
CALL FOR PAPERS

20th IEEE International Conference on High Performance Computing (HiPC 2013)

December 18-21, 2013

Hyderabad, INDIA

<http://www.hipc.org>

Paper Submission Deadline : June 08, 2013 (Final)

Important Dates

April 02, 2013	Conference Paper Submission Begins
June 08, 2013	Conference Paper Submission Ends
Mar 1, 2013	Workshop Proposals Due
Aug 06, 2013	Notification of Acceptance/Rejection
Aug 25, 2013	Camera-Ready Paper Submission
Sep 16, 2013	Student Symposium Submissions Due
Oct 21, 2013	Student Symposium Accept/Reject Decisions
Nov 14, 2013	Early Registration Deadline

HiPC 2013 will be held at the Hyderabad International Convention Center in Hyderabad, India, during December 18-21, 2013. It will serve as a forum for researchers from around the world to present their current research efforts and findings, and will act as avenue for stimulating discussions and highlighting high performance computing (HPC) related activities in Asia. The conference has a history of attracting participation from reputed researchers from all over the world.

HiPC 2013 will focus on the design and analysis of high performance computing and networking systems and their scientific, engineering, and commercial applications. In addition to technical sessions consisting of contributed papers, the conference will include invited presentations, a student research symposium, tutorials, and vendor exhibits, and presentations in the industry, user and research symposium.

Historically the conference has had an acceptance rate of approximately 20%. In the past couple of years the conference has seen over 450 attendees. The conference is co-sponsored by the IEEE Computer Society Technical Committee on Parallel Processing (TCPP) and the HiPC educational trust.

HiPC 2013: 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Authors are invited to submit **original** unpublished research manuscripts that demonstrate current research in all areas of high performance computing including design and analysis of parallel and distributed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 deployment. Topics of interest include but are not limited to:

- 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. Further details about call for student research symposium, workshops, tutorials, exhibits, and submission guidelines are available at the conference website.

Manuscript Guidelines

Submitted manuscripts should be structured as technical papers and may not exceed 10 letter size (8.5 x 11) pages including figures, tables and references using the IEEE format for conference proceedings (print area of 6-1/2 inches (16.51 cm) wide by 8-7/8 inches (22.51 cm) high, two-column format with columns 3-1/16 inches (7.85 cm) wide with a 3/8 inch (0.81 cm) space between them, single-spaced 10-point Times fully justified text).

Submissions not conforming to these guidelines may be returned without review. Authors should submit the manuscript in PDF format and make sure that the file will print on a printer that uses letter size (8.5 x 11) paper. The official language of the meeting is English.

Manuscript submission will start on **April 2, 2013**. Manuscript should be submitted through EDAS at <http://edas.info/newPaper.php?c=14143> Or log into EDAS at <http://edas.info>, select 'Submit paper' and then 'HiPC'13'. Electronic submissions must be in the form of a readable PDF file. Manuscripts must be received by **June 08, 2013**. Manuscripts should demonstrate current **original** research in any area of high performance computing. All manuscripts will be reviewed and will be judged on correctness, originality, technical strength and significance, quality of presentation, interest and relevance to the conference attendees.

Submitted papers must represent **original** unpublished research that is not currently under review for any other conference or journal. Papers not following these guidelines will be rejected without review and further action may be taken, including (but not limited to) notifications sent to the heads of the institutions of the authors and sponsors of the conference. Submissions received after the due date, exceeding length limit, or not appropriately structured may also not be considered. Authors may contact the Program Chair at the address below for further information or clarification. Notification of review decisions will be

mailed by **August 06, 2013**. Camera-ready papers are due by **August 25, 2013**. Published proceedings will be available at the conference.

Program Chair: Yves Robert, ENS Lyon, USA Email: yves dot robert at ens-lyon dot fr

HiPC 2013 ORGANIZING COMMITTEE

General Co-Chairs: Ramamurthy Badrinath, HP, India, Rama Govindaraju, Google, USA

Vice General Co-Chair: Jigar Halani, Wipro, India

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Workshops:

- Co-Chairs: Chiranjib Sur (Shell, India), Pavan Balaji (Argonne National Labs, USA), Yogesh Simmhan (University of Southern California, USA)

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Finance:

- Co-Chairs: Ajay Gupta (Western Michigan University), Venugopalan Thondayil (Retired auditor, India)