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12th Annual Exhibition & Reception
Science @ Work

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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

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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 Nanomachines

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 Golombek 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

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 BiInorganic Chemistry

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 (NCAR)

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