



NSF WORKSHOP ON SCIENCE EDUCATION IN COMPUTATIONAL THINKING

Workshop Announcement

Purdue University Department of Computer Science
November 15-16, 2007

The workshop “Science Education in Computational Thinking (SECANT)” will bring together computer scientists and natural scientists who recognize that computing has become indispensable to scientific inquiry and is set to permeate science in a transformative manner. The workshop will address how to make computational thinking a central part of an undergraduate science education through the development of new courses focused on the computational understanding relevant to tomorrow’s scientist.

The workshop will include talks, panel presentations, and round table discussions. Participants will be invited to contribute a 2-page position paper to workshop proceedings. The workshop will include the following topics:

- Creating a dialog between science and computer science
- Programming in the small versus the big picture approach
- Relevant CS topics and projects for science students and what to avoid
- Use of visualization in understanding computational and scientific processes
- Building a community for sharing resources
- The next generation of scientists in the workforce

More information, including the agenda and a registration link, is available at <http://secant.cs.purdue.edu/>. The workshop has no registration cost, but registration by November 9 is required.

Workshop Organizers

Susanne Hambrusch, Department of Computer Science, Purdue University, seh@cs.purdue.edu
Mark Haugan, Department of Physics, Purdue University, mph@physics.purdue.edu

For local arrangement questions contact Nicole Piegza, piegza@cs.purdue.edu, 765-494-9431.

Location

Lawson Computer Science Building, Purdue University, 305 N. University, West Lafayette, IN



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