

**Meeting of the Directorate for Education & Human Resources (EHR)  
Advisory Committee  
Thursday, October 18 and Friday, October 19, 2018  
National Science Foundation  
2415 Eisenhower Ave., Alexandria, VA 22314  
Room W2210/W2220**

**AGENDA**

**DAY 1: Thursday, October 18**

**8:30AM – 5:00PM**

**8:30AM – 9:00AM**

**WELCOMING REMARKS FROM THE EHR AC CHAIR &  
THE EHR ASSISTANT DIRECTOR**

Francisco Rodriguez, Chair, EHR Advisory Committee, & Chancellor, L.A. Community College District

Karen Marrongelle, EHR Assistant Director

**9:00AM – 10:00AM**

**SESSION 1 (PANEL): NSF-WIDE AND EHR PUBLIC-PRIVATE  
PARTNERSHIPS (PPP)**

**Moderator:** Evan Heit, Director of the EHR Division of Research on Learning in Formal and Informal Settings (DRL)

**NSF-level PPP Activities**

Ken Calvert, Co-chair, NSF Co-Lead for the Agency Priority Goal Implementation Team, Co-Lead for Renewing NSF Goal Team, & Director, Division of Computer and Network Systems, Directorate for Computer & Information Science & Engineering (CISE)

**EHR PPP Activities**

Sarah-Kay McDonald, Senior Advisor, EHR Office of the Assistant Director

**NSF INCLUDES & PPP**

Sylvia James, Acting Deputy Assistant Director, EHR Office of the Assistant Director  
Monya Ruffin-Nash, Program Director, EHR Division of Research on Learning in Formal and Informal Settings (DRL)

**10:00AM – 10:30AM**

**SESSION 1 (DISCUSSION): NSF-WIDE AND EHR PPP**

**Moderator:** Evan Heit, Director, EHR Division of Research on Learning in Formal and Informal Settings (DRL)

**10:30AM – 10:45AM**

**BREAK**

**10:45AM – 11:30AM**

**SESSION 2 (PANEL): STEM WORKFORCE DEVELOPMENT**

**Moderator:** Lee Zia, Deputy Director, EHR Division of Undergraduate Education (DUE)

**National Science Board (NSB) Task Force on the Skilled Technical Workforce**  
Matt Wilson, NSB Policy Director (Acting)/Science & Engineering Policy Analyst

**Reskilling America's Workforce: Exploring the Nation's future STEM Workforce Needs: A Spotlight on Engineering and Advanced Manufacturing**

Robin Wright, Director, EHR Division of Undergraduate Education (DUE)

- 11:30AM – 11:50PM**      **WORKING LUNCH:** Bring lunch back to room W2210/W2220 for discussion. Lunch can be purchased at the Whaler’s Café on the 2<sup>nd</sup> floor.
- 11:50PM – 12:20PM**      **SESSION 2 (DISCUSSION): STEM WORKFORCE DEVELOPMENT**  
**Moderator:** Lee Zia, Deputy Director, EHR Division of Undergraduate Education (DUE)
- 12:20PM – 1:20PM**      **SESSION 3 (PANEL): NSF BIG IDEA: WHAT IS MID-SCALE RESEARCH INFRASTRUCTURE AND HOW MIGHT IT BENEFIT EHR COMMUNITIES?**  
**Moderator:** Karen King, Program Director, EHR Division of Research on Learning in Formal and Informal Settings (DRL), and Co-Executive Secretary for the Committee on Strategy for the National Science Board  
**Mid-scale Research Infrastructure**  
Jim Ulvestad, NSF Chief Officer for Research Facilities  
**Mid-scale research: Programmatic Experience**  
Allena Opper, Program Director, Directorate of Mathematical & Physical Sciences (MPS)  
**Examples**  
Earnestine Easter, Program Director, EHR Division of Graduate Education (DGE)  
Karen King, Karen King, Program Director, EHR Division of Research on Learning in Formal and Informal Settings (DRL)
- 1:20PM – 1:45PM**      **SESSION 3 (DISCUSSION): NSF BIG IDEA: WHAT IS MID-SCALE RESEARCH INFRASTRUCTURE AND HOW MIGHT IT BENEFIT EHR COMMUNITIES?**  
**Moderator:** Karen King, Program Director, EHR Division of Research on Learning in Formal and Informal Settings (DRL), and Co-Executive Secretary for the Committee on Strategy for the National Science Board
- 1:45PM – 2:00PM**      **BREAK**
- 2:00PM – 3:00PM**      **SESSION 4 (PANEL): RECENT AWARDS & ACTIVITIES RELATED TO BROADENING PARTICIPATION & INSTITUTIONAL CAPACITY**  
Moderator: Jermelina Tupas, Acting Director, EHR Division of Human Resource Development (HRD)  
**Hispanic Serving Institution (HSI) Program Update**  
Talitha Washington, Program Director, EHR Division of Undergraduate Education (DUE)  
**NSF INCLUDES Update**  
Paige Smith, Program Director, Directorate of Engineering (ENG)  
**Historically Black Colleges & University Undergraduate Program (HBCU-UP) Excellence in Research**  
Brandon Jones, Program Director, Directorate of Geosciences (GEO)  
**Tribal Colleges and Universities Program (TCUP) Update**  
Jody Chase, Acting Deputy Director, EHR Division of Human Resource Development (HRD)

- 3:00PM – 3:30PM**      **SESSION 4 (DISCUSSION): RECENT AWARDS & ACTIVITIES IN BROADENING PARTICIPATION & INSTITUTIONAL CAPACITY**  
Moderator: Jermelina Tupas, Acting Director, EHR Division of Human Resource Development (HRD)
- 3:30PM – 3:45PM**      **BREAK**
- 3:45PM – 4:00PM**      **PREPARE TO MEET NSF DIRECTOR AND CHIEF OPERATING OFFICER**  
Moderator: Francisco Rodriguez, Chair, EHR Advisory Committee
- 4:00PM – 5:00PM**      **TALK WITH NSF DIRECTOR FRANCE CÓRDOVA & CHIEF OPERATING OFFICER F. FLEMING CRIM**  
Moderator: Francisco Rodriguez, Chair, EHR Advisory Committee
- 5:00PM**                      **MEETING ADJOURNED FOR THE DAY**

**DAY 2: Friday, October 19**

**8:30AM – 2:15PM**

- 8:45AM – 9:00AM**      **WELCOME TO DAY 2**  
Francisco Rodriguez, Chair, EHR Advisory Committee
- 9:00AM – 9:20AM**      **SESSION 5: UPDATES**  
**STEM Education Advisory Panel**  
Nafesa Owens, Program Director, Division of Human Resource Development (HRD)  
**Federal STEM Education 5-year Strategic Plan (2018-2023)**  
Sylvia James, Acting Deputy Assistant Director, EHR Office of the Assistant Director  
**Questions and Comments**
- 9:20AM – 10:00AM**      **SESSION 6: NSF RESPONSE PROCESSES TO THE NATIONAL ACADEMIES OF SCIENCE, ENGINEERING, AND MEDICINE REPORT, “GRADUATE STEM EDUCATION FOR THE 21<sup>ST</sup> CENTURY”**  
Moderator: Charisse Carney-Nunes, Acting Deputy Director, EHR Division of Graduate Education (DGE)  
**Update from an NSF-wide Program Officer Committee**  
Earnestine Easter, Program Director, EHR Division of Graduate Education (DGE)  
**Update from the EHR Advisory Committee Subcommittee on Graduate Education**  
Marilyn Strutchens, Emily R. & Gerald S. Leischuck Endowed Professor  
Mildred Cheshire Fraley Distinguished Professor, Auburn University  
**NSF Processes**  
Nimmi Kannankutty, Acting Director, EHR Division of Graduate Education (DGE)  
**Questions and comments**
- 10:00AM – 10:15AM**      **BREAK**

- 10:15AM – 11:30AM**      **SESSION 7: EHR PROGRAM HIGHLIGHTS**  
**Moderator:** Elizabeth VanderPutten, Deputy Director, Division of Research on Learning in Formal and Informal Settings (DRL)  
**EHR-wide: EHR Core Research**  
Sarah-Kay McDonald, Senior Adviser, EHR Office of the Assistant Director  
**EHR Division of Graduate Education: CyberCorps: Scholarship for Service (SFS), Community College and Cyber Pilot (C3P) Program**  
Victor Piotrowski, Program Director, Division of Graduate Education (DGE)  
**EHR Division of Undergraduate Education: Robert Noyce Teacher Scholarship Program**  
Sandra Richardson, Program Director, Division of Undergraduate Education (DUE)  
**EHR Division of Human Resource Development: Louis Stokes Alliances for Minority Participation (LSAMP) Program**  
LeRoy Jones, Program Director, EHR Division of Human Resource Development (HRD)  
**EHR Division of Research on Learning in Formal and Informal Settings: Innovative Technology Experiences for Students and Teachers (ITEST) Program**  
David Haury, Program Director, EHR Division of Research on Learning in Formal and Informal Settings (DRL)  
**Questions and Comments**
- 11:30AM – 12:00PM**      **WORKING LUNCH:** Bring lunch back to room W2210/W2220 for discussion. Lunch can be purchased at the Whaler’s Café on the 2<sup>nd</sup> floor.
- 12:00PM – 12:20PM**      **SESSION 8: EHR AC SUBCOMMITTEE UPDATE: FUTURE OF STEM EDUCATION**  
Margaret Honey, President & Chief Executive Officer, New York Hall of Science, and Chair, EHR AC Subcommittee on the Future of STEM Education
- 12:20PM – 12:40PM**      **REFLECTIONS FROM THE EHR AD**  
Karen Marrongelle, Assistant Director, EHR Office of the Assistant Director
- 12:40PM – 1:30PM**      **AC DISCUSSION**  
Facilitator: Julie Johnson, Program Director, EHR Division of Research on Learning in Formal and Informal Settings (DRL)
- 1:30PM – 1:45PM**      **CLOSING REMARKS**  
Francisco Rodriguez, Chair, EHR Advisory Committee
- 1:45PM**      **MEETING ADJOURNED**