

SC09 Education Program Summer Workshop

INTRODUCTION TO COMPUTATIONAL THINKING

**MAY 25 - MAY 30, 2009 • CALVIN COLLEGE
GRAND RAPIDS, MI**

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.

Introduction to Computational Thinking

The purpose of this workshop is to expose participants to and inspire them with new techniques, teaching materials, and applications to use computational models in the undergraduate curriculum. By bringing faculty from different disciplines together so that they can learn how to incorporate computational models into their classrooms and research projects, it will advance the use of computing in undergraduate science education. We desire to have participants from a broad range of disciplines, including computer science, mathematics, and the natural sciences.

Dates

May 25 – May 30
July 5 – July 11
August 2 – August 8

Location

Calvin College – Grand Rapids, MI
Atlanta University Center – Atlanta, GA
University of Arkansas – Fayetteville, AR

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

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→ 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.