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 presentations, 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
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

CALL FOR PARTICIPATION

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

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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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