



Inaugural Meeting of the  
**TPSE Mathematics Advisory Group (MAG)**  
One Washington Circle Hotel, Washington DC  
March 25-26, 2016

## Agenda

### **Friday, March 25**

- 8:30-9:00     **Welcome**  
Ralph Cicerone, NAS  
Danny Goroff, Alfred P. Sloan Foundation
- 9:00-9:15     **TPSE Math Overview**  
Phillip Griffiths, Institute for Advanced Study & TPSE Math
- 9:15-10:30    **Panel 1: Expanded Workforce Demand for Quantitative/Math Skills**  
**Moderator:**    Danny Goroff, Alfred P. Sloan Foundation  
**Panelists:**     Sandra E. Black, Member of the Council of Economic Advisers  
                         Anthony Carnevale, Georgetown University  
                         Hal Salzman, Rutgers
- 10:30-11:00    Break
- 11:00-12:15   **Panel 2: Growing Demand for Quantitative Skills in Other Disciplines**  
**Introduction:** Mark Green, UCLA & TPSE Math  
**Moderator:**    Shirley Malcom, AAAS  
**Panelists:**     Michael Faulkender, University of Maryland  
                         Elliot Fishman, Johns Hopkins Hospital  
                         Louis Gross, University of Tennessee – Knoxville  
                         Don Saari\*, University of California – Irvine
- 12:15-1:30     Lunch
- 1:30-2:45     **Panel 3: Lessons from Postsecondary Reform in Other STEM Disciplines**  
**Moderator:**    Susan Singer, National Science Foundation  
**Panelists:**     Robert Hilborn, American Association of Physics Teachers  
                         John Jungck, University of Delaware  
                         Kim Kastens, Columbia University  
                         Karl Smith, University of Minnesota

\*MAG member

- 2:45-3:15 Break
- 3:15-4:30 **Panel 4: Role and Perspectives of Administrators**  
**Moderator:** Brit Kirwan, University of Maryland & TPSE Math  
**Panelists:** Linda Braddy\*, Tarrant County College  
 Freeman Hrabowski, UMBC  
 Peter March, Rutgers University  
 Rick Miranda\*, Colorado State University
- 4:30-5:30 **Open Forum**
- 5:30-6:30 Wine & Cheese Reception: Remarks by Rush Holt, AAAS
- 7:00 Dinner, Grillfish Restaurant, 1200 New Hampshire Avenue NW

**Saturday, March 26**

- 8:30-9:45 **Panel 5: New Pathways**  
**Moderator:** Uri Treisman, Dana Center, UT Austin & TPSE Math  
**Panelists:** Dean Allison, University of Northern Colorado  
 Tristan Denley, Tennessee Board of Regents  
 Karen Saxe, Macalester College & TPSE Math  
 Michelle Younker\*, Owens Community College
- 9:45-10:00 Break
- 10:00-10:45 **MAG Breakout Groups, Part 1**  
*Groups (with discussion leaders and facilitators/scribes):*
  1. National Demand for Better Quantitative Skills (Treisman, Gobstein)
  2. Building Partnerships with Other Disciplines (Green, Leahy)
  3. Sharing Success in Leading Educational Transformation (Friedlander, Kirwan)
  4. Evolving Culture of Teaching and Learning (Saxe, Getz)
  5. Broadening Graduate Training (Holm, Griffiths)
- 11:00-11:45 **MAG Breakout Groups, Part 2**  
 All participants except discussion leaders and facilitators/scribes change groups.
- 11:45 *Box lunches available*
- 12:00-1:00 **Plenary Session**  
**Reports from Breakout Groups**  
**Next Steps: Engaging the Community in Transformation**

\*MAG member