

**Advisory Committee for Education and Human Resources (EHR)**  
**Schedule and Agenda**  
November 7-8, 2012  
4201 Wilson Blvd. Arlington, VA 22230  
NSF Conference Room 375

**Wednesday, November 7, 2012**

**10:30AM – 6:30PM**

11:00AM – 11:15AM

**WELCOMING REMARKS FROM THE CHAIR AND ASSISTANT DIRECTOR**

Lee Todd, *President Emeritus, University of Kentucky and AC Member*

Joan Ferrini-Mundy, *Assistant Director for Education and Human Resources, NSF*

11:15AM – 11:45AM

**ADVISORY COMMITTEE MEMBER AND EXECUTIVE STAFF INTRODUCTIONS**

Pamela O'Neil, *Deputy Assistant Director for Education and Human Resources, NSF*

11:45AM – 12:15PM

**SESSION I: STRATEGIC DIRECTION OF EHR**

**Overview: Key Updates and Meeting Goals**

Joan Ferrini-Mundy

12:15PM – 1:15PM

**SESSION II: MULTIDISCIPLINARY APPROACHES TO NATIONAL ISSUES:  
PARTNERSHIPS**

**Workforce Needs in Computer Science: A Partnership with CISE**

Farnam Jahanian, *Assistant Director for Computer and Information Science and Engineering, NSF*

Deborah Lockhart, *Division Director (Acting), Division of Undergraduate Education, NSF*

1:30PM – 2:00PM

WORKING LUNCH

**SESSION III: STRATEGIC DIRECTION OF EHR**

**Program Evaluation and Monitoring**

Edith Gummer, *Program Manager, Division of Research on Learning in Formal and Informal Settings*

2:00PM – 2:30PM

BREAK

The purpose of this EHR Advisory Committee Meeting is to look at national issues related to science, technology, engineering and mathematics (STEM) education and explore the implications for EHR by gathering advisory committee member reactions, thoughts, advice, perspectives and recommendations.

2:30PM – 3:30PM

**SESSION IV: EHR'S CENTRAL PLACE IN THE STEM EDUCATION DISCUSSION**  
**Common Core State Standards**

Michael Lach, *Director of STEM Policy and Strategic Initiatives,*  
*University of Chicago Urban Education Institute and Consultant for EHR, NSF*

3:30PM – 4:00PM

**SESSION V: THE STEM LEARNING AND EDUCATION CONTEXT**  
**Challenges and Opportunities**

Joan Ferrini-Mundy

4:00PM – 4:30PM

**SYNTHESIS OF THE DAY AND FOCAL ISSUES FOR TOMORROW**

Jim Hamos, *Program Director on Detail in the Office of the Assistant Director*  
*for Education and Human Resources, NSF*

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**Thursday, November 8, 2012**

**8:00AM – 3:30PM**

8:15AM – 8:30AM

**WELCOME AND CONTEXT SETTING**

Willie Pearson, *Professor, Georgia Institute of Technology and AC Member*  
Joan Ferrini-Mundy

8:30AM – 10:15AM

**SESSION VI: EHR'S CENTRAL PLACE IN THE NATIONAL DISCUSSION**

**Core Research and Development**

Moderator: Don Millard, *Program Officer, Division of Undergraduate Education, NSF*

Case Studies:

Becki Kipling, *Program Manager, Discovery Center, Museum of Science, Boston*

Broad Implementation: Creating Communities of Learners for Informal  
Cognitive Science Education (#1113648)

Informal Science Education (ISE) Program

Lisa Feigenson, *Associate Professor, Johns Hopkins University*

Broad Implementation: Creating communities of Learners for Informal  
Cognitive Science Education (#1113648)

Informal Science Education (ISE) Program

Oliver Hill, *Professor, Virginia State University*

Broadening Participation Research Grant: Improving Minority Student  
Mathematics Performance and Persistence in STEM Majors Through  
Cognitive Training (#1137535)

Historically Black Colleges and Universities Undergraduate  
Program (HBCU-UP) Program

Patricia Culligan, *Professor, Columbia University*

IGERT: Solving Urbanization Challenges by Design – A New PhD Program  
Between Architecture and Engineering (#0903597)

Integrative Graduate Education and Research Traineeship  
(IGERT) Program

Facilitated Discussions:

Katherine Denniston, *Deputy Division Director, Division of Undergraduate Education, NSF*

Valentine Kass, *Deputy Division Director (Acting), Division of Research on Learning in Formal  
and Informal Settings, NSF*

Jermelina Tupas, *Deputy Division Director, Division of Human Resource Development, NSF*

Valerie Wilson, *Deputy Division Director, Division of Graduate Education, NSF*

10:15AM – 10:45AM

**BREAK**

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10:45AM – 12:00PM

**SESSION VII: MULTIDISCIPLINARY APPROACHES TO NATIONAL ISSUES:  
COLLABORATIONS ACROSS NSF**

**Expeditions in Education (E<sup>2</sup>)**

Margaret Cavanaugh, *Acting Assistant Director for Geosciences, NSF*  
Eric Jolly, *AC Member, Science Museum of Minnesota*

12:00PM – 12:45PM

**WORKING LUNCH**

Outlining points for discussion with Director's Office  
Willie Pearson

12:45PM – 2:00PM

**SESSION VIII: COMMITTEE OF VISITORS (COV)**

Orientation

Pamela O'Neil

Graduate Research Fellowship Program

COV Chair: Bryant York, *AC Member, Portland State University*

Jim Lightbourne, *Division Director, Division of Graduate Education*

Bundled COV: Discovery Research K-12 (DRK-12) Program, Research on Gender in Science and Engineering (GSE) Program, Research in Disabilities Education (RDE) Program, Research and Evaluation on Education in Science and Engineering (REESE) Program

COV Chair: Willie Pearson

One-Year Follow Up Action On Informal Science Education (ISE)

Al DeSena, *Program Director, Division of Research on Learning in Formal and Informal Settings, NSF*

2:00PM – 3:00PM

**DIALOGUE WITH THE DIRECTOR AND DEPUTY DIRECTOR**

Subra Suresh, *Director, NSF*

Cora Marrett, *Deputy Director, NSF*

Joan Ferrini-Mundy

3:00PM

**ADJOURNMENT**

3:00PM – 6:00PM

**OPTIONAL TRIP TO NATIONAL ACADEMY OF SCIENCES FOR DISCIPLINE-BASED  
EDUCATION RESEARCH (DBER) WORKSHOP**

Address: National Academy of Sciences Building Auditorium

2101 Constitution Avenue NW

Washington, DC 20418

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