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

**Expeditions in Education (E³)**

Margaret Cavanaugh, *Acting Assistant Director for Geosciences, NSF*

Eric Jolly, *AC Member, Science Museum of Minnesota*

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### 12:00PM – 12:45PM WORKING LUNCH

Outlining points for discussion with Director’s Office

Willie Pearson

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### 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*

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### 2:00PM – 3:00PM DIALOGUE WITH THE DIRECTOR AND DEPUTY DIRECTOR

Subra Suresh, *Director, NSF*

Cora Marrett, *Deputy Director, NSF*

Joan Ferrini-Mundy

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### 3:00PM ADJOURNMENT

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### 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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