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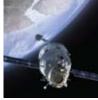
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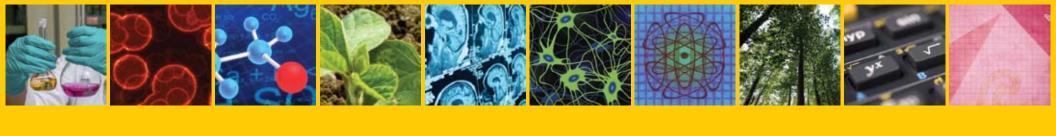
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## **American Economic Association/Population Association of America**Continuity and Change in American Economic

**Prof. CHARLES BROWN** University of Michigan

#### **American Educational Research Association**

Integrating Quality Talk Professional Development to Enhance Professional Vision and Leadership for STEM Teachers in High-Need Schools P. KAREN MURPHY The Pennsylvania State University

### **American Geosciences Institute/American Geophysical Union/** Geological Society of America 25,000 Feet under the Sea: Studying Japan's

2011 Tohoku Earthquake Dr. PATRICK FULTON and Dr. JAMES SAMPLE University of California, Santa Cruz and Northern Arizona University

## **American Mathematical Society**Topological Sensor Networks

Prof. ROBERT GHRIST University of Pennsylvania

# American Psychological Association/Vanderbilt **University**Russell the Robot: Engaging Children

with Autism through Psychological and Engineering Research ZACHARY WARREN, PhD and NILANJAN SARKAR, PhD Vanderbilt University

#### **American Society** of Plant Biologists

From Fire to Food: How Smoke Signals May Unlock New Innovations in Agriculture DAVID C. NELSON, PhD University of Georgia

#### **American Statistical Association**

Statistics for Mixed Big Data in Cancer Genomics Prof. GENEVERA ALLEN Rice University

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**MARK ADAMS** 

#### **Association of Science-Technology Centers Center for Advancement of Informal Science Education**

**Showcasing EHR Grants: Intersections** MARGARET GLASS, PhD

**Brown University**How Mathematics Research Fuels Innovation Prof. JILL PIPHER and RUTH CRANE Institute for Computational and Experimental Research in Mathematics (ICERM)

#### **Coalition for Academic Scientific Computation**

**HPC Centers & STEM** Dr. CURT HILLEGAS Princeton University

#### **Computing Research Association**

**Printable Robots and Soft Robots** ANKUR MEHTA, JOSEPH DELPRETO and ROBERT KATZSCHMANN Massachusetts Institute of Technology

## **Consortium of Universities** for the Advancement

of Hydrologic Science Inc. Water Data Center—Advancing Hydrologic Research and Education **EMILY GEOSLING** 

#### **Council on Undergraduate** Research

Institutionalizing Undergraduate Research for State Systems and Consortia SHONTAY KINCAID

## **Ecological Society of America** Wildflower Response to Climate Change

Prof. DAVID INOUYE **University of Maryland** 

## **Entomological Society of**

Optimizing Crop Yields: Pollinators, Pests and Pathogens Prof. GARY FELTON and Prof. CHRISTINA GROZINGER The Pennsylvania State University

# **Genetics Society of America**Beyond the Gene: Epigenetic Control

of Seed Development MARY GEHRING, PhD Massachusetts Institute of Technology Whitehead Institute for Biomedical Research

#### **Michigan State University**

STEM Genetics: Steps Towards S Prof. MICHELLE WILLIAMS and AMY FRAHM

#### **Museum of Science, Boston**

**Building Computational Thinking** in Museum Exhibits CLARA CAHILL

#### **National Communication Association**

Improving Public Deliberation through the Citizens' Initiative Review Prof. JOHN GASTIL and Prof. KATIE KNOBLOCH The Pennsylvania State University and Colorado State University

#### NC State University **Dielectrics and Piezoelectrics**

Dr. ELIZABETH C. DICKEY

### Northwestern University

Rat Whiskers: Novel Engineering Applications and Insights for Neuroscience Prof. MITRA HARTMANN

## The Ohio State University

**Growing STEM Talent at a Large Scale** Prof. DAVID TOMASKO and JASMINE PETERS

#### **Oregon State University**

Sustainable Materials Chemistry and Physics Education Reform Prof. DOUGLAS KESZLER, Prof. JANET TATE and JENN AMADOR

#### **Princeton University**

**High-Assurance Cloud Services** Prof. MICHAEL FREEDMAN

# **Society for Industrial**

and Applied Mathematics
The Mathematics of Stem Cells,
Drug Resistance and Cancer Prof. DORON LEVY University of Maryland

#### **Society for Research** in Child Development

**Parenting for STEM Success** in African American Families Prof. BETH KURTZ-COSTES and Prof. STEPHANIE ROWLEY University of North Carolina, Chapel Hill and University of Michigan

**Tufts University**Engineering Solutions for Clean Water Dr. KURT PENNELL and Dr. DANIELE LANTAGNE

#### **University of California**

Shaping the Future of Innovation and Research ROXANE COHEN SILVER, DAVID FELDMAN, ZACH REAGH University of California, Irvine

Into the Loop Alliance: Exploring Computer IANE MARGOLIS

University of California, Los Angeles

Fire, Erosion and the Global Carbon Cycle ASMERET ASEFAW BERHE University of California, Merced

Improving Success of First-Generation, Ethnically Diverse Students in STEM Majors MICHAEL MCKIBBEN University of California, Riverside

The Role of the Loss of Anti-Oxidants in Developing Liver Tumors **BRITTANY ANDERTON** University of California, San Francisco

#### **University of Colorado,** Boulder

CCAT Telescope: Research, Technology and Training Prof. JASON GLENN

## **University of Illinois**

at Chicago Faces of STEM Education & Research at UIC Prof. MITRA DUTTA

**University of New Mexico** An HSI Doing World Class Research and Education in Micro-Engineered Materials CARLOS ROMERO

#### **West Virginia University**

The Pulsar Content of Globular Clusters Dr. DUNCAN LORIMER





















