



Welcome to the 24th IEEE International Conference on High Performance Computing, Data, and Analytics

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HiPC 2017 CALL FOR PAPERS

Authors are invited to submit original unpublished research manuscripts that demonstrate current research in all areas of high performance computing, data, and analytics.

For more details see the HiPC website at www.hipc.org

TOPICS INCLUDE (BUT ARE NOT LIMITED TO):

- Algorithmic Techniques to Improve Energy and Power
- Big Data Analytics Systems and Software Architectures
- Cache/Memory Architecture for High Performance Computing
- Compiler Technologies for High Performance Computing
- Concurrent Algorithms and Data Structures
- Cross-Cutting Methods such as Co-Design of Parallel Algorithms, Software, and Architectures
- Dealing with Uncertainties, Resilient/Fault-Tolerant Algorithms and Systems
- Design and Application of Parallel and Distributed Algorithms and Systems
- Emerging Applications such as Biotechnology and Nanotechnology
- Exascale Computing, Cloud Platforms, Data Center Architectures and Services
- Hardware Acceleration for Parallel Applications
- High Performance/Scalable Storage Systems
- Hybrid Parallel Programming with GPUs and Accelerators
- Interconnection Networks and Architectures
- Large Scale Recommendation Systems, Graph Analytics and 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/Industrial Applications and Workloads
- Software Support and Advanced Micro-architecture Techniques
- Streaming Algorithms
- Parallelism in Visualization and Visual Analytics

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IMPORTANT DATES

Workshop Proposals Due: **Friday, March 31, 2017**

Paper Abstract Submission: **Monday, June 5, 2017**

Paper Submission Deadline: **Thursday, June 15, 2017**

Author Notifications for Rebuttal: **Thursday, August 10, 2017**

Author Rebuttal Response Due: **Tuesday, August 15, 2017**

Acceptance/Rejection Notification: **Friday, September 8, 2017**

Camera Ready paper Submission Due: **Tuesday, October 3, 2017**

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