



Thursday March 11 – Friday March 12
The Ritz-Carlton, Pentagon City
Arlington, Virginia 22202

Agenda

THURSDAY MARCH 11TH

8:00-8:50AM

Registration and continental breakfast

Networking

Program officers will be available to meet with PIs on a drop-in basis in the PI Lounge.

8:50-9:15AM

Welcome and introductions

Barbara Schneider, ARC and Michigan State University
David Ucko, NSF/DRL Division Director (Acting)
Janice Earle, NSF/DRL Cluster Coordinator

9:15-10:15AM

Plenary

Introduction:
Joan Ferrini-Mundy, NSF/EHR Assistant Director (Acting)

Keynote:

John Q. Easton
Director of Institute of Education Sciences (IES), U.S. Department of Education
"Connecting Research, Policy and Practice: New Goals and Strategies at the Institute of Education Sciences"

10:30AM-12:30PM

Concurrent sessions

ASSESSMENT IN THE CLASSROOM: A FRAMEWORK FOR DEFINING AND EVALUATING VALIDITY

Lou DiBello and Jim Pellegrino, Co-Chairs
REESE PIs Lou DiBello, Jim Pellegrino, Daniel Hickey, Maria Araceli Ruiz-Primo, Mike Timms, Edys Quellmalz, Ravit Duncan, and Jim Minstrell

COGNITION AND LEARNING IN SCIENCE EDUCATION: THE CASE OF EVOLUTION

Sarah Brem, Chair
REESE PIs Deborah Kelemen, Kathleen Metz, Ross Nehm, Norbert Ross, Sarah Brem, Margaret Evans, and Gale Sinatra

CYBERLEARNING IN THE 21ST CENTURY: TEACHING AND STUDENT ASSESSMENT
IMPLICATIONS

Jeremy Roschelle and Edys Quellmalz, Co-Chairs

12:30-2:30PM

Poster set-up

Networking

Program officers will be available to meet with PIs on a drop-in basis in the PI Lounge.

Technical assistance

ARC staff will be available for technical assistance consultations. Please contact ARC to schedule an appointment.

Lunch on your own.

2:30-4:30PM

Concurrent sessions

COGNITION AND LEARNING IN MATHEMATICS EDUCATION

Robert Floden, Chair and Discussant

REESE PIs Bruce McCandliss, Anna Shusterman, Christine Massey, Amy Ellis, and Karen King

SOCIAL AND ORGANIZATIONAL FACTORS IN STEM MOTIVATION AND ACHIEVEMENT:

REVISITING THE OPPORTUNITY TO LEARN CONCEPT

Barbara Means, Chair

REESE PIs Elaine Allensworth, Geoffrey Cohen, Jennifer Cromley, Roslyn Mickelson

INTERDISCIPLINARY RESEARCH

Nancy Nersessian, Chair

REESE PIs Alan Porter, David Shaffer, and Kim Kastens

4:30-6:30PM

Poster session & reception

FRIDAY MARCH 12TH

8:00-9:00AM

Registration and Continental breakfast

Networking

Program officers will be available to meet with PIs on a drop-in basis in the PI Lounge.

9:00-11:00AM

Concurrent sessions

INNOVATIONS IN RESEARCHING STEM TEACHING AND LEARNING: MEASURES, METHODS, AND DATA ANALYSIS

Jennifer Cromley, Chair

REESE PIs Julia Melkers, Chandra Orrill, David Williamson Shaffer, Carol Sansone, and Sapna Cheryan

VISUALIZATION AND REPRESENTATION IN STEM LEARNING

Arthur Olson, Chair

REESE PIs Melanie Cooper, Robert Goldstone, Thomas Moher, Arthur Olson, David Rapp, Mary Schultz, and Mike Stieff

COMMUNICATING FINDINGS TO STAKEHOLDERS

Pamela Hines, Chair

Kim Montgomery (NSF/OLPA), Pamela Hines (Senior Editor, *Science* magazine), and REESE PIs Kathryn Borman and Jere Confrey

11:00-11:15AM

Break

11:15AM- 12:30PM

Plenary

IMPROVING STEM EDUCATION RESEARCH

Barbara Schneider, Chair

Myron Gutmann, Assistant Director of NSF's Directorate of Social, Behavioral, & Economic Sciences (SBE)

Felice Levine, Executive Director of the American Educational Research Association (AERA)

Steve Robinson, White House Domestic Policy Council and Special Assistant, Elementary and Secondary Education, U.S. Department of Education

12:30-2:30PM

Poster session & buffet lunch

2:30-3:15PM

Plenary

EHR/DRL/REESE: CURRENT AND FUTURE DIRECTIONS

Joan Ferrini-Mundy, Assistant Director (Acting) of NSF's Directorate for Education & Human Resources (EHR)

Janice Earle, Cluster Coordinator in NSF's Division of Research on Learning in Formal and Informal Settings (EHR/DRL)

Sarah-Kay McDonald, ARC and NORC at the University of Chicago

3:15PM

Adjourn