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*         ====>      CALL FOR PAPERS       <=====                        *
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*                          HiPC'2001                                     *
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*      8th International Conference on High Performance Computing         *
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*                     http://www.hipc.org                                *
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*              Submission Deadline: May 4, 2001                          *
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HiPC 2001
December 17-20, 2001
Hyderabad, India

The 8th annual International Conference on High Performance Computing
(HiPC 2001) will be held in Hyderabad, an emerging center for Information
Technology in India, during December 17-20, 2001. It will serve as a forum to
present current work by researchers from around the world as well as highlight
activities in Asia in the high performance computing area. The conference has
a history of attracting participation from reputed researchers worldwide.
The seventh meeting held in Bangalore, India, in December 2000 had
46 contributed papers that were selected from submissions from 12 countries.
The conference had tutorials on cutting edge topics in high performance
computing and related areas by leading researchers from academia and industry.
Please refer to http://www.hipc.org/ for more information on previous meetings.

Hyderabad, known as the City of Pearls, is the fifth largest metropolitan
city in India and is fast emerging as the hub of Information Technology. Many
multi-national companies including Microsoft, Motorola, Oracle, GE Capital,
IBM, among others have set up development units in Hyderabad. It is home to
upcoming premier universities such as Indian Institute of Information
Technology and Indian School of Business and also some of the oldest
and prestigious universities in India including Osmania University and
Jawaharlal
Nehru Technical University. Hyderabad is highly cosmopolitan and presents a
mix of various cultures which is reflected in its ethnic, cultural,
architectural and culinary diversity.

HiPC 2001 will emphasize the design and analysis of high performance computing
and networking systems and their scientific, engineering, and commercial
applications. In addition to technical sessions of contributed paper presenta-
tions, the conference will offer invited presentations, a poster/presentation
session, tutorials, vendor presentations, and exhibits.

COSPONSORED BY

Indian Institute of Information Technology, Hyderabad
IEEE Computer Society Technical Committee on Parallel Processing
ACM SIGARCH
European Association for Theoretical Computer Science

HELD IN COOPERATION WITH

Indian Institutes of Technology
Software Technology Parks of India
Tata Institute of Fundamental Research, India
Centre for Artificial Intelligence Research(CAIR), India
Centre for Development of Advanced Computing(C-DAC), India
CSIR Centre for Mathematical Modeling and Computer Simulation, India

MEETING INFORMATION

The advance program will be available in July 2001. Check www.hipc.org for
updated information.

IMPORTANT DATES

May   04, 2001   Conference Paper Due
May   15, 2001   Tutorial Proposal Due
July   02, 2001   Notification of Acceptance/Rejection
August   15, 2001   Camera-Ready Paper Due
October 02, 2001   Poster/Presentation Summary Due

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                        CALL FOR PARTICIPATION
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CALL FOR PAPERS

Authors are invited to submit original unpublished manuscripts that
demonstrate current research in areas of high performance computing
including design and analysis of parallel and distributed systems,
embedded systems, and their applications in scientific, engineering, and
commercial areas. Topics of interest include but are not limited to:

* Parallel Algorithms   * Scientific Computation
* Parallel Architectures   * Visualization
* Parallel Languages & Compilers   * Network and Cluster-Based Computing
* Distributed Systems   * Signal & Image Processing Systems
* Programming Environments   * Supercomputing Applications
* Memory Systems   * Internet and WWW-based Computing
* Multimedia and High Speed Networks * Scalable Servers
* Wireless Mobile Computing   * Embedded Systems

To submit an original research paper, send your complete manuscript (not to
exceed 15 double-spaced pages of text using 12 point size type on 8.5 x 11
inch pages) to the Program Chair. References, figures, tables, etc. may be
included in addition to the fifteen pages of text.

Manuscript submission procedures are available over the Web at
http://www.upb.de/hipc2001. For those who have only e-mail access, send an
e-mail message to hipc2001@upb.de. Electronic submissions must be in the
form of a readable postscript file containing the following header information
in ASCII form: title, author name(s), abstract, postal address, e-mail
address, and telephone and fax numbers. The header (in ASCII) should be
followed by the PostScript version of the complete manuscript (including
title, author names, affiliation, and abstract). Authors should submit a

correct PostScript (level 2) file of their paper to be considered and make
sure that the PostScript file will print on a PostScript printer that uses
8.5 x 11 inch size (letter size) paper.

Hard copy submissions are permitted and, like electronic submissions, must
be received by May 4, 2001. Please send six copies of the manuscript to
the Program Chair.

Fax submissions will not be considered.

Manuscripts must be received by May 4, 2001. All manuscripts will be
reviewed. Submissions received after the due date or exceeding the length
limit may not be considered. Notification of review decisions will be mailed
by July 2, 2001. Camera-ready papers are due August 15, 2001. Proceedings
will be available at the conference and also on the Web after the
conference.

PROGRAM CHAIR

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BEST PAPER AWARDS

These awards, sponsored by Infosys, will be awarded to outstanding contributed
papers in the Systems area and in the Algorithms and Applications area.

AWARDS CHAIR

Arvind, MIT

POSTER/PRESENTATION SESSION

In addition to parallel sessions of contributed papers, a plenary poster/
presentation session emphasizing novel applications of high performance
computing is planned. This session will be held concurrently with a reception
followed by a dinner. It will offer brief presentation time for each poster
and will be followed by a walk-up and talk setting. To be considered,
send a 5 page summary of your work to the Poster/Presentation Chair by
October 2, 2001. For additional details contact the Poster/Presentation Chair.

POSTER/PRESENTATION CHAIR

Sartaj Sahni, University of Florida, Internet: sahni@cise.ufl.edu

TUTORIALS

Proposals are solicited for tutorials to be held at the meeting. Interested
individuals should submit a proposal by May 15, 2001 to the Tutorials Chair.
The proposal should include a brief description of the intended audience, a
lecture outline, and vita for lecturer(s).

TUTORIALS CHAIR

Manavendra Misra, KBkids.com, Internet: manav@kbids.com

EXHIBITS/VENDOR PRESENTATIONS

Companies and R&D laboratories are encouraged to present their exhibits at
the meeting. In addition, a full day of vendor presentations is planned. For
details, companies are encouraged to contact the Exhibits Chair by August 31,
2001.

EXHIBITS CO-CHAIRS

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