Submissions Now Being Accepted for the SC10 Technical Program
Climate Simulation, Heterogeneous Computing and Data Intensive Computing as Technology Focus Areas

NEW ORLEANS, LA – March 1, 2010 - SC10, the premier international conference on high-performance computing, networking, storage and analysis, is now accepting submissions for its technical program. The 23rd annual conference in the series, SC10 will take place in New Orleans, Louisiana from November 13–19, 2010. Over 11,000 attendees from industry, academia and government are anticipated.

"The SC Conference technical program has become internationally renowned as the preeminent forum for discovering, debating and demonstrating innovative advances in high-performance computing, networking, storage and analysis," said Barry Hess, General Chair of SC10 and Deputy CIO at Sandia National Labs.

Drawing on expertise from the international HPC community, SC10 will build on over two decades of success offering a broad spectrum of technical presentations and discussions including rigorously peer-reviewed papers, panels, tutorials, workshops and posters showcasing the latest findings from laboratories and research institutions around the world.

This year, the technical program encourages participants to focus on one of three thrust areas to be featured prominently at the conference: climate simulation, heterogeneous computing and data-intensive computing.

Climate simulation spotlights the tremendous importance of research in global climate change, including HPC-based climate simulation techniques which help scientists understand global warming, climate change and other environmental processes.

SC10's other thrusts highlight important emerging HPC technologies. Heterogeneous computing covers the technological and research advances in software that are required for accelerator-based computing, which is now occurring on large-scale machines and could propel supercomputing to the exascale level, where machines are capable of running a million trillion calculations per second.

As scientists depend more and more on supercomputing in their research, they are generating massive amounts of data that must be shared, stored and analyzed by teams of remotely located collaborators. This global trend underlines the importance of data-intensive computing, SC10s third main thrust, highlighting research into innovative solutions for managing data across

distributed high-performance computing systems, especially hardware and software requirements for effective data transfer.

"Each year we build on the strength of the SC conference programs before and our horizons continue to expand," said Ricky Kendall, SC10 Technical Program Chair and Group Leader, Scientific Computing at Oak Ridge National Laboratory. "This year we'll focus on the growing field of climate simulation, which seems especially appropriate for our venue in New Orleans. And as more scientific disciplines - like climate research - rely on HPC technologies to enable their research and collaborations, emerging innovations in heterogeneous computing and data intensive computing will be critical components to achieving new scientific breakthroughs."

DEADLINES:
Submissions for most areas of the SC10 technical program will be accepted beginning March 1. Technical Paper abstracts and ACM Gordon Bell Prize abstracts are due April 2. Final full Technical Papers as well as submissions for Tutorials and the ACM Gordon Bell Prize are due April 5.

Other immediate submissions deadlines include: Workshops, which are due April 15, 2010; the Student Cluster Competition, which are due by April 16, 2010; as well as Panel submissions, which are due April 26, 2010.

All submissions can be made online via: https://submissions.supercomputing.org/

For the entire list of technical program deadlines, visit:
http://sc10.supercomputing.org/?pg=dates.html

For any questions about the Technical program, email: program@info.supercomputing.org

About SC10
SC10, sponsored by IEEE Computer Society and ACM (Association for Computing Machinery) offers a complete technical education program and exhibition to showcase the many ways high performance computing, networking, storage and analysis lead to advances in scientific discovery, research, education and commerce. This premier international conference includes a globally attended technical program, workshops, tutorials, a world class exhibit area, demonstrations and opportunities for hands-on learning. For more information on SC10, please visit
http://sc10.supercomputing.org

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