Computing Sciences Students: Get your Team Together for the SC17 Student Cluster Competition in Denver

Deadline to apply is Friday, April 7, 2017

DENVER, COLORADO—Students interested in demonstrating their high-performance computing skills on a global stage are invited to team up and sign up to compete in the tenth anniversary Student Cluster Competition at the **SC17 Conference** to be held Nov. 12-17, 2017, in Denver, Colo. SC17 is the premier international conference on high performance computing, networking, storage and analysis.

The Student Cluster Competition(SCC) is a high energy event featuring student supercomputing talent from around the world competing to build and operate powerful cluster computers, all in the view of thousands of HPC experts. Applications are now being accepted and the deadline for team submissions is Friday, April 7, 2017.

Launched at SC07 to showcase student expertise in a friendly yet spirited competition, the Student Cluster Competition aims to introduce the next generation of students to the high-performance computing community. Over the last couple of years, the competition has drawn teams from around the world, including Australia, Canada, China, Costa Rica, Germany, Russia, Taiwan and the United States.

The SC17 competition will again include the SCC Reproducibility Initiative, in which students will be challenged to reproduce a paper rather than run prescribed datasets. Although they are doing similar tasks from previous competitions, they are seeing it from an entirely new perspective, as a component to the scientific process.

"We added this challenge at SC16 to help students understand, early in their careers, the important role reproducibility plays in research," said SCC Chair Stephen Harrell. "This not only adds another layer of competition, but also brings more real-world experience to the event."

Team proposals must be submitted via the SC17 submission site at https://submissions.supercomputing.org/.

How the Challenge Works

In this real-time, non-stop, 48-hour competition, teams of undergraduate and/or high school students assemble small cluster computers on the SC17 exhibit floor and race to complete a real-world workload across a series of applications and impress HPC industry judges. Prior to the competition, teams work with their advisor and vendor partners to design and build a cutting-edge cluster from commercially available components that does not exceed a 3000-watt power limit (26-amp at 120-volt), and work with application experts to tune and run the competition codes.

Questions should be sent to **student-cluster-competition@info.supercomputing.org**

About SC17

SC17, sponsored by the ACM (Association for Computing Machinery) and the IEEE Computer Society, 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.