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## **Explore frontiers of science at June 7 congressional exhibition**

WASHINGTON, DC – Fascinating explorations through a broad spectrum of science will be explained at the Coalition for National Science Funding (CNSF) 12th Annual Exhibition & Reception. The exhibition and reception will be held 5:30 p.m. to 7:30 p.m. Wednesday, June 7, 2006 in Rooms B338-340 of the Rayburn House Office Building, Washington, DC.

The exhibition will highlight in nearly 35 exhibits leading research and education projects supported by the National Science Foundation. Members of Congress, their staff, officials of the National Science Foundation, The White House and the media are invited to attend the exhibition and reception. Last year's event drew more than 375 attendees. Registrations to attend can be made by contacting Anita Benjamin at 202-588-1100 or at [alb@ams.org](mailto:alb@ams.org). Registration is complimentary. Presentations at the exhibition will address a wide range of exciting research investigations, including:

- ensuring a supply of water in a changing world;
- understanding the earth-surface dynamics of earth, water and life;
- ecological observation through a national network;
- ocean observatories & expeditions;
- prospecting in a microbial world;
- disease prediction and treatment design;
- understanding genomics of maize and roots;
- gas-phase synthesis of nanostructured materials;
- insights from cross-cultural psychology;
- intelligent automation for manufacturing;
- ecology of infectious disease in wild birds;
- impact of Katrina on the Mississippi gulf coast;
- distributed computer vision;
- testbed for next generation wireless;
- evolution and genetics of social interactions;
- design and control of bipedal robots;
- predictions of sunspot activity;
- when do children use race to make judgments about peer relationships;
- cellular nanomachines;
- mathematics throughout the curriculum

The Coalition for National Science Funding (CNSF) is an alliance of more than 100 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. For more information on CNSF, visit [www.cnsfweb.org](http://www.cnsfweb.org)

Following are the exhibits listed alphabetically by sponsoring organizations, followed by exhibit titles, presenter and presenter's affiliation:

American Astronomical Society; The Atacama Large Millimeter Array (ALMA); Anthony Remijan; NRAO

American Educational Research Association and American Psychological Association; Technology-Enhanced Learning in Science: Helping Students Understand Science by Visualizing How It Works; Marcia C. Linn, Ph.D.; University of California, Berkeley

American Geological Institute/Geological Society of America American Geophysical Union; SAHRA--Sustainability of semi-Arid Hydrology and Riparian Areas: Ensuring Water in a Changing World; James Hogan and Gary Woodard; SAHRA

American Geological Institute/Geological Society of America/American Geophysical Union National Center for Earth-surface Dynamics: Earth, Water, Life; Karen Campbell; NCED

American Institute of Biological Sciences; National Ecological Observatory Network; Bruce Hayden, Ph.D.; University of Virginia

American Institute for Medical and Biological Engineering; Cellular Nanomachine; Dr. Sean Sun Johns Hopkins University

American Mathematical Society; Disease Prediction and Treatment Design; Eva K. Lee, Ph.D.; Georgia Institute of Technology, School of Industrial & Systems Engineering

American Society for Engineering Education ; Graduate Research & Education in Advanced Transportation (GREATT); Becky Golombeck and Denise Brown; Pennsylvania State University, College of Engineering

American Society for Microbiology; ASM & NSF: Prospecting in the Microbial World Gary M. King, Ph.D.; University of Maine, Darling Marine Center

American Society of Agronomy/Crop Science Society of America/ Soil Science Society of America; Functional Genomics of Root Growth and Root Signaling Under Drought Prof. Henry T. Nguyen; University of Missouri

American Society of Mechanical Engineers; Gas-Phase Synthesis of Nanostructured Materials; Dr. Stephen Tse; Rutgers University

American Society of Plant Biologists; The Maize Genome Project; Prof. Patrick Schnable; Iowa State University

American Sociological Association; The Beginning School Study: Life Course Patterns of Urban Youth Through the 3rd Decade; Karl Alexander, Ph.D.; Johns Hopkins University

Coalition for Academic Scientific Computation; HPC@Work; David Hart; Indiana University

Computing Research Association; Women in Information Technology; Lucy Sanders; National Center for Women in Information Technology

Federation of Behavioral, Psychological & Cognitive Sciences; Historical, Political, and Ecological Factors Affecting National Culture: Insights from Cross-Cultural Psychology; Michele J. Gelfand, Ph.D.; University of Maryland

Joint Oceanographic Institutions; Ocean Observatories & Expeditions; Dr. Kendra Daly;

Mathematical Association of America; Mathematics Throughout the Curriculum; Daniel Maki, Ben Beranek, Edie Cespedes and Emily Crouch; Indiana University

Michigan State University; Intelligent Automation for Manufacturing; Ning Xi

Museum of Science, Boston; Nanoscale Informal Science Education Network; Andrea Durham and Patti Curtis; National Center for Technological Literacy @ the Museum of Science, Boston

Natural Science Collections Alliance; Insects of the Dominican Republic; Brian D. Farrell, Ph.D.; Museum of Comparative Zoology, Harvard University

Northwestern University; The Cultural Context of Learning: Native American Science Education; Douglas L. Medin;

The Ohio State University; Nanotechnology for Medicine and Clean Energy; L. James Lee

Ornithological Council; Urban Bird Studies: Citizen Science for City Kids and Ecology of Infectious Disease in Wild Birds; Janis Dickinson, Ph.D. and André Dhondt, Ph.D.; Cornell Lab of Ornithology

Population Association of America/Association of Population Centers; The Impact of Katrina on the Mississippi Gulf Coast; David A. Swanson; University of Mississippi

Princeton University; Biogeochemistry of Trace Metals and Phytoplankton Ecology; The Morel Research Group; Center for Environmental Biogeochemistry

Purdue University; Accelerating Nanotechnology to Nanoscience through a Cyber Community on nanoHUB.org; Prof. Mark Lundstrom, Prof. Gerhard Klimeck and Matthew Potrawski

Rensselaer Polytechnic Institute; Distributed Computer Vision; Dr. Richard Radke

Rutgers, The State University of New Jersey; ORBIT: Testbed for Next Generation Wireless; Marco Gruteser

Society for Research in Child Development; When Do Children Use Race to Make Judgments About Peer Relationships? Dr. Melanie Killen; University of Maryland, Department of Human Development

University Corporation for Atmospheric Research (UCAR); Prediction of Sunspot Activity Matthias Rempel; High Altitude Observatory, National Center for Atmospheric Research

University of California; Novel Uses of Light for Biomedical Applications; Dr. Michael Isaacson  
University of California, Santa Cruz, Baskin School of Engineering

University of Michigan; Design and Control of Bipedal Robots; Prof. Jessy Grizzle and Benjamin Morris

University of Tennessee; Size Matters! in the evolution and genetics of social interactions; Susan Riechert