

**NATIONAL RESEARCH COUNCIL
BOARD ON SCIENCE EDUCATION**

**OUT-OF-SCHOOL STEM LEARNING: A NATIONAL SUMMIT
JUNE 3 & 4**

National Academy of Sciences (NAS)
2100 Constitution Ave
Washington DC

Day 1: NAS Auditorium
Day 2: Lecture Room

Workshop Agenda

June 3: NAS Auditorium

8:00 am **Networking** (Coffee and Light Refreshments)
Poster Set-Up for Lunch-Time Session

8:30 am **Welcome and Overview**
Speakers

Martin Storksdieck, Director, Board on Science Education
Eric Jolly, President, Science Museum of Minnesota, Committee Chair
*Joan Ferrini-Mundy, Assistant Director, Directorate for Education and
Human Resources, National Science Foundation (Invited)*
Dennis Schatz, National Science Foundation

9:15 am **What and Where is STEM Learning Occurring**
Moderator

Nancy Peter, Out of School Time Resource Center, Committee Member

Speakers

Lynn Liben, Pennsylvania State University, Committee Member
John Falk, Oregon State University, Committee Member

Respondents

Ron Otinger, Executive Director, Noyce Foundation
*Andrea Ingram, Vice President of Education and Guest Services, Chicago
Museum of Science and Industry*
Ellen Gannet, Director, National Institute on Out-of-School Time
*Ellen Lettvin, Robert Noyce Fellow in Informal STEM Learning, US
Department of Education*

10:45 am **Audience Reflection on Workshop Goals and Out-of-School STEM
Learning**

Moderator

Michael Feder, Board on Science Education, Study Director

11:05 am	<p>What is Success Moderator <i>Milbrey McLaughlin, Stanford University, Committee Member</i></p> <p>Speakers <i>Jacque Eccles, University of California, Irvine, Committee Member</i> <i>Karen Pittman, President and CEO, Forum for Youth Investment</i> <i>Anita Krishnamurthi, Vice President, STEM Policy, Afterschool Alliance</i></p>
12:35 pm	Poster Session (Lunch Served)
1:30 pm	<p>Characteristics of Successful Out-of-School STEM Learning Efforts Moderator <i>Vera Michalchik, Stanford University, Committee Member</i></p> <p>Speakers <i>Bronwyn Bevan, Exploratorium, Committee Member</i> <i>Emilyn Green, Executive Director, Community Science Workshop Network</i> <i>Nathaniel Kendall-Taylor, Senior Researcher, Frameworks Institute</i></p>
2:45 pm	<p>Expanding Access to STEM Learning Moderator <i>Cary Sneider, Committee Member</i></p> <p>Speakers <i>Sue Allen, Director of Research at Maine Mathematics and Science Alliance</i> <i>Saskia Traill, Vice President for Policy and Research, The After-School Corporation</i> <i>Maria Cabrera, Community Relations Museum of Science, Boston</i></p>
3:55 pm	Break
4:05 pm	<p>Audience Reflection on Success Moderator <i>Michael Feder, Board on Science Education, Study Director</i></p>
4:30 pm	<p>Day 1 Themes and Take-a-Ways Moderator <i>Eric Jolly, Science Museum of Minnesota, Committee Chair</i></p> <p>Discussants <i>Committee members</i></p>
5:00 pm	Speed Networking (optional; Light refreshments)
5:30 pm	Adjourn

June 4: Lecture Room

8:00 am **Poster Session and Networking** (Coffee and Light Refreshments)

8:30 am **Welcome and Overview**

Speaker

Eric Jolly, Science Museum of Minnesota Committee Chair

8:45 am **Understanding and Assessing Success**

Moderator

Bronwyn Bevan, Exploratorium, Committee Member

Speakers

David Hammer, Tufts University

Phil Bell, Washington University

Brigid Barron, Stanford University

10:15 am **Out-of-School STEM Learning Exemplars**

Break Out 1: Local and National Youth Serving Programs (Lecture Hall)

Moderator

Nancy Peter, Committee Member

Speakers

Chad Ripberger, Rutgers University, 4-H STEM

Jason Lee, DAPCEP

Jill Walahoski, Nebraska University, Committee Member

Break Out 2: Youth Driven STEM Experiences (Room 118)

Moderator

Jane Buikstra, Arizona State University, Committee Member

Speakers

Rick Bonney, Cornell University

Natalie Rusk, MIT Media Lab

Gail Breslow, Computer Clubhouse Network

Shirin Vossoughi, Exploratorium/Stanford University (Cancelled Due to Illness) Replaced by Bronwyn Bevan, Committee Member

Break Out 3: STEM Programs Managed by Museums, Science Centers, Etc. (West Court)

Moderator

Eric Jolly, Committee Chair

Speakers

Kirsten Ellenbogen, Great Lakes Science Museum

Dale McCreedy, Franklin Institute

Bernadette Chi, Lawrence Hall of Science

Break Out 4: Afterschool, Informal and School Collaborations (Room 250)

Moderator

*Maya Garcia, DC Office of the State Superintendent of Education,
Committee Member*

Speakers

*James Short, American Museum of Natural of History
Debbie Zipes, Indiana Afterschool Network
Minda Borun, Franklin Institute*

11:45 pm **Poster Session (Lunch Served)**

12:45 pm **Systems for Successful Out-of-School STEM Learning**

Moderator

Cary Sneider, Portland State University, Committee Member

Panelists

*Michael Funk, After-School Division, CA State Department of
Education
Kevin Crowley, University of Pittsburgh
Linda Kekelis, Techbridge*

2:15 pm **Policy Maker Reflections on Out-of-School STEM Learning**

Moderator

Eric Jolly, Committee Chair

Panelists

*Tom Payzant, Harvard University, and former Superintendent of
Boston Public Schools
James Geringer, Director of Policy at Environmental Systems
Research Institute, and former Governor of Wyoming
Mary Lord, President-Elect, National Association of the State
Boards of Education, and the American Society for
Engineering Education*

3:15 pm **Break**

3:30 pm **Workshop Themes and Lessons**

Moderator

Michael Feder, Board on Science Education, Study Director

4:30 pm **Final Thoughts**

Moderator

Eric Jolly, Committee Chair

Panelists

Committee Members

5:00 pm **Thank-you and Adjourn**