

# PROGRAM



## THE COALITION FOR NATIONAL SCIENCE FUNDING

**9<sup>th</sup> Annual Exhibition & Reception**  
**June 17, 2003**

CNSF  
Samuel M. Rankin, III, Chair  
American Mathematical Society  
1527 Eighteenth St NW  
Washington, DC 20036  
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## **Co-Sponsors**

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*The Coalition for National Science Funding (CNSF) is an alliance of organizations united by a concern for the future vitality of the national science, mathematics, and engineering enterprise. CNSF supports the goal of increasing the national investment in the National Science Foundation's research and education programs in response to the unprecedented scientific, technological, and economic opportunities facing the United States.*

# Exhibitors

## **American Astronomical Society**

*Sloan Digital Sky Survey*

Rich Kron, Bill Boroski, John Peoples, Jim Gunn,  
Sloan Digital Sky Survey

## **American Geological Institute & American Geophysical Union**

*Organizing to Advance Hydrologic Science*

Richard P. Hooper,  
Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI)

## **American Institute of Biological Sciences & American Society of Limnology and Oceanography**

*NSF's Environmental Observation Networks*

Jerry Franklin, University of Washington  
Larry Atkinson, Ocean.US

## **American Institute of Physics, American Association of Physics Teachers, and American Physical Society**

*Physics Education Programs*

Ashley Smith, Stacey Elizabeth Sude, Melissa Hanafee  
Society of Physics Students

## **American Mathematical Society**

*Mathematics of Sea Ice*

Kenneth M. Golden, Amy Heaton,  
University of Utah

## **American Psychological Association**

*HomeNetToo: How Internet Use Benefits Low-Income Families*

Linda Jackson

## **American Society for Engineering Education**

*Microfabricated Surfaces for Bio-Separation*

Tejal Desai,  
Boston University

*A Better World—From Safer Buildings to Cleaner Water*

Martin P. Harmer, Andrea J. Harmer, William D. Michalerya,  
Edward P. Gorzkowski, Weixian Zhang,  
Lehigh University

**American Society for Microbiology**

*NSF Research Exploring the Microbial World*

Gary King, Darling Marine Center, University of Maine

**American Society of Plant Biologists**

*Genomic Analysis of Freezing and Drought Tolerance in Plants*

Michael F. Thomashow, Michigan State University-Department of Energy Plant Research Laboratory

**American Sociological Association**

*The Worldviews of Islamic Publics: Democracy, Women, Religion, and the West*

Mansoor Moaddel, Eastern Michigan University

*The New Immigrant Survey*

Douglas S. Massey, University of Pennsylvania

Guillermina Jasso, New York University

**Coalition for Academic Scientific Computation**

*An Overview of Supercomputing Research Activities*

Susan Fratkin, CASC Washington Liaison

Richard Moore, San Diego Supercomputer Center

**Computing Research Association**

*Pervasive Knowledge*

Tim Finin, Anupam Joshi, Yelena Yesha, Hillol Kargupta,

University of Maryland, Baltimore County

**Consortium for Oceanographic Research and Education**

*Ocean Observatories Initiative*

*Rutgers University Long-term Eco-system Observatory*

Jennie Kopelson

**Ecological Society of America**

*Science to Restore our Nation's Rivers*

Margaret Palmer, Emily Bernhardt,

University of Maryland, College Park

**The Federation of Behavioral, Psychological, and Cognitive Sciences**

*Specialization in Spatial Cognition*

Barbara Landau, Johns Hopkins University

Jim Hoffman, University of Delaware

**Joint Oceanographic Institutions (JOI)**

*Gas Hydrates: An Earth System Science Perspective*

Frank Rack, Assistant Director for Ocean Drilling Programs

**Massachusetts Institute of Technology**

*NSF and Undergraduate Research Opportunities at MIT*

Geoffrey von Maltzahn

**Mathematical Association of America**

*Mathematics for Business Decisions*

Richard Thompson, University of Arizona

**The Ohio State University**

*Mathematical Biosciences Institute*

Peter March

**Princeton University**

*Computational methods for large-scale prediction of protein-protein interactions*

Mona Singh

**Rutgers University**

*The Corn Genome Sequencing Project*

Joachim Messing

**University Corporation for Atmospheric Research (UCAR)**

*Lightning, Tornadoes and Killer Winds: Studying the Nation's Most Dangerous Weather*

Laura Curtis

**University of California**

**University of California Berkeley**

*More Effective Fire Fighting -- Design and Manufacturing of Self-Powered Intelligent Networks*

**University of California Los Angeles**

*Embedded Network Sensing*

**University of California Davis**

**University of Michigan**

*Haptic Display of Virtual Environments*

Brent Gillespie, Volkan Patoglu

**The University of North Carolina - General Administration**

*North Carolina Partnership for Improving Mathematics and Science (NC-PIMS)*

Verna L. Holoman, Thomas B. Clark

**University of Pittsburgh**

*SCALE: System-wide Change for All Learners and Educators*

Christian Schunn

**University of Wisconsin – Madison**

*NSF Comprehensive Math and Science Partnership:*

*SCALE: System-wide Change for All Learners and Educators*

Terry Millar