

Transforming Undergraduate STEM Education

Virtual Meeting of the Roundtable on Systemic Change in Undergraduate STEM Education

TUESDAY, AUGUST 11, 2026 (EDT)

12:00–12:10 **Welcome and Plans for the Day**

Kerry Brenner, *National Academies of Sciences, Engineering, and Medicine*

Beth Cady, *National Academies of Sciences, Engineering, and Medicine*

12:10–12:25 **Overview of Principles from the Transforming Undergraduate STEM Education Report**

Archie Holmes, *University of Texas, System*

12:25–12:50 **Approaches to Instruction Aligned with the Principles**

Moderator: **Chris Rasmussen**, *San Diego State University*

Speakers:

- **Josephine Pino**, *Portland Community College*
- **Gavin LaRose**, *University of Michigan*
- **Anne Egger**, *Central Washington University*

12:50–1:10 **Applying Systemic Thinking to Improving Instruction and Student Learning Experiences**

Ann Austin, *Michigan State University*

1:10–1:20 **Audience Poll**

Ann Austin, *Michigan State University*

1:20–1:50 **Thinking Systemically about Improving instruction**

Moderator: **Cassandra Horii**, *Stanford University*

Speakers:

- **Bryan Dewsbury**, *Florida International University*
- **Sean Yee**, *University of South Carolina*
- **Mark Lee**, *Spelman College*
- **Christina Yao**, *University of South Carolina*

1:50–2:05 **Break**

2:05–2:30 **Fireside Chat on Professional Learning and Educational Development**

Moderator: **Ann Austin**, *Michigan State University*

Speakers:

- **Dea Follmer Greenhoot**, *University of Kansas*
- **Tracie Addy**, *Rutgers University–New Brunswick*

- 2:30–3:00** **Higher Education Today**
Moderator: **Archie Holmes**, *The University of Texas System*
Speakers:
- **Susan Singer**, *St. Olaf College*
 - **Kamau Bobb**, *Georgia Institute of Technology*
- 3:00–3:20** **Breakout Groups—Initiating Systems Change: Considering the First Steps**
Archie Holmes, *The University of Texas System*
- 3:20–3:30** **Reporting Back from Breakout Groups**
Moderator: **Archie Holmes**, *The University of Texas System*
- 3:30–3:45** **Break**
- 3:45–4:05** **Building Momentum for Change**
Moderator: **Courtney Ngai**, *Colorado State University*
Speakers:
- **Daniel Reinholz**, *San Diego State University*
 - **Caroline Bennett**, *University of Kansas*
- 4:05–4:25** **Breakout Groups—Mobilizing the Disciplines for System Change**
Courtney Ngai, *Colorado State University*
- 4:25–4:40** **Reporting Back from Breakout Groups**
Moderator: **Courtney Ngai**, *Colorado State University*
- 4:40–5:00** **Inspiration for the Future of Undergraduate STEM Learning**
Moderator: **Archie Holmes**, *The University of Texas System*
Speakers:
- **Ann Austin**, *Michigan State University*
 - **Jeffrey M. Osborn**, *The College of New Jersey*
 - **Amy Burkert**, *Carnegie Mellon University*
 - **Anne Egger**, *Central Washington University*
 - **Cassandra Horii**, *Stanford University*
- 5:00** **MEETING ADJOURNS**