

The Dr. Robert M. Panoff Computational Science Student Award Program

About the Panoff Computational Science Student Awards

The purpose of the Robert M Panoff Student Award Program is to recognize those students who demonstrate knowledge, skills and excitement through their use of computational tools for solving math, science and/or engineering problems.

Award Background

Dr. Robert M. Panoff, founder and Executive Director of The Shodor Education Foundation, Inc., has been steadfast in the promotion and support of science education through computation. The Robert M. Panoff Student Award For Explorations in Science Through Computation award program promotes excellence in student-driven explorations in science made possible through the use of computation. This program is intended to encourage science exploration at all academic levels and to recognize students that have woven insight and discovery together through the use of computation modeling, simulation, and/or data analysis.

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Awards consist of the following:

- An award certificate
- Travel expenses to attend the award luncheon at the Supercomputing conference held each November
- A paid summer internship at The Shodor Education Foundation, Inc. in Durham, NC

Eligibility

High school students, undergraduate students and graduate students enrolled in an accredited school, college or university.

Application Guidelines

Applications must include the following information in the order presented:

- A completed application form.
- A maximum 2 page description of one of the following:
 - a solution to a science, engineering, or mathematics problem
 - a model developed to help students or scientists to solve a scientific problem
 - activities developed that students might use to better learn science skills; or
 - science insight derived as the result of using modeling, data mining, or visualization tools.
- Software may also be submitted, as appropriate, to accompany the above essay
- One letter of nomination and three letters of support from individuals and groups who are familiar with the applicant's work. You may self-nominate. Letters should not exceed three pages each and may be submitted via the awards web site. Letters should address the impact the applicant has had on his/her students and/or on other teachers with respect to the use of computational science tools, methods and strategies.

Upon receipt, applications become the property of the SC07 Education Program. Applications will not be returned to applicants. Late applications will not receive full consideration. Completed applications must be received by May 15, 2007.

Selection Criteria

A judging committee of individuals involved in the application of computational science tools and methods will evaluate the applications using the following criteria:

- Focus on the use of computational science tools and methods
- Leadership in helping others use computational tools and methods
- Innovation
- Scientific impact in any subject of your choosing
- Quality of submitted materials