

## **PRESS RELEASE**

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### **The HPC Advisory Council and the International Supercomputing Conference to Showcase the Industry's Next Generation of HPC Coders and Cluster Administrators with 2<sup>nd</sup> Annual Student Cluster Challenge**

*Student teams from around the world will compete and demonstrate the incredible capabilities of state-of-the-art high-performance cluster hardware and software during ISC'13 conference*

**Sunnyvale, Ca. – June 13, 2013** – The HPC Advisory Council (HPCAC), a leading organization for high-performance computing research, outreach and education, and the International Supercomputing Conference (ISC), today announced its 2<sup>nd</sup> Annual [HPCAC-ISC 2013 Student Cluster Challenge](#) will be a major highlight during ISC'13. In a real-time challenge, 8 teams of undergraduate students from around the world will build a small cluster of their own design on the ISC'13 exhibit floor and race to demonstrate the greatest performance across a series of benchmarks and applications.

University-based teams to compete and demonstrate the incredible capabilities of state-of-the-art HPC systems and applications on the ISC'13 show-floor will be the following: The [University of Edinburgh \(EPCC\)](#) from the United Kingdom, [Chemnitz University of Technology](#) from Germany, [Costa Rica Institute of Technology \(TEC\)](#) from Costa Rica, [Purdue University](#) and the [University of Colorado Boulder \(CU\)](#) from the USA, [Centre for High Performance Computing \(CHPC\)](#) from South Africa, and [Tsinghua University](#) and [Huazhong University of Science and Technology \(HUST\)](#) from China.

“The HPCAC-ISC Student Cluster Challenge is an opportunity to showcase the world’s brightest computer science students’ expertise in a friendly, yet spirited competition,”

said Dr. Hans Werner Meuer, ISC General Chair. “We look forward to this very engaging competition during ISC’13 and wish all the teams good luck.”

“The HPCAC-ISC Student Cluster Challenge is designed to introduce the next generation of students to the international high-performance computing community,” said Gilad Shainer, chairman of the HPC Advisory Council. “This exciting challenge is an excellent educational opportunity for students around the world to showcase their knowledge and skillsets and to engage with leading commercial vendors. Together, the HPC Advisory Council, ISC team, the sponsors including Airbus, Inspur, and others, and university teams from around the globe, all look forward to this competitive and fun challenge.”

“Airbus is proud to continue the sponsorship of the HPCAC-ISC Student Cluster Challenge,” said Guus Dekkers, Airbus CIO & Corporate CIO EADS. “We are heavy users of HPC to drive our product excellence and innovation. This important event is critical to highlight and promote future HPC computer scientists and to attract them to our industry and our specific challenges.”

“The HPCAC-ISC Student Cluster Challenge has been a fantastic addition to the ISC program and is a great showcase for both the universities and their student teams,” said Dan Olds, Principal Analyst at Gabriel Consulting Group. “Students who participate in these competitions find it jumpstarts their careers in technology and research. We’ve also seen universities use these events as a way to increase the breadth and depth of their HPC curriculums.”

Team preparation prior to the competition included working with supervisors and vendor partners to design and build a winning cluster from commercially available components not exceeding the 3kW power limit, and to learn the predetermined HPC applications.

### **Supporting Resources:**

- Learn more about the [HPCAC-ISC Student Cluster Challenge](#)
- Follow the HPC Advisory Council on [Twitter](#) and [Facebook](#)

### **About ISC'13**

Now in its 28th year, ISC is the world's oldest and one of the most important conferences for the HPC community, offering a strong five-day technical program with a wide range of expert speakers and exhibits from leading research centers and vendors. A number of events complement the technical program, including Tutorials, Workshops, Top500 Announcement, Research Paper Sessions, Birds of a Feather (BoF) Sessions, Research Poster Session, Exhibitor and Start-up Forums and the popular "Hot Seat Sessions" featuring leaders from industry and research centers.

ISC'13 is open to IT-decision makers, scientists, members of the HPC global community and other interested parties. The ISC exhibition allows analysts, decision-makers from the automotive, defense, aeronautical, gas & oil, banking and other industries; solution providers, data storage suppliers, distributors, hardware and software manufacturers, the media, scientists and universities to see and learn firsthand about new products, applications and technological advances in the supercomputing industry today.

### **About the HPC Advisory Council**

The HPC Advisory Council's mission is to bridge the gap between high-performance computing (HPC) use and its potential, bring the beneficial capabilities of HPC to new users for better research, education, innovation and product manufacturing, bring users the expertise needed to operate HPC systems, provide application designers with the tools needed to enable parallel computing, and to strengthen the qualification and integration of HPC system products. For more information about the HPC Advisory Council, please visit [www.hpcadvisorycouncil.com](http://www.hpcadvisorycouncil.com).

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