



# EDI PROGRAM BOOK

2025 ENGINEERING DEANS INSTITUTE (EDI)

SUNDAY APRIL 6<sup>TH</sup> – TUESDAY APRIL 8<sup>TH</sup>, 2025

JW MARRIOTT STARR PASS RESORT & SPA, TUCSON, AZ

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University



# WELCOME TO THE 2025 ENGINEERING DEANS INSTITUTE (EDI) IN BEAUTIFUL TUCSON, ARIZONA!

On behalf of the American Society of Engineering Education (ASEE) and the members of the EDI Planning Committee, we are excited that you have chosen to join us for what we trust will be a highly informative, productive, and inspiring meeting. This year has been uniquely challenging for higher education in many ways, from the impending arrival next fall of the “demographic cliff” to the myriad ongoing changes at federal and state levels impacting multiple aspects of engineering education. Consequently, our Planning Committee has worked to bring in experts and panels from academia, government, and industry who can provide insight and suggestions on how to adapt and thrive in today’s, and tomorrow’s environment. We have sessions on the impact of AI on engineering education, adapting to meet both growing engineering workforce challenges and elimination of many broadening participation efforts, engineering curricula needed for today’s workplace, as well as reshaping public perception of engineering and updates on federal initiatives and guidelines impacting engineering higher education. We are also very pleased to be joined by distinguished speakers including **Dr. Theresa Maldonado**, *Systemwide VP for Research & Innovation at the University of California Office of the President*; **Maria Lehman**, *US Infrastructure Market Leader for GHD and NAE Member*; **Bonnie Zimmerman**, *Co-Founder and*

*Head of Strategy at Merit*; and **Dr. Renetta G. Tull**, *Vice Chancellor of Diversity, Equity, and Inclusion at University of California, Davis*; among many others. In addition, the opportunity to gather with your engineering dean peers and network is always valuable, and we have made sure to provide ample time for this important activity.

We truly hope you enjoy your time in Tucson and the beautiful Desert Southwest. The optional tour of the Boneyard (also known as the 309th Aerospace Maintenance and Regeneration Group or AMARG at Davis-Monthan Air Force Base in Tucson) the world’s largest aircraft boneyard and a vital part of the U.S. military’s aircraft maintenance and storage will be an added treat for those who can stay through Wednesday morning.

We want to thank everyone again for attending this year’s EDI. Special thanks go to all members of the EDI Planning Committee who worked hard over the better part of a year to plan the sessions and make the meeting productive for our attendees. To our sponsors, we thank you for your generous support. Finally, we want to thank ASEE for its support of the meeting, especially Tonya Tucker, Monique Ayala, Ashley Krawiec, Patti Greenawalt and Wayne Davis who worked closely with us over the last year to help make this meeting a reality. We hope you enjoy your time in Tucson!



**Jenna Carpenter, PhD.**  
Co-Chairs



**Donna Riley, PhD.**  
Co-Chairs

# EDI 2025 PLANNING COMMITTEE



## CO-CHAIRS:

### Jenna Carpenter, PhD

Founding Dean and Professor of Engineering, Campbell University

### Donna Riley, PhD

Jim and Ellen King Dean of Engineering, University of New Mexico

## COMMITTEE MEMBERS:

### Randy Collins, PhD

Dean, College of Engineering and Technology, Western Carolina University

### David Ferro, PhD

Dean of Engineering, Weber State University

### David Hahn, PhD

Dean of Engineering, The University of Arizona

### Vahid Motevalli, PhD, PE

Interim Vice Chancellor for Academic Affairs, Pennsylvania State University, Harrisburg

### Okenwa Okoli, PhD

Dean, Herff College of Engineering, The University of Memphis

### Daniel Pack, PhD

Dean, School of Engineering and Computer Science, Baylor University

### Kyle Squires, PhD

Dean of Engineering, Arizona State University

### Gregory Triplett, PhD

Dean, School of Science and Engineering, Saint Louis University

### Andrea Welker, PhD, PE

Dean, School of Engineering, The College of New Jersey

### Sharon Zelmanowitz, PhD, PE

Dean of Engineering, United States Coast Guard Academy

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THE THINKER

BY AUGUSTE RODIN

1880



# The future is blue.

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National Institute for Undersea Vehicle Technology in partnership with UCONN

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URI's Alex Yin (left), Ph.D. '24, a "soft robotics" undersea specialist, and researcher Jack Greenberg aboard the R/V Marcus Langseth.

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# EDI PROGRAM

## SCHEDULE OF EVENTS



### SUNDAY, APRIL 6th

10:00 AM - 5:00 PM Tucson Foyer	<b>Registration</b>
10:15 AM - 12:30 PM Tucson Salons G/H	<b>EDC Executive Board Meeting</b>
12:30 PM - 1:15 PM Tucson Salons G/H	<b>EDC Diversity Committee Meeting</b>
1:30 PM - 2:15 PM Tucson Salons G/H	<b>EDC Public Policy Committee Meeting</b>
1:30 PM - 3:15 PM Tucson Salons E/F	<b>Primarily Undergraduate Institutions Meeting</b> <b>Session Organizers:</b> <ul style="list-style-type: none"> <li>• John-David “JD” Yoder, <i>Dean, Ohio Northern University</i></li> <li>• Sara Atwood, <i>Dean, Elizabethtown College</i></li> <li>• Lauren Anderson, <i>Dean, Lafayette College</i></li> </ul>
2:15 PM - 3:15 PM Tucson Ballroom I	<b>MSI Interest Group Meeting</b> <b>Session Organizers:</b> <ul style="list-style-type: none"> <li>• Donna Riley, <i>Dean, University of New Mexico</i></li> <li>• Stephanie Luster-Teasley, <i>Dean of Engineering, North Carolina A&amp;T State University</i></li> </ul>
2:30 PM - 3:15 PM Tucson Salons G/H	<b>EDC Data Committee Meeting</b>
3:30 PM - 5:30 PM Tucson Salons E/F	<b>Deans Forum: New, Recent, and Curious Deans</b> <p>We are excited to welcome new, recent, and curious deans to this year’s session, which is designed to be interactive and participatory! With an electronic poll, participants will choose 3 or 4 questions of greatest interest to the whole group at the start of the session. poll. Questions will represent topics ranging from timeless new dean challenges to emergent issues that most deans are grappling with. Participants will spend approximately one hour discussing the chosen questions at tables, with longer serving Deans distributed among tables to help facilitate the discussion and provide advice from their experiences. The last 20 minutes of the session will bring the whole group back together. Representatives from each table will share insights and pose follow on questions that might spark ongoing discussion at the EDI. The session is designed to last approximately 90 minutes, however, some of the session organizers will stay longer for additional questions or discussion.</p>



# EDI PROGRAM

## SCHEDULE OF EVENTS



### SUNDAY, APRIL 6th

3:30 PM – 5:30 PM  
Tucson Salons E/F

#### Session Organizers:

- Sharon Zelmanowitz, *Dean, United States Coast Guard Academy*
- Andrea Welker, *Dean, The College of New Jersey*
- Kyle Squires, *Dean, Arizona State University*
- Randy Collins, *Dean, Western Carolina University*

6:00 PM – 8:00 PM  
Arizona Sands Club  
565 N Cherry Ave,  
5th Floor, Tucson, AZ  
85719

Welcome Reception hosted by The University of Arizona and Arizona State University

Shuttle pick up from Starr Pass Circle

Shuttle times:

5:30p departure from resort

8p departure from The University of Arizona





# EDI PROGRAM

## SCHEDULE OF EVENTS



### MONDAY, APRIL 7th

8:00 AM - 5:00 PM Tucson Foyer	<b>Registration</b>
8:00 AM - 5:00 PM Tucson Foyer	<b>Exhibits</b>
8:00 AM - 9:00 AM Tucson Salons E/F	<b>Breakfast</b> <b>EDC ADRP Program Update</b> <b>Speaker:</b> <ul style="list-style-type: none"> <li>• Dr. Javier Kypuros, ASEE EDC ADRP Chair, Dean, The University of Texas at Tyler</li> </ul>
9:00 AM - 9:15 AM Tucson Salons E/F	<b>Welcome Remarks</b> <b>Sharon Walker</b> , EDC Chair, Dean, Drexel University <b>Jenna Carpenter</b> , EDI Co-Chair, Dean, Campbell University
9:15 AM - 10:15 AM Tucson Salons E/F	<b>Session 1: Keynote Speaker</b> <b>Introduction:</b> <ul style="list-style-type: none"> <li>• Donna Riley, EDI Co-Chair, Dean, University of New Mexico</li> </ul> <b>Speaker:</b> <ul style="list-style-type: none"> <li>• Dr. Theresa Maldonado, Systemwide Vice President for Research &amp; Innovation, University of California Office of the President</li> </ul>
10:15 AM - 10:45 AM Tucson Foyer	<b>Refreshment &amp; Networking Break</b>
10:45 AM - 12:00 PM Tucson Salons E/F	<b>Session 2: Creating Research Coalitions</b> The opportunity to compete for multi-institution regional and national research awards has grown significantly in recent years, including award values ranging from hundreds of millions to a billion dollars with recent programs. Creating successful coalitions can be challenging. This session will explore successful strategies and lessons learned through panel discussions with program managers and successful team leads, and audience Q&A. <b>Moderators:</b> <ul style="list-style-type: none"> <li>• David Hahn, Dean, The University of Arizona</li> <li>• Randy Collins, Dean, Western Carolina University</li> </ul>

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CENTER FOR CONNECTED  
AUTONOMY & AI



# EDI PROGRAM

## SCHEDULE OF EVENTS



### MONDAY, APRIL 7th

<p><b>10:45 AM – 12:00 PM</b> Tucson Salons E/F</p>	<p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• <b>Dr. David Ferro</b>, <i>Dean of Engineering, Applied Science and Technology, Weber State University</i></li> <li>• <b>Ellen Stechel</b>, <i>Director, Arizona Carbon-Neutral Economy (AzCaNE) and Professor of Practice, School of Molecular Sciences, Arizona State University</i></li> <li>• <b>Dr. Tomas de la Rubia</b>, <i>SVP for Research, Professor of Materials Science and Engineering</i></li> <li>• <b>Erwin Gianchandani</b>, <i>TIP Program Manager, National Science Foundation</i></li> </ul>
<p><b>12:00 PM – 1:15 PM</b> Tucson Salons E/F</p>	<p><b>Monday Lunch</b> <b>Reshaping Public Perception of Engineering</b></p> <p><b>Speaker:</b></p> <ul style="list-style-type: none"> <li>• <b>Bonnie Zimmerman</b>, <i>Co-Founder, Head of Strategy, Merit</i></li> </ul>
<p><b>1:15 PM – 2:15 PM</b> Tucson Salons E/F</p>	<p><b>Session 3: Engineering Education in the Era of GenAI: Examples &amp; Use Cases</b></p> <p>Generative AI (GenAI) is rapidly reshaping education, bringing both opportunities and challenges to engineering disciplines. While many educators are familiar with AI's performance on standardized tests, the tools and technology are rapidly advancing and are now able to solve complex engineering problems, from kinematics to system dynamics to many other areas—tasks traditionally thought to require deep understanding and human expertise beyond the capabilities of current GenAI systems. Through live demonstrations of AI tackling engineering-specific homework and exam problems, attendees will gain insight into the accelerating capabilities of these tools. Faculty innovators will share experiences for integrating GenAI into curricula, adapting assessments, evaluating AI-generated solutions critically, and preparing students for AI-driven workplaces, where students will add value through responsible curation of AI in sociotechnical contexts. Join us to explore how engineering education can lead in embracing GenAI's transformative potential.</p> <p><b>Moderator:</b></p> <ul style="list-style-type: none"> <li>• <b>Dr. Dietmar Rempfer</b>, <i>Former Dean, Embry-Riddle Aeronautical University, Prescott</i></li> </ul> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• <b>Dr. Melanie Moses</b>, <i>Professor of Computer Science, University of New Mexico</i></li> <li>• <b>Dr. Nadia Kellam</b>, <i>Associate Professor of Engineering and Associate Director for Research Excellence, Arizona State University</i></li> <li>• <b>Dr. Michael Thompson</b>, <i>Professor of Electrical and Computer Engineering, Baylor University</i></li> </ul>

# EDI PROGRAM

## SCHEDULE OF EVENTS



### MONDAY, APRIL 7th

<p>2:15 PM – 2:45 PM Tucson Foyer</p>	<p><b>Refreshment &amp; Networking Break</b></p>
<p>2:45 PM – 3:45 PM Tucson Salons E/F</p>	<p><b>Session 4: Evolving Engineering Curricula for an AI-Driven Future</b></p> <p>As AI redefines the engineering workplace, leaders in engineering education must ensure that curricula evolve to meet the demands of a rapidly transforming industry. This session will introduce key AI tools poised to become essential in engineering practice – such as large language models (LLMs) for enhanced data analysis and decision-making, generative design platforms for innovative product development, and AI-assisted simulation tools that enhance complex system modeling and testing. Panelists will share insights on strategies to integrate these tools into engineering curricula, preparing graduates to leverage AI effectively and ethically. Discussions will include challenges in reshaping learning frameworks, fostering interdisciplinary skills, and establishing partnerships to support AI-enabled educational resources. Attendees will come away with actionable ideas to embed AI competencies within programs, ensuring that students are well-prepared to excel in an AI-centric future.</p> <p><b>Moderator:</b></p> <ul style="list-style-type: none"> <li>• <b>Daniel Pack</b>, <i>Dean, Baylor University</i></li> </ul> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• <b>Sumit Tandon</b>, <i>Customer Success Engineer Manager, MathWorks</i></li> <li>• <b>Michael K. J. Milligan</b>, <i>CEO, ABET</i></li> <li>• <b>Todd Tuthill</b>, <i>Vice President for Aerospace, Defense, and Marine Industry, Siemens Digital Industries Software</i></li> <li>• <b>Peter Martin</b>, <i>Director of R&amp;D, Quanser</i></li> </ul>
<p>3:45 PM – 5:00 PM Tucson Salons E/F</p>	<p><b>Session 5: Current Issues: The Impact of Executive Orders: Power, Policy, and Precedent</b></p> <p><b>Moderator:</b></p> <ul style="list-style-type: none"> <li>• <b>Gregory Triplett</b>, <i>Dean, Saint Louis University</i></li> </ul> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• <b>Jennifer Poulakidas</b>, <i>Associate Vice Chancellor, Government and Community Relations, University of California, Los Angeles</i></li> <li>• <b>Matthew Simon</b>, <i>Associate Vice President, State and Federal Regulations, Office of Government &amp; Community Engagement, Arizona State University</i></li> </ul>



# EDI PROGRAM

## SCHEDULE OF EVENTS



### MONDAY, APRIL 7th

6:00 PM – 7:00 PM  
Starr Circle

#### Reception Sponsored by Oregon State University

**Speaker:**

- Dr. Scott Ashford, *Dean, College of Engineering, Oregon State University*

7:00 PM – 9:00 PM  
Tucson Salon E/F

#### Banquet & Invited Keynote Sponsored by University of Louisville, Speed School of Engineering

**Speaker:**

- Dr. J.P. Mohsen, *Associate Dean, Administration and Faculty Affairs, University of Louisville*





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## 2025 CARNEGIE CLASSIFICATION

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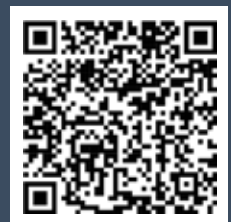
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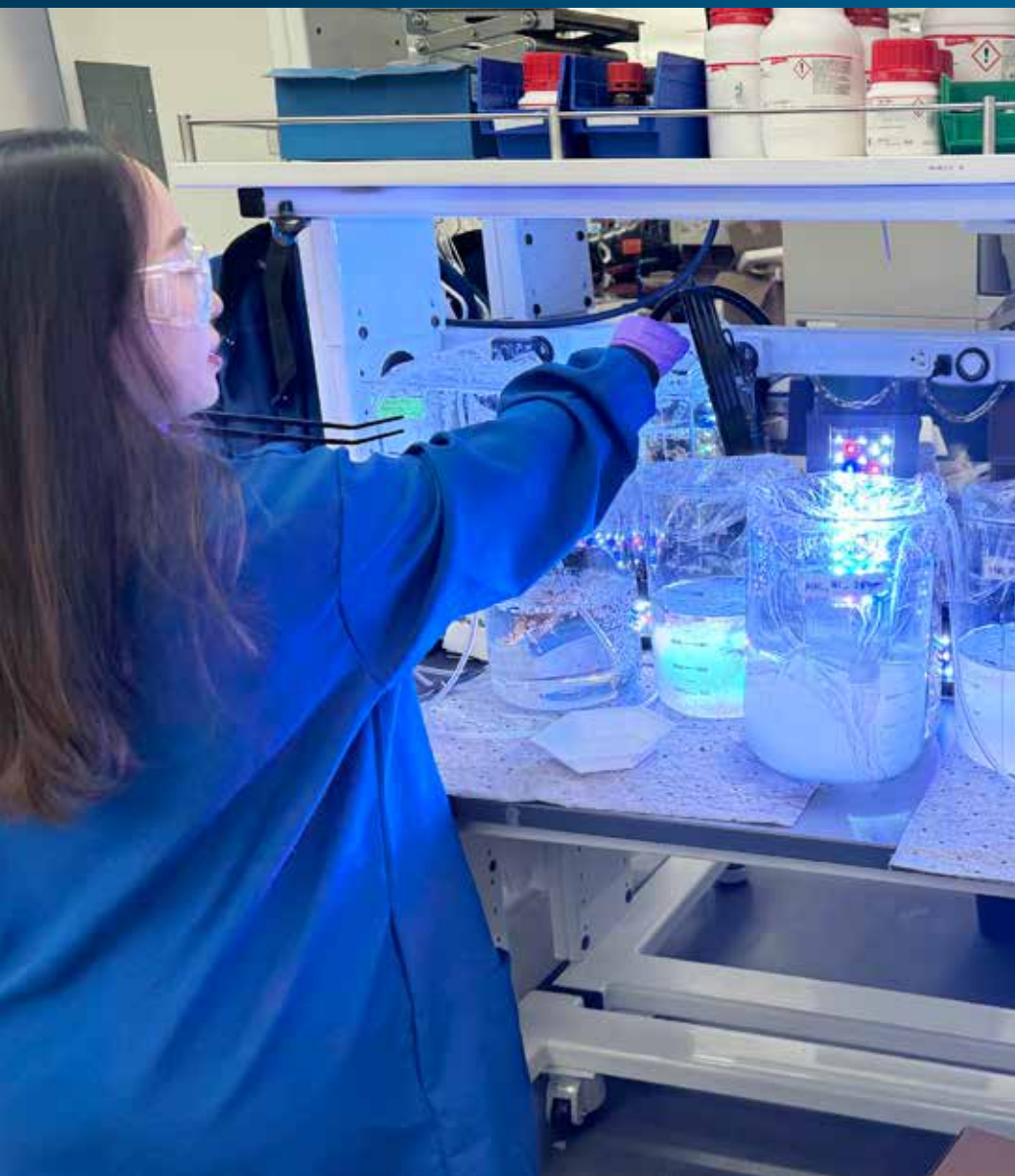
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# EDI PROGRAM

## SCHEDULE OF EVENTS



### TUESDAY, APRIL 8th

<p>8:00 AM - 5:00 PM Tucson Foyer</p>	<p><b>Registration</b></p>
<p>8:00 AM - 5:00 PM Tucson Foyer</p>	<p><b>Exhibits</b></p>
<p>8:00 AM - 9:00 AM Tucson Salons E/F</p>	<p><b>Breakfast Deans Survey</b></p> <p><b>Speaker:</b></p> <ul style="list-style-type: none"> <li>• <b>Dr. Stephanie Adams</b>, <i>Dean, Erik Jonsson School of Engineering and Computer Science, The University of Texas at Dallas</i></li> </ul>
<p>9:00 AM - 9:15 AM Tucson Salons E/F</p>	<p><b>Welcome Remarks</b></p> <p><b>Grant Crawford</b>, <i>ASEE President, Quinnipiac University</i>  <b>Donna Riley</b>, <i>EDI Co-Chair, Dean, University of New Mexico</i></p>
<p>9:15 AM - 10:15 AM Tucson Salons E/F</p>	<p><b>Session 6: Revolutionizing the Future Engineering Workforce</b></p> <p>Engineering workforce needs are growing at the same time that we're facing a demographic decline of college students in the US and the retirement of the last of the Baby Boomers. Even with rapid uptake of AI, engineering skill sets like creative problem solving are expected to remain in high demand. To help deans meet these needs, this panel will highlight key challenges along with recommendations and best practices from both a recent report from the National Infrastructure Advisory Council Subcommittee on Expanding the Workforce and a guidance document from the American Society of Civil Engineers and National Governors Association.</p> <p><b>Moderator:</b></p> <ul style="list-style-type: none"> <li>• <b>Gregory Triplett</b>, <i>Dean, Saint Louis University</i></li> </ul> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• <b>Maria Lehman</b>, <i>NIAC Vice-Chair, Past ASCE President, ASCE Task Committee on Transforming the Workforce</i></li> <li>• <b>Dr. Norma Jean Mattei</b>, <i>NIAC Member, Past ASCE President</i></li> <li>• <b>Dr. Jenna Carpenter</b>, <i>NIAC Subcommittee Member, ASCE Task Committee on Transforming the Workforce</i></li> </ul>

# EDI PROGRAM

## SCHEDULE OF EVENTS



### TUESDAY, APRIL 8th

<p>10:15 AM - 10:30 AM Tucson Salons E/F</p>	<p><b>Cool Ideas Session I</b></p> <p><b>Session Organizer:</b></p> <ul style="list-style-type: none"> <li>• David Ferro, <i>Dean, Weber State University</i></li> </ul> <p><b>Topics:</b></p> <ul style="list-style-type: none"> <li>• Challenge Factor for Retention</li> <li>• Engineers Need to Read Jane Austen!</li> <li>• Engineering for US All</li> </ul>
<p>10:30 AM - 11:00 AM Tucson Foyer</p>	<p><b>Refreshment &amp; Networking Break</b></p>
<p>11:00 AM - 12:00 PM Tucson Salons E/F</p>	<p><b>Session 7: The Power of Data for Engineering Programs</b></p> <p>In this talk we consider metrics for quantifying the complexity of academic program curricula. Complexity in this case relates to the extent to which the structure of a curriculum impacts a student's ability to progress through that curriculum towards graduation. The ability to quantify curricular complexity in this manner allows us to order programs according to their complexity, and to compare and contrast similar programs at different institutions according to these complexity measures. Using curricular data collected from a large number of universities, we will show that most curricula are distributed at the lower end of the complexity scale with relatively few at the higher end of this scale; however, many of the higher complexity curricula correspond to engineering programs. Next, we consider how curricular complexity metrics vary according to academic discipline, both broadly across the wide variety of fields in higher education, and more narrowly within specific engineering disciplines. Finally, we will describe some surprising evidence supporting the proposition that higher quality engineering programs tend to have lower complexity curricula.</p> <p><b>Session Organizer:</b></p> <ul style="list-style-type: none"> <li>• Gregory Triplett, <i>Dean, Saint Louis University</i></li> </ul> <p><b>Speaker:</b></p> <ul style="list-style-type: none"> <li>• Dr. Gregory Heileman, <i>Vice Provost for Undergraduate Education and Professor of Electrical and Computer Engineering, The University of Arizona</i></li> </ul>
<p>12:00 PM - 1:45 PM Tucson Salons E/F</p>	<p><b>Tuesday Lunch and EDC Business Meeting Sponsored by Florida International University</b></p> <p><b>Speakers:</b></p> <ul style="list-style-type: none"> <li>• Dr. Ines Triay, <i>Interim Dean, Florida International University</i></li> <li>• Sharon Walker, <i>EDC Chair, Dean, Drexel University</i></li> </ul>

# EDI PROGRAM

## SCHEDULE OF EVENTS



### TUESDAY, APRIL 8th

<p>1:45 PM – 3:00 PM Tucson Salons E/F</p>	<p><b>Session 8: ASEE Inclusive Mindset Project</b></p> <p>The ASEE Mindset Project is the result of a multi-year effort to develop key recommendations for changing the landscape of engineering and engineering technology education to better meet the needs of our ever-changing world. The ASEE Mindset Report evaluates the current state of engineering education and curricula in terms of diversity, inclusivity, pathways, and mindset and identifies the most challenging issues and limitations of our current system. The follow-on ASEE Blueprint Report is a roadmap on how to implement the findings and recommendations from the Mindset Report. Our panel of project participants will share key insights from these reports that inform engineering education for the 21st century.</p> <p><b>Moderator:</b></p> <ul style="list-style-type: none"> <li>• Jenna Carpenter, <i>Dean, Campbell University</i></li> </ul> <p><b>Panelists:</b></p> <ul style="list-style-type: none"> <li>• Dr. Donna Riley, <i>Jim and Ellen King Dean of Engineering and Computing, University of New Mexico</i></li> <li>• Dr. Michelle Sabick, <i>Dean, Ritchie School of Engineering and Computer Science, University of Denver</i></li> <li>• Dr. Stephanie Adams, <i>Dean, Erik Jonsson School of Engineering and Computer Science, The University of Texas at Dallas</i></li> <li>• Dr. Sara Atwood, <i>Dean, School of Engineering and Computer Science, Elizabethtown College</i></li> <li>• Dr. Gary Bertoline, <i>Distinguished Professor and Senior VP, Purdue University at West Lafayette</i></li> </ul>
<p>3:00 PM – 3:15 PM Tucson Salons E/F</p>	<p><b>Cool Ideas Session II</b></p> <p><b>Session Organizer:</b></p> <ul style="list-style-type: none"> <li>• David Ferro, <i>Dean, Weber State University</i></li> </ul> <p><b>Topics:</b></p> <ul style="list-style-type: none"> <li>• Improving Engagement with Advisory Boards</li> <li>• Program Synthesis through Student Competition Teams</li> <li>• AI-Tutor</li> </ul>
<p>3:15 PM – 3:45 PM Tucson Foyer</p>	<p><b>Refreshment Break &amp; Networking Break</b></p>



# EDI PROGRAM

## SCHEDULE OF EVENTS



### TUESDAY, APRIL 8th

<p>3:45 PM – 5:00 PM Tucson Salons E/F</p>	<p><b>Session 9: The Status of DEI in Higher Education</b></p> <p>This panel will look at strategies which can be used to support the success of students and faculty amid the rapidly changing national landscape on diversity, equity, and inclusion programs and initiatives.</p> <p><b>Session Organizer:</b></p> <ul style="list-style-type: none"><li>• Jenna Carpenter, <i>Dean, Campbell University</i></li></ul> <p><b>Panelists:</b></p> <ul style="list-style-type: none"><li>• Dr. Yvette Pearson, <i>Ph.D., P.E., F.ASCE, F.ASEE, Founder and Principal Consultant, The PEER Group, Inc.</i></li><li>• Dr. Renetta G. Tull, <i>Vice Chancellor for Diversity, Equity, and Inclusion (DEI), University of California, Davis</i></li><li>• Dr. Brooke Coley, <i>Critical Scholar, Founding Executive Director of the Center for RARE JUSTICE, Assistant Professor of Engineering, Arizona State University</i></li><li>• Dr. Beth Mitchneck, <i>Professor Emerita, School of Geography, Development &amp; Environment, The University of Arizona</i></li><li>• Dr. Javier Kypuros, <i>Dean, College of Engineering, The University of Texas at Tyler</i></li></ul>
<p>5:00 PM – 7:00 PM Starr Circle</p>	<p><b>Closing Reception Sponsored by University of Rhode Island, College of Engineering</b></p> <p><b>Speaker:</b></p> <ul style="list-style-type: none"><li>• Dr. Anthony Marchese, <i>Dean, College of Engineering, University of Rhode Island</i></li></ul>







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of Engineering

## FAST FACTS

### UNIVERSITY OF PITTSBURGH

- Top Fulbright Producer for 2023-24 (127 Scholars since 2013)
- 2024 Higher Education Excellence in Diversity Award from *INSIGHT Into Diversity* (eighth year in a row)
- #8 among the best global public universities in 2024 by *U.S. News & World Report*
- \$1.2 billion in research expenditures
- #16 in R&D spending (Higher Education Research and Development (HERD) Survey)
- #14 in Worldwide Universities Granted Utility Patents in 2024 (National Academy of Inventors)

### SWANSON SCHOOL OF ENGINEERING

- 34% female enrollment (overall)
- 14.2% first generation enrollment (overall)
- Top 20 University Engineering Program (Minority Engineer Magazine)
- 13 National GEM Consortium Fellows since 2021
- 27 NSF CAREER Awardees since 2016
- \$62.9 million in research expenditures for primary faculty
- \$126.68 million for primary and engaged secondary faculty
- 38 patents awarded in 2024 (32% of Pitt)

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# SPEAKERS LIST



**Dr. Stephanie G. Adams**

Dean of the Erik Jonsson School of Engineering and Computer Science, University of Texas at Dallas



**Dr. Scott Ashford**

Kearney Dean of Engineering, Oregon State University



**Dr. Sara Atwood**

Dean, School of Engineering and Computer Science, Elizabethtown College



**Dr. Gary Bertoline**

Bertoline, Professor Emeritus, Purdue University



**Dr. Jenna Carpenter**

Founding Dean and Professor, School of Engineering, Campbell University



**Dr. Brooke Coley**

Critical Scholar, Founding Executive Director of the Center for RARE JUSTICE, Assistant Professor of Engineering, Arizona State University



**Dr. Grant Crawford**

President, ASEE; Professor of Mechanical Engineering, Quinnipiac University



**Dr. Erwin Gianchandani**

TIP Program Manager, National Science Foundation



**Dr. David Ferro**

Dean of Engineering, Applied Science & Technology, Weber State University



**Dr. Stacy Klein-Gardner**

Executive Director, Engineering for US All



**Dr. Samuel Graham, Jr.**

Dean, A. James Clark School of Engineering, University of Maryland



**Dr. David Grewell**

Dean, College of Engineering and Technology, Northern Illinois State University



**Dr. Gregory Heileman**

Vice Provost for Undergraduate Education and Professor of Electrical and Computer Engineering, University of Arizona



**Dr. Nadia Kellam**

Associate Professor of Engineering and Associate Director of Research Excellence, Arizona State University



**Dr. Javier Kypuros**

Dean, College of Engineering, University of Texas at Tyler



**Maria Lehman**

NIAC Vice-Chair, Past ASCE President, ASCE Task Committee on Transforming the Workforce



**Dr. Kemper Lewis**

Dean, University at Buffalo, State University of New York



**Dr. Theresa A. Maldonado, P.E.**

Vice President for Research & Innovation, University of California



**Dr. Anthony J. Marchese**

Dean of Engineering, University of Rhode Island



**Peter Martin**

Director of R&D, Quanser



# SPEAKERS LIST



**Dr. Norma Jean Mattei**  
NIAC Member,  
Past ASCE President



**Scott Meyer**  
Founder, Chipp.ai



**Michael Milligan**  
CEO, ABET



**Dr. Beth Mitchneck**  
Professor Emerita in the  
School of Geography,  
Development &  
Environment at the  
University of Arizona



**Dr. J.P. Mohsen**  
Associate Dean for  
Administration and  
Faculty Affairs, University  
of Louisville, Ph.D.



**Dr. Melanie Moses**  
Professor of Computer  
Science, University of New  
Mexico



**Dr. Philip J. Parker**  
Dean of the College of  
Engineering, Mathematics,  
and Science, University of  
Wisconsin-Platteville



**Yvette Pearson, Ph.D.,  
P.E., FASCE, FASEE**  
Ph.D., P.E., FASCE, FASEE,  
Founder and Principal  
Consultant, The PEER  
Group, Inc.



**Dr. Darryll J. Pines**  
President, University of  
Maryland



**Jennifer Poulakidas**  
Associate Vice Chancellor,  
Government and  
Community Relations,  
University of California, Los  
Angeles



**Dr. Ashok  
Ramasubramanian**  
Dean of Engineering  
and Co-Director of the  
Templeton Institute,  
Union College



**Dr. Dietmar Rempfer**  
Former Dean, Embry-  
Riddle Aeronautical  
University, Prescott



**Dr. Donna Riley**  
Jim and Ellen King Dean  
of Engineering, University  
of New Mexico



**Dr. Tomas Diaz de  
la Rubia**  
Senior Vice President for  
Research and Innovation,  
University of Arizona



**Dr. Michelle Sabick**  
Dean of the Ritchie  
School of Engineering  
and Computer Science,  
University of Denver



**Matthew Simon**  
Associate Vice Chancellor,  
Government and  
Community Relations,  
University of California, Los  
Angeles



**Dr. Ellen Stechel**  
Executive Director  
Center for an Arizona  
Carbon-Neutral Economy  
(AzCaNE) and Co-Director  
of ASU LightWorks®



**Dr. Michael Thompson**  
Professor of Electrical and  
Computer Engineering,  
Baylor University



**Dr. Ines Triay PhD**  
Interim Dean, College  
of Engineering and  
Computing, Executive  
Director, Applied  
Research Center, Florida  
International University



**Dr. Renetta G. Tull**  
Vice Chancellor for  
Diversity, Equity, and  
Inclusion, University of  
California, Davis



**Todd Tuthill**  
Vice President for  
Aerospace, Defense, and  
Marine Industry, Siemens  
Digital Industries Software

# SPEAKERS LIST



**Dr. Sharon L. Walker**

Dean of Engineering,  
Drexel University



**Dr. Lawrence Whitman**

Dean, Southern  
Polytechnic College  
of Engineering and  
Engineering Technology



**Bonnie Zimmerman**

Co-Founder, Head of  
Strategy, Merit



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