

*The National Academies of*  
**SCIENCES • ENGINEERING • MEDICINE**

**Imagining the Future of Undergraduate STEM Education  
Board on Science Education**

**Learning in the World: Opportunities for the Students of 2040**

Tuesday, April 19, 1:00-4:00 pm EDT

Moderator: Leanne Chukoskie

1pm EDT	<b>Welcome</b>
1:10-1:20	<b>Opening Session</b> <i>Why is it Important for Learning to be Grounded in Real-World Elements?</i>
1:20-1:45	<b>Undergraduate Student Perspectives</b> <b>Divya Kirani</b> , <i>University of California, San Diego '23</i> <b>Amy Phung</b> , <i>Olin College of Engineering '21</i> <b>Deanna Hunt</b> , <i>University of the Virgin Islands '24</i> <b>George Seaton</b> , <i>New York Institute of Technology '23</i>
1:45-2:15	<b>Examples of Real-World Student Learning Experiences</b> <i>Speakers:</i> <b>Max Sederer</b> , <i>Assistant Co-op Coordinator,</i> <i>Northeastern University College of Engineering</i> <b>Scott Auerbach</b> , <i>Mahoney Family Sponsored Executive Director,</i> <i>UMass iCons Program, University of Massachusetts Amherst</i>
2:15-2:30	<b>Share Examples in Break Out Groups</b> <ul style="list-style-type: none"><li>• Introduce yourself</li><li>• Share the best example you know of undergraduates engaged in real-world learning experiences</li></ul>
2:30-2:40	<b>Reporting Back from Break Out Groups</b>
2:40-2:50	BREAK

2:50-3:20	<p><b>Panel Discussion:</b> <i>improving and building out authentic experiences for undergraduates to prepare problem-solvers, leaders, and innovators to tackle the inherently multi-faceted problems facing our world.</i></p> <p><i>Speakers:</i></p> <p><b>Tamara Clegg</b>, <i>Associate Professor, Department of Teaching and Learning, Policy and Leadership, University of Maryland</i></p> <p><b>Arthur Lee</b>, <i>Principal Advisor, Environment and Climate Change, Chevron</i></p> <p><b>Christian Braneon</b>, <i>Remote Sensing Specialist, NASA Goddard Space Flight Center</i></p> <p><b>Kelly Bohrer</b>, <i>Executive Director, The ETHOS Center and Director of Community Relations, School of Engineering, University of Dayton</i></p>
3:20-3:45	<p><b>Minute Paper Break out session</b></p> <p><i>What would be needed for your campus to design and offer real-world student learning experiences that are more accessible and engaging?</i></p>
3:45-3:55	<p><b>Reporting back</b></p>
3:55-4:00	<p><b>Wrap Up Synthesis</b></p>
4:00	<p>Adjourn</p>