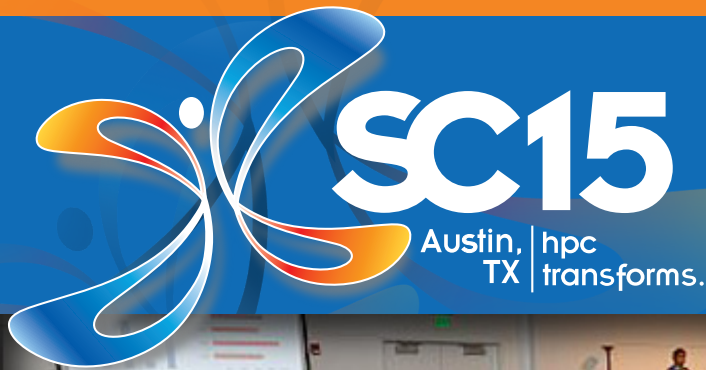Conference Dates: Nov. 15 - 20, 2015   **Exhibition Dates:** Nov. 16-19, 2015   The International Conference for High Performance Computing, Networking, Storage and Analysis

http://sc15.supercomputing.org/

SC15
Austin, TX | hpc transforms.

Call For Papers
Austin Convention Center

SC15, the premier annual international conference on high-performance computing, networking, storage and analysis, will be held in **Austin, Texas, USA, November 15-20, 2015.** The Technical Papers Program at SC is the leading venue for presenting the highest-quality original research, from the foundations of HPC to its emerging frontiers. The Conference Committee solicits submissions of excellent scientific merit, introducing new ideas to the field and stimulating future trends on topics such as applications, systems, parallel algorithms, data analytics and performance modeling. SC also welcomes submissions that make significant contributions to the "state-of-the-practice" by providing compelling insights on best practices for provisioning, using and enhancing high-performance computing systems, services, and facilities.

Submitted papers will be reviewed by the SC15 Technical Papers Committee. Selected papers will be presented at the Conference and published in the Conference proceedings. Awards will be given for Best Paper and Best Student Paper.

Technical Paper Topic Areas

1. Algorithms: The development, evaluation and optimization of scalable, general-purpose, high-performance algorithms.
2. Applications: The development and enhancement of algorithms, models, software and problem solving environments for domain-specific applications that require high-performance computing.
3. Architecture and Networks: All aspects of high-performance hardware including the optimization and evaluation of processors and networks.

4. Clouds and Distributed Computing: All aspects of clouds and distributed computing that are related to high-performance computing systems, including architecture, configuration, optimization and evaluation.
5. Data Analytics, Visualization and Storage: All aspects of data analytics, visualization and storage related to high-performance computing systems.
6. Performance: Cross-cutting aspects of large-scale performance, including power and/or resilience, that typically span multiple areas of expertise and are crucial factors in the design of scalable high-performance computing systems.
7. Programming Systems: Technologies that support parallel programming for large-scale systems as well as smaller-scale components that will plausibly serve as building blocks for next-generation high-performance computing architectures.
8. State of the Practice: All aspects related to the pragmatic practices of HPC, including infrastructure, services, facilities and large-scale application executions.
9. System Software: Operating system (OS), runtime system and other low-level software research and development that enables allocation and management of hardware resources for high-performance computing applications and services.

Important Dates
Submissions Open: February 16, 2015
Abstracts Submissions Close: April 3, 2015
Full submissions Close: April 10, 2015 *(A traditional one week extension will be given until April 17, 2015. No further extensions will be granted.)*
Review Rebuttal Period: June 8-11, 2015
Notification Sent: June 30, 2015
Conference Dates: November 15-20, 2015
Web Submissions: https://submissions.supercomputing.org/
Email Contact: papers@info.supercomputing.org

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