हाइपीसी
HiPC

HiPC 2016
23rd IEEE International Conference on High Performance Computing, Data, and Analytics

December 19-22, 2016 | Hyderabad, India
www.hipc.org

HiPC 2016 CALL FOR PAPERS

Full information detailing what/where to submit is available on the HiPC Website at www.hipc.org as well as notices and plans for other conference events including workshops and programs for students and industry.

Authors are invited to submit original unpublished research manuscripts that demonstrate current research in all areas of high performance computing, data, and analytics.

Topics include (but are not limited to):

• Algorithms for Mobile and Wireless Networks

• Big Data Processing and the 4 V's (Volume, Variety, Velocity, Veracity)

• Big Data and Data Analytics Systems and Software Architectures

• Compiler Technologies for High-Performance Computing

• Concurrent Algorithms such as Concurrent Data Structures

• Cross-Cutting Methods: Co-Design of Algorithms, Software, and Architectures

• Dealing with Uncertainties, Resilient/Fault-Tolerant Algorithms and Systems

• Emerging Applications such as Biotechnology, Nanotechnology

• Exascale Computing, Cloud Platforms, Data Center Architectures and Services

• High Performance/Scalable Storage Systems

• Hybrid Parallel Programming with GPUs and Accelerators

• Interconnection Networks and Architectures

• Large Scale Recommendation Systems, Graph Analytics & Computing Challenges

• Load Balancing, Scheduling and Resource Management

• Operating Systems for Scalable High-Performance Computing

• Parallel Languages, Programming Environments, and Performance Assessment

• Power-Efficient and Reconfigurable Architectures

• Quantum and Bio-Inspired Algorithms and Architectures

• Scientific/Engineering/Commercial Applications and Workloads

• Software Support and Advanced Micro-architecture Techniques

• Streaming Algorithms

• Visualization

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HiPC 2016 IMPORTANT DATES

March 31	**Workshop Proposals Due**
June 1	**Abstracts Due**
June 5	**Paper Submission Deadline**
August 15	**Reviews for Rebuttal**
August 20	**Rebuttals Due**
September 6	**Author Notification**
October 3	**Camera Ready Submission**

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