NEWS RELEASE

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SC16 Showcases Latest Advances in High Performance Computing

Six-day supercomputing event features internationally-known expert speakers, cutting-edge workshops and sessions, a non-stop student competition, the world's largest supercomputing exhibition, panel discussions and much more.

New York, NY, November 2, 2016 – No other annual event showcases the revolutionary advances and possibilities of high performance computing (HPC) than the annual ACM/IEEE International Conference for High Performance Computing, Networking, Data Storage Analysis (SC). From the impact of HPC on the future of medicine, to its transformative power in developing countries and "smart cities." SC is the premiere venue for presenting leading-edge HPC research.

Sponsored by the Association for Computing Machinery Special Interest Group on High Performance Computing (ACM SIGHPC) and the IEEE Computer Society, SC16 features a 515,000 square foot exhibition hall housing the latest technologies and accomplishments from more than 350 of the world's leading vendors, research organizations and universities. They are connected by SCinet—the fastest, most powerful and advanced network in the world, built specifically to serve the conference for one week before it's dismantled. SC16 is the first opportunity to learn about many of the technologies that will shape the future of large-scale technical computing and data-driven science.

"For anyone in the world of computer science and high performance computing, the SC conference is one of the rare 'must-attend' events of the year," said SC16 General Chair John West from the Texas Advanced Computing Center. "Nowhere else can you engage with the leading thinkers in HPC, see such a vast marketplace of exhibitors, and learn about the next wave of advancements that will impact society in the coming years. From the folks at NASA to our 14 student teams from four continents, SC16 will be a special place to be."

SC16 Highlights Include:

Keynote Speaker Katherine Frase, formerly VP and CTO of IBM
Cognitive Computing: How can we accelerate human decision making, creativity and innovation using techniques from Watson and beyond?

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HPC Matters Plenary Discussion: *HPC Impacts on Precision Medicine*

Panelists include:

- Dr. Mitchell Cohen, Director of Surgery, Denver Health Medical Center; Professor, University of Colorado School of Medicine
- Dr. Martha Head, Senior Director, The Noldor; Acting Head, Insights from Data at GlaxoSmithKline Pharmaceuticals
- Dr. Warren Kibbe, Director, Center for Biomedical Informatics and Information Technology (CBIIT); Chief Information Officer; Acting Deputy Director; National Cancer Institute (NCI)
- Dr. Dimitri Kusnezov, Chief Scientist and Senior Advisor to the Secretary, U.S. Department of Energy, National Nuclear Security Administration
- Dr. Steve Scott, Chief Technology Officer, Cray Inc.

SCinet—The World's Fastest Network Connecting the Fastest Computers

Planned more than a year in advance and built through the donations of millions of dollars in equipment and services, SCinet will bring to life a very high-capacity network that supports the revolutionary applications and experiments that are a hallmark of the SC conference.

Student Cluster Competition

Held as part of SC16 Students@SC, the Student Cluster Competition is designed to introduce the next generation of students to the high-performance computing community. In this real-time, non-stop, 48-hour challenge, 14 teams of undergraduate and/or high school students from the U.S., South America, Asia and Europe assemble a small cluster on the exhibit floor and race to complete a real-world workload across a series of applications to impress HPC industry judges.

The Student Cluster Competition is an HPC multi-disciplinary experience integrated within the HPC community's biggest gathering. The competition is a microcosm of a modern HPC center that teaches and inspires students to pursue careers in the field of computer science.

Additional Highlights:

Technical Program

Each year SC provides the leading technical program in the supercomputing community – as measured by impact – with a review process that meets the highest academic and professional standards. The Technical Program is also the broadest and largest of any HPC conference, with venues ranging from invited talks, panels and research papers to tutorials, workshops, posters, BOF sessions, and a graduate showcase. Being part of the SC Technical Program greatly enhances any HPC career, whether you are unveiling new research, working at the leading edge of HPC practice, or helping teach the next generation.

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Workshops

SC16 includes full and half-day workshops that complement the overall Technical Program events with the goal of expanding the knowledge base of practitioners and researchers in a particular subject area. These workshops provide a focused, in-depth venue for presentations, discussion and interaction. Workshop proposals were peer-reviewed academically with a focus on submissions that inspire deep and interactive dialogue in topics of interest to the HPC community.

Industry & Research Exhibits

SC16 will boast a diverse mixture of exhibitors representing industry, government and academic organizations from around the world. This unique, collaborative environment has a legacy for debuting the most advanced innovations in the HPC, networking and storage industries.

SC16 takes place in Salt Lake City, Utah from Nov. 13-18, 2016. For more information about SC16, including a full conference program please visit: http://sc16.supercomputing.org/

About SC16

SC16, the International Conference for High Performance Computing, **sc16.supercomputing.org**, sponsored by ACM and IEEE-CS 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.

About ACM

ACM, the Association for Computing Machinery (www.acm.org)**,** is the world's largest educational and scientific computing society, uniting computing educators, researchers and professionals to inspire dialogue, share resources and address the field's challenges. ACM strengthens the computing profession's collective voice through strong leadership, promotion of the highest standards and recognition of technical excellence. ACM supports the professional growth of its members by providing opportunities for life-long learning, career development and professional networking.

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