



SC07 Education Program

Nov 10-13, 2007

www.sc-education.org

Applications due June 30, 2007

Who is the intended audience?

The program is open to undergraduate faculty from 2 and 4 year colleges and universities, minority serving institutions, and research 1 universities through an on-line application process. Faculty are encouraged to have their undergraduate and graduate students apply. The program is open to high school teachers collaborating with college faculty. Individuals and teams of collaborators are welcome. Educators in all fields of science, technology, engineering, mathematics, humanities, arts and social sciences are encouraged to apply.

What is the SC07 Education Program?

The SC07 Education Program invites undergraduate faculty, college students, and high school teachers to spend four days engaged in hands-on sessions at the SC07 Conference learning about high performance computing and communications tools and resources for learning in all science and engineering domains. Participants will learn about approaches to using computing and communications resources in the classroom from desktop applications to high performance applications for teaching and learning. The Education Program runs November 10-13, 2007 at the Reno-Sparks Convention Center in Reno, Nevada.

What is the SC07 Conference?

SC07 is the international conference for high performance computing, networking, storage and analysis. The annual conference engages leading scientists, engineers, technologists and educators to learn about the latest technologies and resources for research and education. Participants have the opportunity to 1) attend technical sessions, state-of-the field talks, and panels, 2) see exhibits of state-of-the-art technologies and their impact on research and education, and 3) interact with leading scientists and engineers from around the world. The SC07 Conference runs November 10-16, 2007. See <http://sc07.supercomp.org/> for additional information about the conference.

What are the Requirements for Participation?

Individuals are welcome to apply. We encourage people to attend with colleagues to provide mutual support after the event. A \$75 registration fee is requested for those selected to participate. Scholarships are available for people unable to cover this fee. Travel, housing, meals and materials are provided to all selected participants.

Student Program

The conference offers activities for undergraduate and graduate students to learn about career opportunities in education, research, and industry. Students will participate in discussions with experts on interviewing techniques, graduate school admission, and internship and fellowship opportunities.

Awards Program

Nominations for computational science awards are now being accepted. Three categories of awards will be made to recognize people that are making in significant progress in applying computation science tools and resources in scientific discovery. The awards include:

- UCES award recognizes undergraduate faculty
- Verona award recognizes K-12 educators
- Panoff award recognizes high school, undergraduate and graduate students

Student Competition

Applications are now being accepted for the SC07 Student Competition Program, a competitive programming event. Teams of students will solve problems from various scientific problem domain areas. Students will have 24 hours to submit code and solutions to as many problems as they choose.

Education Program Sponsors

The Education Program is supported by the SC07 Conference, the National Computational Science Institute, the National Science Foundation, Intel Corporation, IEEE Computer Society, ACM SIGARCH, the Krell Institute, and TeraGrid.

See www.sc-education.org for additional details.

