

# SC Education Summer Workshop

## INTRODUCTION TO MODELING, SIMULATION, AND COMPUTATIONAL METHODS

JULY 28 - JULY 30, 2008 • INDIANA UNIVERSITY  
NORTHWEST - GARY, INDIANA

### What are the SC Education summer workshops?

The SC Education program provides week-long workshops in High Performance Computing (HPC) education and HPC curriculum development for faculty, administrators, and students.

### Introduction to Modeling, Simulation, and Computational Methods Workshop Summary

This 3 day workshop is designed for faculty from a broad range of disciplines: science, technology, engineering, mathematics (STEM), and humanities, arts, and social sciences (HASS). The material covers a broad range of modeling and simulation techniques, e.g. cellular automata, dynamic systems, agents, and Monte Carlo methods. An introduction to using large-scale computational resources will be provided along with credentials and support for continued use of the computational resources after the workshop.

### Who is the intended audience?

The primary audience is faculty looking to incorporate modeling, simulation, and/or computational methods into their undergraduate classes, research applications can be covered as well depending on participant interests. One or more undergraduate students are also welcome to accompany any faculty member attending the workshop.

### What is the cost involved with attending?

Participants are asked to pay a registration fee of \$75 and will be required to cover their own travel expenses. Upon verification of workshop attendance and the completion of workshop surveys, participants will receive \$75 to defray their travel expenses.

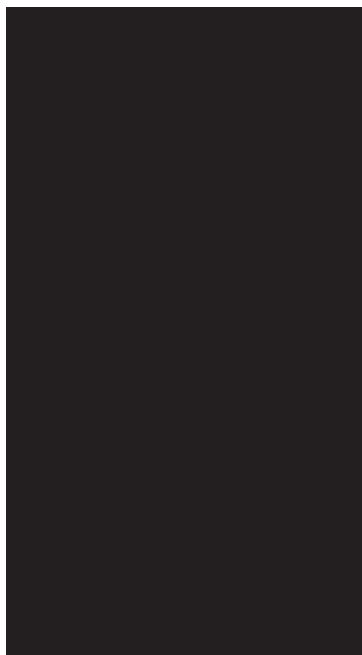
Room, board, most meals, and other costs associated with the workshop are covered by the SC Education Program, UITS Research Technologies, and Teragrid.

### How do I register?

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

### What is the SC08 Education program?

The SC08 Education program uses hands-on based workshops to help attendees incorporate computational science and computational modeling into primarily the undergraduate curriculum. Topics may also include high performance computing and communications technologies in support of science and modeling. The intent of the curricular change is to prepare future scientists, technologists, engineers, and teachers. The program culminates in a week-long offering at the SC (Supercomputing) Conference in November.



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

