

# Tentative Agenda

## One Year After Science's Grand Challenges in Education: Professional Leadership of STEM Teachers through Education Policy and Decision Making

June 5-6, 2014  
Lecture Room  
National Academy of Sciences Building  
2101 Constitution Avenue, NW  
Washington, DC

Thursday, June 5:

TIME:	TOPIC:
7:30 am	<b>Registration and Networking</b> Registration table and full breakfast available outside of Lecture Room
8:00 am	<b>Welcome, Introductions, Overview and Learning Goals for the Convocation Summary of Participant Responses to Registration Questions</b> <ul style="list-style-type: none"> <li>- Mike Town, representing the planning committee</li> <li>- Steve Long, representing the Teacher Advisory Council</li> <li>- Karen King, representing the National Science Foundation</li> <li>- Jay Labov, convocation overview and logistics</li> </ul>
8:15 am	<b>Keynote Presentation and Discussion</b> <b><i>Empowering Our Best Teachers: A Grand Challenge in Education</i></b> Bruce Alberts, Former President of the National Academy of Sciences and Former Editor-in-Chief of <i>Science</i>
8:45 am	<b>Session of Panelists and Discussion:</b> <b><i>What are the opportunities and challenges of giving a voice to teachers around education policy- and other forms of decision making at the national, state, and local levels?</i></b> <ul style="list-style-type: none"> <li>- A panel will provide perspectives about how teachers are involved with these issues, the benefits that teacher voices have brought to the table, and any challenges faced. Convocation participants will be able to ask general questions and additional discussion is scheduled for 12:00 today following additional perspective from two plenary speakers.</li> </ul> PANELISTS: Diane Briars, President, National Council of Teachers of Mathematics Francis Eberle, National Association of State Boards of Education

	<p>Cindy Hasselbring, Maryland State Department of Education</p> <p>Steven Robinson, Democracy Prep Charter High School (formerly with the Dept. of Education and Executive Office of the President)</p> <p>Terri Taylor, American Chemical Society</p>
<b>9:30 am</b>	<p><b>Plenary Session and Discussion of “Grand Challenges in Education”</b></p> <p><b>Paper:</b></p> <p><b><i>Teacherpreneurs: Leaders For Tomorrow's Schools</i></b></p> <p>Barnett Berry, Center for Teaching Quality</p>
<b>10:30 am</b>	<b>Break and Networking</b>
<b>11:00 am</b>	<p><b>Plenary Session and Discussion of “Grand Challenges in Education”</b></p> <p><b>Paper:</b></p> <p><b><i>Effective STEM Teacher Preparation, Induction, And Professional Development</i></b></p> <p>Suzanne Wilson, University of Connecticut, Storrs</p>
<b>12:00 pm</b>	<p><b>Reactions to Plenary Sessions and Moderated Discussion</b></p> <p>Janet English, Teacher, El Toro High School (CA) and Member of the Organizing Committee</p> <p>- School Administrator (invited)</p> <p>Arthur Eisenkraft, University of Massachusetts, Boston</p> <p>Moderator: Margo Murphy, Camden Hills High School (TAC)</p>
<b>12:30 pm</b>	<p><b>Lunch and Networking.</b></p> <p>Lunch available outside the Lecture Room</p> <p>Sign up for afternoon breakout sessions.</p>
<b>1:30 pm</b>	<p><b>Overview of Additional Current Models of Engaging Teachers’ Voices in Education Issues</b></p> <p>Einstein Distinguished Educator Fellows, Anthonette Peña, Triangle Coalition</p> <p>Knowles Science Teaching Foundation Fellowships, Nicole Gillespie</p> <p>Math for America, Marlena Jones</p> <p>Presidential Awards for Excellence in Math and Science Teaching, Nafeesa Owens, National Science Foundation</p> <p>Teacher Advisory Council, Steven Long, TAC Chair</p> <p>Fulbright Distinguished Awards in Teaching Program, Holly Emert, Institute of International Education.</p> <p>Moderator: Jay Labov</p>
<b>2:40 pm</b>	<b>Break and Move to Breakout Session with Presenter(s) of Your Choice</b>
<b>2:45 pm</b>	<b>Breakout Sessions with the Presenters</b>

	<p><b><i>Continue discussions with one of the presenters of your choice. The goal of these facilitated discussions is to explore the implications of these papers for policy, implementation, and teacher practice.</i></b></p> <ul style="list-style-type: none"> <li>- Professional development to engage teachers in leadership activities (Suzanne Wilson): Room 120 (Heidi Schweingruber, NRC, Facilitator)</li> <li>- TeacherPreneurs (Barnett Berry): Members' Room (Toby Horn, Facilitator)</li> <li>- Current models of engaging teachers in leadership activities (Panelists): Lecture Room (Janet English, Facilitator)</li> </ul>
<b>3:55 pm</b>	<b>Move to Second Breakout Session of Your Choice</b>
<b>4:00 pm</b>	<p><b>Breakout Sessions with the Presenters</b></p> <p><b><i>Continue discussions with one of the presenters of your choice. The goal of these facilitated discussions is to explore the implications of these papers for policy, implementation, and teacher practice.</i></b></p> <ul style="list-style-type: none"> <li>- Professional development to engage teachers in leadership activities (Suzanne Wilson): Room 120 (Mike Town, Facilitator)</li> <li>- TeacherPreneurs (Barnett Berry): Members' Room (Toby Horn, Facilitator)</li> <li>- Current models of engaging teachers in leadership activities (Panelists): Lecture Room (Janet English, Facilitator)</li> </ul>
<b>5:00 pm</b>	<b>Break and Reassemble in Lecture Room</b>
<b>5:15 pm</b>	<p><b>Lessons Learned</b></p> <p><i>Facilitators who were assigned to work in each breakout room will provide an overview of the most important points, insights, or avenues for future research that emerged from each of their sessions. Followed by general group questions and discussion.</i></p>
<b>6:00 pm</b>	<p><b>Adjourn and Dinner on Your Own</b></p> <p>List of suggestions for restaurants is at the registration table outside the Lecture Room.</p>

#### June 6:

<b>TIME:</b>	<b>TOPIC:</b>
<b>7:30 am</b>	<p><b>Networking</b></p> <p>(Full Breakfast Available Outside the Lecture Room)</p>

<b>8:00 am</b>	<b>Recap of Day 1 by Members of the Organizing Committee</b> Janet English, Cindy Hasselbring, Toby Horn, Steve Robinson, Mike Town
<b>8:30 am</b>	<b>3-2-1 Exercise</b> <i><b>Each participant will submit on an index card for later discussion:</b></i> <ul style="list-style-type: none"> <li>- Three things that you've learned from the convocation thus far</li> <li>- Two things about which you still have questions</li> <li>- One thing that you will take away from this event that can be applied in your home setting.</li> </ul>
<b>9:00 am</b>	<b>Plenary Session and Discussion</b> <i><b>Generating Continuous Improvement Cycles Through Research And Development in School Systems</b></i> Suzanne Donovan, Strategic Education Research Program The goal of this longer session will be to explore the implications of the vision for future research for policy, implementation, and teacher practice.  Moderator: Juliana Jones (TAC)
<b>10:45 am</b>	<b>Break and Networking</b> Move to breakout sessions at 11:05 am.
<b>11:15 am</b>	<b>Breakout Sessions</b> <i><b>In these sessions participants who represent a sector of the education system will meet together and with representatives from their professional societies to develop an agenda for action. Each group will appoint a rapporteur and prepare not more than 2 Powerpoint slides that provide the following information:</b></i> <ul style="list-style-type: none"> <li>• One or two actions that people in your sector can implement <i>at the beginning</i> of the new academic year.</li> <li>• One or two actions that people in your sector can accomplish <i>by the end</i> of the next academic year.</li> <li>• At least one other sector that can help you achieve your goals by working collaboratively.</li> </ul> <ul style="list-style-type: none"> <li>- Teachers (Room 120)</li> <li>- Teacher educators (Room 125)</li> <li>- School administrators (Room 120)</li> <li>- Education researchers (Lecture Room)</li> <li>- Funding agencies and organizations (Members' Room)</li> <li>- Education policymakers (Lecture Room)</li> </ul> <p>Lunch will be available beginning at 11:45 AM.  Return to the Lecture Room beginning at 12:25.</p>
<b>12:30 pm</b>	<b>Each breakout session facilitator from Day 2 will provide a summary of that</b>

	<b>group's action plan, answer questions, and engage participants in discussion.</b>
<b>1:30 pm</b>	<b>Summary Comments by Members of the Organizing Committee and Representative from the National Science Foundation followed by general discussion.</b>
<b>2:00 pm</b>	<b>Convocation ends</b>