

“Making the High Performance Classroom Available to All”

SC07 Learning & Physical Challenges Education Program

"Access to information and communication technologies creates opportunities to everyone in society, but perhaps no-more so than for persons with disabilities. No longer do the societal barriers of prejudice, infrastructure, and inaccessible formats stand in the way of participation. When available to everyone, information technologies foster individuals to reach their full potential, and for persons with disabilities it allows them to play their part in society's development."

-UN Rights of Persons with Disabilities [eAccessibility](#).

The SC07 Conference is the premier International Conference on High Performance Computing, Networking and Storage, sponsored by ACM and IEEE. The SC07 Conference will be held November 10-16, 2007, in Reno, Nevada. For more information, please see <http://sc07.supercomputing.org/>

The theme for the SC07 Learning & Physical Challenges Education Program is *"Very Special Techies: Expressing Diversity through High Performance Computing."* The purpose of the SC07 Learning & Physical Challenges Education (LPCE) program is to empower grades 7 through 16, faculty, educators, administrators, special education professionals and students with disabilities to apply computational science across a variety of content areas in classrooms.

The intended impact goes beyond LPCE participation in the conference; to foster collaborative relationships with scientists at major research centers by increasing the amount and quality of computational science education at academic institutions and schools. LPCE students frequently show combinations of the traits that provide innovations and insight – attributes needed in high performance computing (HPC) and the applications that high performance computing supports.

Benefits to Participants

- 1 Inspire faculty, educators, administrators, special education professionals and students with disabilities to become more involved in high performance computing.
- 2 Expose faculty, educators, administrators, and special education professionals teaching LPCE undergraduate, high school and middle school courses in discipline-specific uses of high performance computing.
- 3 Provide LPCE undergraduate students the opportunity to learn computational science and high performance computing from experts in the field.
- 4 Increase the visibility of the LPCE program to the full SC conference by providing access to focal point participation throughout the conference events.
- 5 Increase awareness of high performance computing to the administration of LPCE programs.

Applications are being accepted NOW!

Additional information on the program including the nomination forms and applications is available at <http://www.sc-education.org>.

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