



21ST IEEE INTERNATIONAL CONFERENCE ON HIGH PERFORMANCE COMPUTING

December 17-20, 2014
Goa, INDIA | www.hipc.org

CALL FOR PARTICIPATION

HiPC 2014 serves as a forum for presenting current work by researchers from around the world and for highlighting activities in Asia in the area of high performance computing. The conference has a history of attracting participation from leading researchers from all over the world. HiPC 2014 will include a strong single track technical program of peer reviewed papers and three invited keynote lectures. Day 1 will be devoted to workshops aimed at broadening the technical scope of the conference focused on current trends. In addition, day 1 will also feature a student research symposium for fostering student research and providing an international forum to highlight student research accomplishments. HiPC receives strong industry support from companies operating globally and also established in India. In addition to the two days of industry exhibits, the sponsoring partners to the conference hold industry symposiums to bring together providers and users of HPC in a forum for presenting state-of-the-art in HPC platforms and technologies, for discussing best practices, and for exchanging experiences.

HiPC 2014 CALL FOR PAPERS

Authors are invited to submit original unpublished research manuscripts that demonstrate current research in all areas of high performance computing including design and analysis of parallel and distributed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:

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- > High-Performance Computing
- > Parallel and Distributed Algorithms / Applications
- > Parallel and Distributed Architectures / Software
- > Parallel Languages and Programming Environments
- > Hybrid Parallel Programming with GPUs and Accelerators
- > Load Balancing, Scheduling and Resource Management
- > Resilient/Fault-Tolerant Algorithms and Systems
- > Scientific/Engineering/Commercial Applications and Workloads
- > Emerging Applications such as Biotechnology and Nanotechnology
- > Cluster, Cloud, and Grid Computing
- > Heterogeneous Computing
- > Interconnection Networks and Architectures
- > Scalable Servers and Systems
- > High Performance/Scalable Storage Systems
- > Power-Efficient and Reconfigurable Architectures
- > Compiler Technologies for High-Performance Computing
- > Software Support and Advanced Micro-architecture Techniques
- > Operating Systems for Scalable High-Performance Computing

One or more best paper awards will be given for outstanding contributed papers. Full information on submission of manuscripts, which will open on April 2, 2014 is available the conference website <http://www.hipc.org>.

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IMPORTANT DATES

- Apr 02, 2014** > Conference Paper Submission Begins
- May 16, 2014** > Conference Paper Submission Ends
- Mar 01, 2014** > Workshop Proposals Due
- July 31, 2014** > Conference Paper Notifications
- Aug 18, 2014** > Camera-Ready Paper Submission
- Sep 16, 2014** > Student Symposium Submissions Due
- Oct 21, 2014** > Student Symposium Accept/Reject Decisions
- Nov 14, 2014** > Early Registration Deadline

Co-Sponsored by IEEE Computer Society Technical Committee on Parallel Processing (TCPP) • HiPC Education Trust

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