



SC12 News: HPC Educators Program Seeks Proposal Submissions

SC12 offers opportunities for educators to bring HPC into the classroom

The SC12 High Performance Computing (HPC) Educators Program offers tutorial and networking opportunities for undergraduate educators and attendees who want to integrate HPC and its application to science and engineering into the classroom.

The educators program also provides forums that allow HPC educators to engage industry and government and share best practices.

What was previously called the Education Program has been renamed to reflect a major change that more closely aligns the new HPC Educators Program with the SC12 Technical Program. Submissions for education tutorials and panels will undergo a rigorous peer-review process similar to submissions to the Technical Program, and the calls for proposals to the two programs will be closely coordinated. Submissions for the HPC Educators program are due by April 27, 2012.

“This year’s HPC Educators Program will more sharply focus on undergraduate and early graduate level education,” said Almadena Chtchelkanova, chair of education for SC12. “By aligning the educators program closely to the Technical Program, we aim to provide participants with the most current methods and curriculum material for HPC and its application to science and engineering – techniques and content important to preparing the next generation of HPC scientists and engineers.”

SC12 will continue the tradition of offering a high-quality education program, providing interested attendees with the opportunity to learn from and interact with internationally recognized experts teaching undergraduate and early career students in all areas of computational science and engineering, computer science and engineering, high performance computing, networking, and storage.

Presenters are invited to submit a proposal for an HPC Educators Program session to share their experience teaching these topics to undergraduate students, with emphasis on curriculum development and pedagogy. The community is also invited to submit curriculum materials relevant to HPC, topical modules for use in inter-disciplinary classrooms, and best practices of interest to undergraduate HPC educators and general SC attendees.

Read the HPC Educators call for program sessions.

Competitive grants will be available to support travel to and participation in SC12. Special consideration will be given to applicants from post-secondary educational institutions that traditionally have been underrepresented in HPC, but are aspiring to introduce HPC into classrooms. Highest consideration will be given to teams of 2-3 faculty from a single institution who apply together and demonstrate institutional interest to support HPC curriculum development. Grant recipients are expected to attend the entire SC12 conference from Sunday through Thursday.

Submissions Due: April 27, 2012

For more information, email: hpceducators@info.supercomputing.org

About SC12

SC12, sponsored by the ACM (Association for Computing Machinery) and the IEEE Computer Society, offers a complete technical education program and exhibition to showcase the many ways high performance computing, networking, storage and analysis lead to advances in scientific discovery, research, education and commerce. This premier international conference includes a globally attended technical program, workshops, tutorials, a world class exhibit area, demonstrations and opportunities for hands-on learning.

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