

**NATIONAL RESEARCH COUNCIL  
NATIONAL ACADEMY OF ENGINEERING  
BOARD ON SCIENCE EDUCATION  
BOARD ON HIGHER EDUCATION AND WORKFORCE**

**Barriers and Opportunities in Completing 2- and 4-Year STEM Degrees**

Committee Meeting 1 Public Agenda

September 11-12, 2013

American Association for the Advancement of Science (AAAS) Building  
1200 New York Avenue, NW (entrance on H and 12<sup>th</sup> Streets)  
Washington, DC 20005

**Wednesday, September 11, Revelle Room**

**CLOSED SESSION 8:15 a.m. – 10:00 a.m.**

**OPEN SESSION**

**WELCOME AND OVERVIEW OF THE MEETING**

**10:15 a.m. Shirley Malcom**, Study Chair

**CONTEXT OF THE STUDY**

**10:20 a.m. Discussion of the Charge with the Sponsor**

*Susan Singer and John Rand*, National Science Foundation  
*Lisa Lomenzo*, S.D. Bechtel, Jr. Foundation (WebEx)

**CURRENT CONTEXT**

**10:50 a.m. Moderator: Shirley Malcom**, AAAS

*Carl Wieman* (WebEx)  
*Linda Slakey*, Independent Education Management Consultant (WebEx)

**DATA ON STUDENTS PATHWAYS TO A STEM DEGREE**

**11:30 a.m. Moderator: Kenneth Koedinger**, Carnegie Mellon University

*Sylvia Hurtado*, University of California, Los Angeles  
*Lynne Molter*, Swarthmore College

*Anne-Barrie Hunter*, University of Colorado, Boulder  
*Lindsey Malcom-Piqueux*, George Washington University

**12:30 p.m.      Continued Discussion of Pathways Data** (*lunch provided*)

**IMPLEMENTING CHANGE**

**1:30 p.m.**      Moderator: *Mark Rosenberg*, Florida International University

*Adrianna Kezar*, University of Southern California (WebEx)  
*Charles Henderson*, Western Michigan University

**2:20 p.m.      Break**

**CLOSED SESSION 2:45 p.m. – 7:30 p.m.**

**NATIONAL RESEARCH COUNCIL  
NATIONAL ACADEMY OF ENGINEERING  
BOARD ON SCIENCE EDUCATION  
BOARD ON HIGHER EDUCATION AND WORKFORCE**

**Thursday, September 12, Executive Board Room**

**CLOSED SESSION 9:00 a.m. – 11:00 a.m.**

**OPEN SESSION**

**CONTEXT OF THE STUDY**

**11:10 a.m. Discussion of the Charge with the Sponsor**  
*Elizabeth Boylan*, Alfred P. Sloan Foundation

**SPECIFIC AND CROSS CUTTING ISSUES**

**11:30 a.m. Moderator: *Cynthia Atman*, University of Washington  
or *Leah Jamieson*, Purdue University**

***TBD: Committee Member, or NRC Staff***  
*Cynthia Atman*, University of Washington **or *Leah Jamieson***, Purdue University  
*Peter Bruns*, Howard Hughes Medical Institute

**12:45 p.m. Working Lunch**

**1:30 p.m. Moderator: *George Boggs*, Palomar College**

*Michelle Van Noy*, Rutgers University  
*Muriel Poston*, Pitzer College  
*Tabbye Chavous*, University of Michigan  
Discussant: ***Pamela Brown***, New York City College of Technology

**2:45 p.m. Break**

**CLOSED SESSION 3:00 p.m. – 5:00 p.m.**