

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

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

**Technology for Educating the Undergraduate STEM Students of the Future**

Wednesday, March 16, 1-4pm ET

Moderator: Nicholas Horton, Amherst College

|           |                                                                                                                                                                                                                                                                                                                                        |
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| 1pm ET    | <b>Welcome</b>                                                                                                                                                                                                                                                                                                                         |
| 1:10-1:25 | <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 technology contributing to undergraduate learning experiences</li></ul>                                                                                                              |
| 1:25-1:35 | <b>Reporting Back from Break Outs</b>                                                                                                                                                                                                                                                                                                  |
| 1:35-2:10 | <b>Thinking about Educational Technology for the Future</b><br><i>Speakers:</i><br><b>Barbara Means</b> , Executive Director of Learning Sciences Research, Digital Promise<br><b>Leanne Chukoskie</b> , Bouvé College of Health Sciences, Department of Physical Therapy, Movement & Rehabilitation Sciences, Northeastern University |
| 2:10-2:35 | <b>Undergraduate Student Perspectives</b><br><b>Monica Van</b> , University of California, San Diego, '21<br><b>Andrew “Niyi” Owolabi</b> , Olin College '21<br><b>Jackie Flores</b> , University of Maryland, Baltimore County<br><b>Williams Ochoa</b> , Montgomery College                                                          |
| 2:35-2:45 | BREAK                                                                                                                                                                                                                                                                                                                                  |
| 2:45-3:20 | <b>The Future Role of Technology in Undergraduate Learning</b><br><i>Speakers:</i><br><b>Michael Torrence</b> , Motlow Community College, Virtual Reality, TILT<br><b>Fernando Pérez</b> , Associate Professor of Statistics, UC Berkeley                                                                                              |
| 3:20-3:45 | <b>Minute Paper Break out session</b><br><i>How could your campus better use technology to improve the student learning experiences? What needs to be considered in designing the learning experiences?</i>                                                                                                                            |
| 3:45-3:55 | <b>Reporting back</b>                                                                                                                                                                                                                                                                                                                  |
| 3:55-4:00 | <b>Wrap Up Synthesis and Announcement of upcoming events</b>                                                                                                                                                                                                                                                                           |
| 4:00      | Adjourn                                                                                                                                                                                                                                                                                                                                |