Computing Research Association
Conference at Snowbird 2000

Slides from a "Birds of a Feather" workshop

on the topic of

"Strategies and Successes in NSF's Science and Technology Center Program"

presented by

Dragana Brzakovic,
National Science Foundation

Monday July 10, 2000
5:15 pm

http://www.cra.org/Activities/snowbird/00/birds1-4.html

The STC Program Vision: The NSF Perspective

July 10, 2000

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Office of Integrative Activities

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Overview

⇨ Program Goals

⇨ Proposal / Evaluation Criteria

NSF in a Changing World

⇨ 3 overarching goals

- ☞ **world class science**
- ☞ **promote discovery in service to society**
- ☞ **excellence in science math and engineering education**

⇨ 4 core strategies

- ☞ **strengthening physical infrastructure**
- ☞ **integrating research and education**
- ☞ **promote partnerships**
- ☞ **developing intellectual capital**

Equal value for research and education.

The Science and Technology Centers: Integrative Partnerships (STC)

➪ Research efforts not before possible

➪ Involvement of researchers in education efforts at a different level

    ☛ **(bring your creative juices to bear on the k-12 education system of this nation..with institutionalization of models in mind)**

➪ Not feel good education and outreach

➪ A cultural Change agent on campuses

Issues possible to approach in this mode of support

⇨ Connectivity of the community for various items (research, education, communications)

⇨ Partnerships in research, education

  ☞ (U/I; U/U; U/State; U/Fed; U/INT) too numerous to enumerate all

⇨ International issues

⇨ Education over the web (curriculum reform)

⇨ Models for dissemination

⇨ Innovative and non-traditional uses of technologies/communications

STCs...A VERY RISKY BUSINESS

⇨ Risk in research outcomes

⇨ Risk in educational goals

⇨ Management Risk

Proposal Evaluation Criteria

1. What is the intellectual merit of the proposed activity?
2. What are the broader impacts of the proposed activity?
3. Integration of research and education
4. Integrating diversity into NSF programs, projects, and activities.
5. Value of the center-mode to research, education, and knowledge transfer.
6. Integrative nature of the proposed center.
7. Leadership, management plan, impact of institutional support, and budget.

Awardees vs. Declinees

⇨ Value Added

⇨ Regional or National Impact

⇨ Demonstrated commitment of Institutions

⇨ Leadership

OIA: Science and Technology Centers

Current Info & Documents

Historical Documents

Links to Awardees

FAQs

Director's Dear Colleagues Letter on Merit Review

Integrative Partnerships

The National Science Foundation (NSF) established the Science and Technology Centers (STC) Program in 1987, as part of the President's State of the Union Address, to fund important basic research and education activities and to encourage technology transfer and innovative approaches to interdisciplinary activities. The STCs explore new areas and build bridges among disciplines, institutions, and other sectors. They offer the research community an effective mechanism to: embark upon long-term scientific and technological research activities; explore better and more effective ways to educate students; and develop mechanisms to ensure the timely transition of research and education advances made into service in society.

Specifically, center support enables academic research teams to:

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Programs

OIA Home

FastLane

Custom News

On-Line Documents

Frequently Asked Questions

NSF
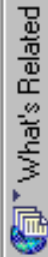
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Collaboratives to Integrate Research and Education

Major Research Instrumentation

▲ Additional Help on your MRI FastLane Submission (Last updated 1/11/2000)

Science and Technology Centers (STC): Integrative Partnerships Program (Last updated 7/5/2000)

▲ Additional Help on your STC Preproposal FastLane Submission

THE PRESENTATION ENDS HERE.

The 2 slides followed are information item.

OIA: Science and Technology Centers

Current Info & Documents   Historical Documents   Links to Awardees   FAQs

Current Information and Documents

[Notice of Intent Acknowledgement and Guidance](#)

Materials for the FY 2000 [Science and Technology Centers (STC): Integrative Partnerships Program Solicitation (NSF 00-67)](#) must be submitted electronically by the following deadlines:

▲ Notice of Intent Deadline: 5:00 PM, local time, June 15, 2000 (e-mail)
▲ Preproposal Deadline: 5:00 PM, local time, August 11, 2000 (FastLane)
▲ Full Proposal Deadline: 5:00 PM, local time, April 2, 2001 (FastLane)

▲ [Frequently Asked Questions (FAQs): Science and Technology Centers: Integrative Partnerships Program](#) *(in reference to FY 2000)* -- Last updated 7/5/2000

▲ [Additional Help on your STC Preproposal FastLane Submission](#)

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OIA: Science and Technology Centers

Current Info & Documents

Historical Documents

Links to Awardees

FAQs

Links to Awardees and Abstracts

The listing below provides the underlined names of the STCs to take you to the Centers' web pages. The dates of first NSF funding of the STCs follow the underlined names of the STCs. The NSF abstracts for the STC awards are provided in the "abstract" bubbles.

Biological Sciences

- Behavioral Neuroscience (FY 2000) abstract
- Biological Timing (FY 1991) abstract
- Engineering Plants for Resistance Against Pathogens (FY 1991) abstract
abstract