

# Teams Announced for HPCAC-ISC 2014 Student Cluster Challenge

HPC Advisory Council



SUNNYVALE, CA — The HPC Advisory Council (HPCAC), a leading organization for high-performance computing research, outreach and education, and the International Supercomputing Conference (ISC), have announced the 11 university teams from around the world for the [HPCAC-ISC 2013 Student Cluster Competition](#) [1] during the ISC'14 program of events. University-based teams to compete and demonstrate the incredible capabilities of state-of-the-art HPC systems and applications on the ISC'14 show-floor will be the following:

- Ulsan National Institute of Science and Technology (UNIST), South Korea
- A combined team of students from Massachusetts Institute of Technology (MIT), Bentley University, Northeastern University (NEU), United States
- The University of Edinburgh (EPCC), United Kingdom
- Chemnitz University of Technology, Germany
- University of Hamburg, Germany
- University of São Paulo, Brazil
- University of Colorado at Boulder, United States
- A university to be determined in a run-off competition via the Centre for High Performance Computing (CHPC), South Africa
- University of Science and Technology of China (USTC), China
- Two additional university teams from China to be determined in a run-off competition via Inspur in early 2014

In a real-time challenge, the 11 teams of undergraduate students will build a small cluster of their own design on the ISC'14 exhibit floor and race to demonstrate the greatest performance across a series of benchmarks and applications. It all

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concludes with a ceremony on the main conference keynote stage to award and recognize all student participants in front of thousands of HPC luminaries.

“The HPCAC-ISC Student Cluster Competition is designed to introduce the next generation of students to the international high-performance computing community. We are pleased with the increasing worldwide mix of universities and students who are participating,” said Gilad Shainer, chairman of the HPC Advisory Council. “We received over 20 applications from universities worldwide for the 11 competition spots, and the selection process was not easy. We hope to be able to host more universities in future competitions. 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 and university teams from around the globe, all look forward to this competitive and fun challenge.”

“The HPCAC-ISC Student Cluster Competition is an opportunity to showcase the world’s brightest computer science students’ expertise in a friendly, yet spirited competition. We are very pleased to host 11 compelling university teams around the world to compete,” said Dr. Hans Werner Meuer, ISC General Chair. “We look forward to this very engaging competition at next year’s ISC’14 and wish all the teams good luck.”

Team preparation prior to the competition includes working with supervisors and vendor partners to design and build a winning cluster from commercially available components not exceeding power limit, and to learn the predetermined HPC applications. A video of the HPCAC-ISC 2013 Student Cluster Competition is available on [YouTube](#) [2]. For more information, sponsorship and general questions, e-mail [scc@isc-events.com](mailto:scc@isc-events.com) [3].

### **About ISC’14**

Now in its 29th 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 Forums and the popular "Vendor Showdown Sessions" featuring leaders from industry and research centers.

ISC’14 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 and 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**

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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) [4].

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[1] <http://cts.businesswire.com/ct/CT?id=smartlink&url=http%3A%2F%2Fwww.hpcadvisorycouncil.com%2Fevents%2F2014%2Fisc14-student-cluster-competition%2F&esheet=50761021&newsitemid=20131203005484&lan=en-US&anchor=HPCAC-ISC+2013+Student+Cluster+Competition&index=1&md5=53a47b41665ce049a9e42ed06a57752c>

[2] <http://cts.businesswire.com/ct/CT?id=smartlink&url=http%3A%2F%2Fyoutu.be%2FwX41ylet-E&esheet=50761021&newsitemid=20131203005484&lan=en-US&anchor=YouTube&index=2&md5=9f1efbcee17e4938ba7b1a6921a9de45>

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