallel Implementation of Elliptic Curve Method for Integer Factorization Using MPI....44	
<i>Eduardo Wolski, Joel G. S. Filho, Mario A. R. Dantas</i>	
Matrix Calculations with SIMD Floating Point Instructions on x86 Processors.....50	
<i>André Muezerie, Raul J. Nakashima, Gonzalo Travieso, Jan Slaets</i>	

Session 4 - Computer Architecture I

Branch Prediction x Performance: An Analysis on Superscalar Processors.....56	
<i>Guilherme D. Pizzol, Mauricio L.Pilla, Phillipe O. A. Navaux</i>	

A Reconfigurable Computer REOMP.....	62
<i>Alessandro N. Ide, José H. Saito</i>	
Yet Another Hardware Implementation of Modular Multiplication.....	70
<i>Nadia Nedjah, Luiza M. Mourelle</i>	
Translation of Hardware Description Languages to Structured Representation: a Tool for Digital System Analysis.....	76
<i>Daniela C. Peixoto, Diógenes C. Silva Jr, José M. Mata, Claudionor N. Coelho Jr, Antônio O. Fernandes</i>	

Session 5 - Computer Architecture II

A Technology-Scalable Multithreaded Architecture.....	82
<i>Clecio D. Lima, Kentaro Sano, Hiroaki Kobayashi, Tadao Nakamura, Michael J. Flynn</i>	
Performance Evaluation of Decoding and Dispatching Stages in Simultaneous Multithreaded Architectures.....	90
<i>Ronaldo Gonçalves, Eduard Ayguadé, Mateo Valero, Philippe O. A. Navaux</i>	
Improving the DTSVLIW Performance via Block Compaction.....	98
<i>Alberto F. Souza</i>	

Session 6 - Grid Computing

Open Grid: A User-Centric Approach for Grid Computing.....	106
<i>Walfredo Cirne, Keith Marzullo</i>	
Pool of Processors on the Web.....	112
<i>Denivaldo Lopes, Osvaldo Saavedra, Zair Abdelouahab</i>	

Session 7 - Load Balancing

An Architecture for Automatic Load Distribution on Distributed Objects Computing Systems.....	120
<i>Hermes Senger, Liria M. Sato</i>	
Improving the Performance of a Dynamic Load Balancer Using a Classifier System.....	126
<i>Jan M. Correa, Alba C. Melo</i>	
Learning Parallel Computing Concepts via a Turing Machine Simulator.....	134
<i>Mônica X. Py, Laura V. Toscani, Luís C. Lamb, Tiarajú A. Diverio</i>	

Session 8 - Networks, Protocols and Communication Mechanisms

TCP/IP versus VIA on Network of Workstations.....	140
<i>Marcelo Lobosco, Anderson F. Silva, Vítor S. Costa, Claudio L. Amorim</i>	
Low-latency and Zero-copy Message Passing Protocols for SCI-based Clusters.....	148
<i>Fabio A D. Oliveira, Rafael B. Ávila, Marcos E. Barreto, Philippe O. A. Navaux</i>	
The Scalable Coherent Interface (SCI) as an Alternative for Cluster Interconnection.....	156
<i>César A. F. De Rose, Reynaldo Novaes, Tiago Ferreto, Fabio A. D. de Oliveira, Marcos E. Barreto, Rafael B. Ávila, Philippe O. A. Navaux, Hans-Ulrich Heiss</i>	
Adaptive Techniques for Home-Based Software DSMs.....	164
<i>Lauro Whately, Raquel Pinto, Muralidharen Rangarajan, Liviu Iftode, Ricardo Bianchini, Claudio L. Amorim</i>	

Session 9 - Programming Environments and Architectures

A Distributed Architecture Supporting Heuristic and Metaheuristic Optimization Methods.....	172
<i>Celso M. Costa, Fernando L. Dotti, Eder N. Mathias, Felipe M. Müller</i>	
A Java Environment for High-Performance Computing.....	180
<i>Marcelo Lobosco, Cláudio L. Amorim, Orlando Loques</i>	
Using Mobility and Blackboards to Support a Multiparadigm Model Oriented to Distributed Processing.....	187
<i>Jorge L. V. Barbosa, Adenauer C. Yamin, Patrícia K. Vargas, Débora N. Ferrari, Alberto E. Schaeffer, Cláudio F. R. Geyer</i>	
Paralelizing MCP-Haskell for Evaluating Haskell# Parallel Programming Environment.....	195
<i>F. H. Carvalho Jr., Rafael D. Lins, Ricardo M F Lima</i>	

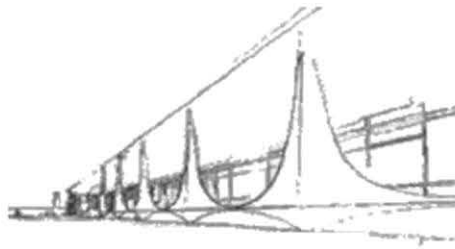
Session 10 - Programming Tools

Using the SGI Pro64 Open Source Compiler Infra-Structure for Teaching and Research.....	206
<i>José N. Amaral, Christopher Barton, Andrew C. Macdonell, Matthew McNaughton</i>	
A Debugger Interface for Parallel Programs.....	214
<i>Denise Stringhini, Philippe O. A. Navaux, Jacques C. de Kergommeaux</i>	

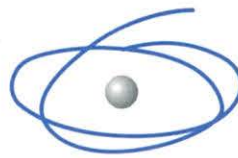
A Programming Tool for the Development of Parallel Computer Vision and Image Processing Algorithms and Applications.....	222
<i>Odemir M. Bruno, Luciano F. Costa</i>	
Author Index	230

Author Index

- Abdelouahab, Zair, 112
Amaral, José N. , 206
Amorim, Claudio L., 140, 164, 180
Ávila, Rafael B., 148, 156
Ayguadé, Eduard, 90
Barbosa, Jorge L. V., 187
Barreto, Marcos E., 148, 156
Barton, Christopher, 206
Bianchini, Ricardo, 164
Bruno, Odemir M., 222
Carvalho Jr., F. H., 195
Cirne, Walfredo, 106
Coelho Jr, Claudionor N., 76
Correa, Jan M., 126
Costa, Celso M. , 172
Costa, Luciano F., 222
Costa, Vítor S., 140
Coutinho, Alvaro L. G. A., 25
Cui, Wenwu, 1
Cunha, Manoel T. F., 25
Cuvillo, Juan del, 1
Dantas, Mario A. R., 44
De Rose, César A. F., 156
Diverio, Tiarajú A., 17, 134
Dorneles, Ricardo V., 17
Dotti, Fernando L., 172
Fernandes, Antônio O., 76
Ferrari, Débora N., 187
Ferreto, Tiago, 156
Filho, Joel G. S., 44
Flynn Michael J., 82
Gao, Guang R., 1
Geyer, Cláudio F. R., 187
Gonçalves, Ronaldo, 90
Heiss, Hans-Ulrich, 156
Hirakawa, André R., 9
Ide, Alessandro N., 62
Iftode, Liviu, 164
Kobayashi, Hiroaki, 82
Kergommeaux, Jacques C. De, 214
Lamb, Luís C., 134
Lima, Clecio D., 82
Lima, Ricardo M F, 195
Lins, Rafael D., 195
Lobosco, Marcelo, 140, 180
Lopes, Denivaldo, 112
Macdonell, Andrew C., 206
McNaughton, Matthew, 206
Martins, Wellington S., 1
Marzullo, Keith, 106
Mata, José M., 76
Mathias, Eder N., 172
Melo, Alba C. M., 126
Mourelle, Luiza M., 70
Muezerie, André, 50
Müller, Felipe M., 172
Nakamura, Tadao, 82
Nakashima, Raul J., 50
Navaux, Philippe, 17, 56, 90, 148, 156, 214
Nedjah, Nadia, 70
Nomiyama, Denis H., 9
Novaes, Reynaldo, 156
Oliveira, Fabio A D., 148, 156
Padoin, Edson L., 32
Pasin, Marcelo, 32
Peixoto, Daniela C., 76
Pilla, Mauricio L., 56
Pinto, Raquel, 164
Pizzol, Guilherme D., 56
Py, Mônica X., 134
Rangarajan, Muralidharen, 164
Rizzi, Rogerio L., 17
Saavedra, Osvaldo, 112
Sano, Kentaro, 82
Saito, José H., 62
Sato, Líria M., 9, 120
Schaeffer, Alberto E., 187
Senger, Hermes, 120
Silva, Anderson F., 140
Silva Jr, Diógenes C., 76
Slaets, Jan, 50
Sonoda, Eloiza, 38
Souza, Alberto F., 98
Stringhini, Denise, 214
Telles, José C. F., 25
Toscani, Laira V., 134
Travieso, Gonzalo, 38, 50
Valero, Mateo, 90
Vargas, Patrícia K., 187
Whately, Lauro, 164
Wolski, Eduardo, 44
Yamin, Adenauer C., 187



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