

SC09 Education Program Summer Workshop

COMPUTATIONAL ENGINEERING FOR ENGINEERING EDUCATORS

**JULY 12 – JULY 18, 2009 • OHIO STATE UNIVERSITY
COLUMBUS, OH**

What are the SC Education Program summer workshops?

The SC Education Program provides week-long, hands-on, tutorial style workshops with topics which cover computational methods in a variety of science disciplines and parallel and cluster computing. The material is designed for undergraduate faculty from a variety of disciplines who would like to add computational methods to their undergraduate teaching.

Computational Engineering for Engineering Educators

This workshop focuses on applications of computational science in engineering and bioengineering education. The workshop will build upon earlier workshops held at SC08 Education Program in Austin, Texas and provide more in-depth work with undergraduate and graduate engineering faculty as well as interested professionals from industry. The workshop will introduce the basic competencies for modeling and simulation for undergraduate engineers and provide hands-on examples using MATLAB, Vensim, and other modeling tools. This will allow for more advanced sessions in using parallel MATLAB for signal image processing and several other possible applications, computational fluid dynamics using the Open Foam, open source package, and one or two other subareas depending upon demand.

Dates

June 14 - 20

Location

Widener University – Chester, PA

Who is the intended audience?

The SC Education Program is open to undergraduate and graduate educators in all fields of science, technology, engineering, mathematics, humanities, arts and social sciences, especially those from minority-serving institutions. The summer workshops are also open to high school teachers collaborating with college faculty. Faculty are encouraged to mentor and support undergraduate and graduate students by including them as part of their team.

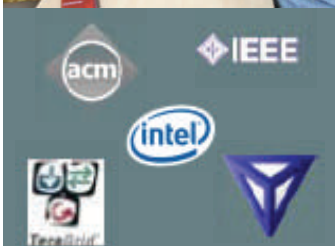
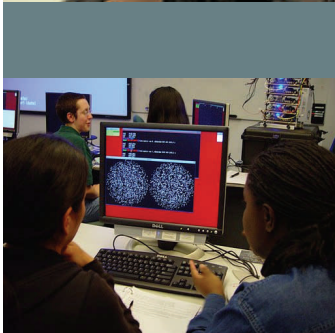
What is the cost involved with attending?

Participants are asked to provide a fully refundable* deposit of \$150 (payable by check or money order) and will be required to cover their own travel expenses and incidental expenses. Room, board, all meals except Wednesday lunch and dinner, are covered by the SC Education Program.

How do I register?

Visit <http://sc-education.org/workshops/> to register.

* Deposits will be refunded only after complete attendance at every single day of the workshop and submission of all surveys (pre-survey, all daily surveys, and post-survey), in a timely manner. Withdrawing from a workshop without demonstrated special circumstances less than 28 calendar days before the official workshop start date may result in a partial or no refund.



Register Now: <http://sc-education.org/workshops/>

SC Education Program Summer Workshops

Register at <http://sc-education.org/workshops/>

→ Introduction to Computational Thinking

Dates

May 25 – 30

July 5 – 11

August 2 – 8

Locations

Calvin College in Grand Rapids, MI

Atlanta University Center in Atlanta, GA

University of Arkansas in Fayetteville, AR

→ Parallel Programming and Cluster Computing

Dates

June 7 – 13

July 5 – 11

August 9 – 15

Locations

Kean University in Union, NJ

Louisiana State University in Baton Rouge, LA

University of Oklahoma in Norman, OK

→ Computational Biology for Biology Educators

Dates

June 7 – 13

Locations

University of California, Merced in Merced, CA

→ Computational Chemistry for Chemistry Educators

Dates

May 17 – 23

Locations

Oklahoma State University in Stillwater, OK

→ Computational Engineering for Engineering Educators

Dates

July 12 – 18

Locations

Ohio Supercomputer Center at OSU in Columbus, OH

→ Computational Thinking in the Grades 6-12 Classroom

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Dates

July 12 – 18

Locations

University of Florida in Gainesville, FL

This list is subject to change as more workshops are added. See the website at <http://sc-education.org/workshops/> for up-to-date information.