

November 13-19, 2010 ♦ New Orleans, LA



**SC Communities:
Opportunities for
students, faculty,
early-career
professionals,
and international
attendees.**

<http://SC10.supercomputing.org>

International Assistance from SC Ambassadors: Before the conference, the Ambassadors provide web-based assistance on how to obtain visas, make housing arrangements, and plan travel within the New Orleans metro area. At the conference, a special International Attendees Center will offer assistance specifically for international attendees.

Understand State of the Art in HPC by Serving as a Student Volunteer: Undergraduate and graduate students are encouraged to apply to help with the management and operation of the conference. In exchange, student volunteers will receive free conference registration, housing (for out-of-town volunteers) and most meals. In addition, limited support for transportation expenses (such as airfare) is available for students from groups that traditionally have been underrepresented in HPC, such as African-Americans, Hispanics, Native Americans, Alaska Natives, Native Hawaiians, Pacific Islanders, the physically challenged and women. **Applications due: August 27.**

Create the Future with the Education Program: Our special program for educators introduces HPC and computational tools, resources and methods to undergraduate faculty and pre-college educators. We also assist educators in integrating HPC and computational techniques into their classrooms and research programs. This four-day intensive program will immerse participants in high-performance computing, networking, storage and analysis; selected participants will stay an additional two nights to experience the SC10 Technical Program. Special events for the New Orleans area include a Teachers' Day and support for high school field trips. Limited travel support is available; those not receiving travel support may participate by paying a separate registration fee. **Travel support applications due: July 31.**

Build Community through Broader Engagement: Our program builds community activities designed to increase the involvement of individuals from groups that have been traditionally underrepresented in the HPC field and SC. Saturday sessions provide introductions to and professional development in HPC and computational science. Special activities engage the entire the HPC community attending SC, such as our Student Job Fair open to all students; and the Mentor/Protégé program matching protégés from the Broader Engagement, Student Volunteers and Student Cluster Challenge programs with self-identified mentor-attendees of the conference. Attendees can register to participate via conference registration or apply for competitive travel grants. Travel grants support travel to and participation in the SC10 Technical Program; consideration will be given to applicants from groups that traditionally have been underrepresented in HPC, such as African-Americans, Hispanics, Native Americans, Alaska Natives, Native Hawaiians, Pacific Islanders, the physically challenged, women and developing countries. Applications are encouraged from all those in computing-related disciplines. **Applications due: August 16.**

Showcase Your Skills in the Student Cluster Competition: Our Student Cluster Competition (SCC) demonstrates the computational impact of clusters and open source software in the hands of motivated and sleep-deprived students under both a time and power constraint. Teams consisting of six students, undergraduate and/or high school, will showcase the amazing power of clusters and the ability to utilize open source software to solve interesting and important problems, competing in real-time on the exhibit floor to run a workload of real-world applications on clusters of their own design while never exceeding the dictated power limit. **Applications due: April 16.**

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