EDI
Program Book
2023 Engineering Deans Institute (EDI)
Sunday, April 16th – Wednesday, April 19th, 2023
Caribe Hilton, San Juan, Puerto Rico
WORLD-SHAKING INNOVATION DOESN’T HAPPEN OVERNIGHT.

It requires innovative thinking, courageous research and art-of-the-possible collaborations. We should know; we do it every day.

Grainger Engineers solve problems, not for the glory, but for the good.
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Welcome to the 2023 Engineering Deans Institute (EDI) in beautiful San Juan, Puerto Rico. On behalf of the American Society of Engineering Education (ASEE) and all members of the organizing committee, we are excited you have chosen to join us for what we trust will be an informative and productive meeting.

The past few years have been challenging for engineering programs, and higher education in general, but we are pleased we will be able to gather in-person and discuss the many ways engineers positively impact society and improve our world. Early in the planning process, our organizing committee decided to emphasize topics that demonstrated the resilience of people and communities. We will have leaders in academia, government, and industry discuss how our engineering programs can mitigate the effects of the Great Attrition, improve the health of communities impacted by climate change, and enhance belonging and inclusivity by recognizing the visible and invisible challenges our faculty, staff, and students face.

Our conference topic, "resilience," is very important to Puerto Rico because its landscape, power network, and economic conditions have been dramatically impacted after several 6.0 earthquakes at the beginning of 2020 coupled with the COVID-19 pandemic. The island is also still recovering from the Category 5 hurricanes Irma and Maria in 2017. These challenges make it even more special that you are here with us, and we truly hope you enjoy your time in San Juan.

The EDI 2023 sessions will also emphasize trends influencing the future of our programs, such as the increasing importance of engineering to the medical profession, the need to evolve our perspectives regarding online education, the necessity of examining the engineering curriculum, and ways we can partner more effectively with industry to prepare our graduates for lifelong success in the engineering profession.

We are also very pleased to be joined by several distinguished speakers. President Michael M. Crow will join us remotely to provide remarks at the Monday banquet and will be available to take questions. The Honorable Eileen Vélez-Vega, current Secretary of Transportation and Public Works in Puerto Rico and the first female to serve in this role, will join us for a keynote and the session on community resilience. Mr. José M. Izquierdo-Encarnación, the 19th Secretary of State for Puerto Rico and current owner of PORTICUS, will be joining us as well. Both Secretary Vélez-Vega and Mr. Izquierdo-Encarnación are engineers themselves and will provide their perspectives on the engineering profession’s challenges and opportunities.

This discussion will take place in one of the most beautiful parts of the world, San Juan, Puerto Rico, and as always, there will be ample time to network. As an organizing committee, we have ensured there is sufficient downtime to enjoy the community and connect with colleagues.

We want to thank everyone for attending this year’s EDI. Special thanks go to all members of the organizing committee, who worked hard over the better part of 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 Patti Greenawalt, Heather Deale, Ashley Krawiec, and Rafael Gerena, who worked closely with us over the past several months to bring us together.

We hope you enjoy your time in San Juan!
EDI PLANNING COMMITTEE

Donald Leo, Co-Chair
Dean, College of Engineering, University of Georgia

P. J. Boardman, Corporate Member
Council, Global Director, STEM Outreach & Workforce Development
MathWorks

Vahid Motevalli
Dean, School of Science, Engineering & Technology,
Pennsylvania State University–Harrisburg

Carlos J. Gonzalez Miranda, Co-Chair
Dean, College of Engineering, Polytechnic University of Puerto Rico

Keith Bowman
Dean, College of Engineering, University of Maryland–Baltimore County

Bienvenido Vélez-Rivera
Dean, College of Engineering, University of Puerto Rico–Mayagüez

Gregory Abowd
Dean, College of Engineering, Northeastern University

Emily Hunt
Dean, College of Engineering, West Texas A&M University

John Volakis
Dean, College of Engineering & Computing, Florida International University

Stella Batalama
Dean, Electrical Engineering & Computer Science, Florida Atlantic University

Kyle Squires
Dean, Ira A. Fulton Schools of Engineering, Arizona State University

John Weidner
Dean, College of Applied Sciences, University of Cincinna

Dora Smith, Corporate Member
Council, Senior Director, Global Academic Programs, Siemens Digital Industries Software
Work on advanced technology

Our teams are united in pushing the boundaries of imagination and excellence. Join us.

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# Schedule

**Sunday, April 16, 2023**

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<th>Time</th>
<th>Event</th>
<th>Location</th>
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<td>10:00 A.M. – 6:00 P.M.</td>
<td>Registration</td>
<td>San Cristobal Foyer A</td>
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<td>11:30 A.M. – 1:15 P.M.</td>
<td>EDC Executive Board Meeting</td>
<td>San Cristobal B</td>
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<td>1:30 P.M. – 2:15 P.M.</td>
<td>Public Policy Committee</td>
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<td>2:30 P.M. – 3:15 P.M.</td>
<td>Data Committee Meeting</td>
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<td>3:30 P.M. – 4:30 P.M.</td>
<td>EDC Diversity Committee Meeting</td>
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<td>3:00 P.M. – 5:00 P.M.</td>
<td>New Deans Forum</td>
<td>San Geronimo</td>
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<td>A session designed for deans who are in the first 1 to 2 years of their deanship. Speakers will discuss their perspectives and reflections on the role and answer questions from attendees.</td>
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<td><strong>Speakers:</strong></td>
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<td></td>
<td>• Stephanie Adams, <em>Dean, University of Texas–Dallas</em></td>
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<td>• Amy Fleischer, <em>Dean, California Polytechnic State University–San Luis Obispo</em></td>
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<td>• Ayanna Howard, <em>Dean, Ohio State University</em></td>
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<td>• Sharon Walker, <em>Dean, Drexel University</em></td>
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<td>6:00 P.M. – 8:30 P.M.</td>
<td>Welcome Reception at the Polytechnic University of Puerto Rico, Sponsored by Florida international University and Polytechnic University of Puerto Rico</td>
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<td><strong>Transportation to University</strong></td>
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<td><strong>Busses depart from the Caribe Hilton at 6:00 p.m.</strong></td>
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<td><strong>Sponsored Speakers:</strong></td>
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<td></td>
<td>• John Volakis, <em>Florida International University &amp; Carlos Gonzales, Polytechnic University of Puerto Rico</em></td>
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Monday, April 17, 2023

8:00 A.M. – 5:00 P.M. Registration  
San Cristobal Foyer A

8:00 A.M. – 9:30 A.M.  
Monday Breakfast & Keynote  
San Geronimo  
Sponsored by Northeastern University

Sponsored Speaker:
• Gregory Abowd, Dean, College of Engineering, Northeastern University
• Akram Alshawabkeh, George A. Snell, Professor of Engineering, Northeastern University

San Geronimo

This session will examine collaboration models that create a sustainable engineering and computing innovation ecosystem for medicine and health care.

Welcome Remarks: Jenna Carpenter, Founding Dean of Engineering, Campbell University, ASEE President

Speakers:
• Susan Margulies, Assistant Director, National Science Foundation, Directorate for Engineering

Panelists:
• Dave Gutekunst, Program Director, Division of Interdisciplinary Training, National Institute of Biomedical Imaging and Bioengineering
• Julie Pilitsis, Dean, Charles E. Schmidt College of Medicine, Florida Atlantic University
• Rai Winslow, Director of Life Science and Medical Research at Roux Institute Professor of Bioengineering, Northeastern University
• Richard Cartledge, Chief, Cardiothoracic Surgery, Medical Director, Lynn Heart & Vascular Institute, Boca Raton Regional Hospital, Florida

Session Organizers:
• Gregory Abowd, Dean, College of Engineering, Northeastern University
• Stella Batalama, Session Chair, Dean, College of Engineering and Computer Science, Florida Atlantic University
• Vahid Motevalli, Director (Dean), School of Science, Engineering and Technology, and Interim Associate Vice Chancellor for Research, Pennsylvania State University–Harrisburg
• John Weidner, University of Cincinnati

10:15 A.M. – 10:45 A.M.  
Morning Refreshment Break
Our Pedigree Speaks for Itself

As the joint engineering college for Florida A&M University and Florida State University, we enjoy a unique status. Florida A&M is a top-ranked public HBCU, while Florida State is a Top-20 public R-1 university. And we’re proudly the only shared institution in the nation.

We are surrounded by several nationally-recognized research centers and a national laboratory. The college is a leading academic institution with excellent records of achievement in research and public service. Our faculty partner closely with the research offices at both FAMU and FSU, and we attract outstanding researchers from all over the world.

The FAMU-FSU College of Engineering is proof that something can be more than just the sum of its parts. We enjoy the benefits of our two-university pedigree, and celebrate our success in not only graduating the next generation of engineers, but cultivating them in an atmosphere that values inclusive excellence.
**Session 2: Engineering and Computing Workforce Resilience—the Great Attrition!**

**San Geronimo**

This session will explore changes in the post-pandemic engineering workforce and the challenges and opportunities associated with hiring and retention of engineering professionals.

**Panelists:**

- **Keith Bowman,** Dean, College of Engineering and Information Technology, University of Maryland–Baltimore County
- **Fabiola Clayton,** Education Program Manager, Design & Engineering, Autodesk
- **Brian Sanders,** Associate Professor, College of Aviation, Assistant Dean of Teaching Technology, Embry-Riddle Aeronautical University
- **Jessica Silwick,** Chief Financial Officer, Chief Operating Officer, ABET

**Session Organizers:**

- **Donald Leo,** Dean, College of Engineering, University of Georgia
- **Vahid Motevalli,** Director (Dean), School of Science, Engineering and Technology, and Interim Associate Vice Chancellor for Research, Pennsylvania State University–Harrisburg

**Monday Lunch, Sponsored by Dassault Systems**

**San Geronimo**

- **José M. Izquierdo-Encarnación,** Owner, PORTICUS

**Sponsored Speaker:**

- **Xavier Fouger,** Learning Centers & Programs Senior Director, Dassault Systemes

**Session 3: Un-Othering the Less Visible Elements of Diversity**

**San Geronimo**

This session will focus on elements of diversity beyond race and ethnicity to fully engage intersectionality.

**Panelists:**

- **Kelly Cross,** Assistant Professor, Georgia Institute of Technology
- **Stephanie Farrell,** Professor, Rowan University
- **Maithilee Kunda,** Assistant Professor, Vanderbilt University
- **Justin Major,** Assistant Professor, Rowan University
- **Héctor E. Rodríguez-Simmonds,** Instructor, Purdue University

**Session Organizers:**

- **Gregory Abowd,** Dean, College of Engineering, Northeastern University
- **Keith Bowman,** Dean, College of Engineering and Information Technology, University of Maryland–Baltimore County
MAKING A REAL IMPACT IN OUR WORLD

Florida International University’s College of Engineering and Computing is an innovative research powerhouse. FIU is making a real impact as a national leader in research and is a top 20 patent producer among public universities. The number of patents awarded to faculty surpassed 40 for five consecutive years, with a total of 44 in one year. In FY2022, the college received more than $47M in research awards.

FIU’s College of Engineering and Computing is one of the largest in the nation with more than 8,300 students, including 1,200 graduate students. The college is a top producer of minority engineers, most notably the No. 1 producer of Hispanic engineers and No. 5 producer of African American engineers in the continental U.S.

Our TOP 50 public programs give students the tools to make a Real Impact in our world.

#1 producer of Hispanic engineers

#5 producer of African American/Black engineers

#35 Master’s in Engineering U.S. News and World Report Online Rankings

#40 Engineering & Technology QS World University Rankings

#42 Electrical and Electronics Engineering U.S. News and World Report Global Rankings

#44 Computer Science and Information QS World University Rankings

Get to know us at cec.fiu.edu
3:00 p.m. – 3:30 p.m.  Afternoon Refreshment Break  
Sponsored by Mouser Electronics & The Boeing Company  
San Cristobal DEFG

3:30 p.m. – 5:00 p.m.  Session 4: Remote/Online Education in Engineering and Computing  
San Geronimo  
This session will discuss challenges, benefits, and drivers of remote/online education, and its impact on university operations and student experiences across different sized universities.

Speaker:  
• Don Millard, Deputy Assistant Director, Directorate of Engineering, National Science Foundation

Panelists:  
• Jeff Alderson, Education Product Marketing, MathWorks  
• Cuauhtemoc Godoy, Director, Virtual Education and Innovation Learning (VEIL), Polytechnic University of Puerto Rico  
• Steve Phillips, Professor and Director, School of Electrical, Computer, and Energy Engineering, Arizona State University  
• Betty Vandenbosch, Senior Advisor to the CEO, Coursera

Session Organizers:  
• Stella Batalama, Session Chair, Dean, College of Engineering and Computer Science, Florida Atlantic University  
• Carlos Gonzalez-Miranda, Dean, College of Engineering, Polytechnic University of Puerto Rico  
• Bienvenido Vèlez-Rivera, Dean, College of Engineering, University of Puerto Rico–Mayagüez

7:00 p.m. – 7:30 p.m.  Monday Reception  
Sponsored by Duolingo English Test, University of Maryland, Baltimore County, & Oregon State University  
San Geronimo Terrace

Sponsored Speaker:  
• Scott Ashford, Dean, College of Engineering, Oregon State University

7:30 p.m. – 10:00 p.m.  Banquet  
Sponsored by University of Louisville  
San Geronimo

Sponsored Speaker:  
• Emmanuel Collins, University of Louisville

Speaker:  
• Michael M. Crow, President, Arizona State University
Tuesday, April 18, 2023

8:00 A.M. – 5:00 P.M.  ASEE Exhibits  
San Cristobal DEFG

8:00 A.M. – 5:00 P.M.  Registration  
San Cristobal Foyer A

8:00 A.M. – 9:15 A.M.  Tuesday Breakfast & Keynote  
Sponsored by University of Georgia  
San Geronimo

Speaker:  
• Eileen Vélez-Vega, Secretary of the Department of Transportation and Public Works, Puerto Rico

9:15 A.M. – 10:15 A.M.  Session 5: Community Resilience—Local Partnerships to Solve Global Challenges  
San Geronimo

The global challenge of climate change is a polarizing topic across the nation and world, but communities are taking action to combat it and increase their resilience, even in the absence of support from other agencies. This panel will explore partnerships between universities and other entities that improve communities’ resilience, health, and well-being.

Panelists:  
• Todd Bridges, Senior Research Scientist (ST), Environmental Science, Engineering Research and Development Center, US Army Corps of Engineers  
• Dale Morris (joining remotely), Chief Resilience Officer, Office of Resilience and Sustainability, City of Charleston, South Carolina  
• Efraín O’Neill-Carrillo, Professor, Electrical and Computer Engineering, University of Puerto Rico–Mayagüez  
• Eileen Vélez-Vega, Secretary of the Department of Transportation and Public Works, Puerto Rico

Session Organizers:  
• Donald Leo, Dean, College of Engineering, University of Georgia  
• Bienvenido Vèlez-Rivera, Dean, College of Engineering, University of Puerto Rico–Mayagüez

10:15 A.M. – 10:45 A.M.  Morning Refreshment Break  
San Cristobal DEFG  
Sponsored by The Boeing Company & University of Southern California

10:45 A.M. – 12:00 P.M.  Session 6: Reimagining Engineering Careers  
San Geronimo

This panel will discuss topics relating to student career readiness for a highly dynamic digital workforce. Topics of discussion include student career readiness in entering a highly dynamic digital workforce, early student
engagement with industry, building partnerships with tech-driven industries that impact student career preparation, top-down alignment of career services that leverage industry partnerships, and how to fill gaps in curriculum, practical skills, ethics/professionalism, and leadership, among others.

Panelists:
- **Tim Lee (joining remotely)**, Chief Learning Officer & Co-Founder, CodePath
- **Eva Mejia**, Executive Director of Learning, IDEO
- **P. J. Boardman**, Global Director, STEM Outreach & Workforce Development, MathWorks
- **Cindy Cooper**, Senior Program Officer, The Lemelson Foundation
- **Vanessa Feliberti Bautista**, Corporate Vice President, Microsoft M365 Services Platform Engineering

Session Organizers:
- **Emily Hunt**, West Texas A&M University
- **Donald Leo**, Dean, College of Engineering, University of Georgia
- **John Volakis**, Florida International University

12:00 p.m. – 1:30 p.m. Tuesday Lunch & EDC Business Meeting
San Geronimo
Sponsored by University of Illinois at Urbana–Champaign

Sponsored Speakers:
- **Nancy Amato**, The Grainger College of Engineering, University of Illinois
- **Jonathan Makela**, The Grainger College of Engineering, University of Illinois

Speakers:
- **Jenna Carpenter**, Founding Dean, Professor of Engineering, Campbell University
- **Bevlee Watford**, Associate Dean for Equity and Engagement, College of Engineering, Virginia Tech

1:30 p.m. – 3:00 p.m. Session 7: Industry–University Collaboration and Partnership
San Geronimo

This panel will discuss new industry and university partnerships to create a talent pipeline to increase engineering and computing professionals in areas of future demand. Also, new practices and opportunities will be discussed on how to navigate supply chain limitations to leapfrog toward next-generation solutions.

Panelist:
- **Jeffrey Reed (joining remotely)**, Director of Engineering, Northrop Grumman
- **Carlos Sanchez**, Vice President of Information Technology, NextEra Energy Resources
- **Melanie Spare**, Academic Enablement Director, Siemens Digital Industries Software
- **Brenda Torres**, Site Operations Vice President, Amgen
- **Charlie Ward**, Vice President, Technology, Ultimate Kronos Group
**Session Organizers:**
- Carlos Gonzalez-Miranda, Dean, College of Engineering, Polytechnic University of Puerto Rico
- John Volakis, Dean, College of Engineering & Computing, Florida International University

**3:00 p.m. – 3:30 p.m.**  
**Afternoon Refreshment Break**  
San Cristobal DEFG  
The Boeing Company & University of Southern California

**3:30 p.m. – 5:00 p.m.**  
**EDI Breakout: An Update on ASEE and Its Future**  
San Cristobal D

As many of you know, ASEE has faced some technical and financial challenges in the past year, but with the overwhelming support of the ASEE membership and a wonderful network, we are making our way forward. Please join Jackie El-Sayed, the ASEE Chief Executive Officer, as she shares how ASEE is faring and the steps ASEE is taking into the future.

**Speaker:**
- Jackie El-Sayed, Chief Executive Officer, ASEE

**3:30 p.m. – 5:00 p.m.**  
**EDI Breakout: The Voice of Industry: How Do We Scale Industry–Academic Collaboration?**  
San Geronimo

Join this engaging session led by the ASEE Corporate Member Council (CMC) to explore how we scale academia/industry collaborations together. CMC’s mission is to cultivate dialogue between industry and academic leaders to advance diversity, reform, and collaboration in engineering education. Learn about key CMC initiatives, such as NSF-funded Industry 4.0 deliverables and skills gap research. Engage in breakout groups to discuss how we can accelerate our work together to deliver more agile engineering education to prepare our future workforce. Leave with insights and actions to improve industry collaboration for greater impact on your campus, in your community, and across your network.

**Panelists:**
- Howard Appelman, Associate Technical Fellow, Production Engineering Capability, The Boeing Company
- P. J. Boardman, Global Director, STEM Outreach & Workforce Development, MathWorks
- Fabiola Clayton, Education Program Manager, Design & Engineering, Autodesk

**3:30 p.m. – 5:00 p.m.**  
**EDI Breakout: Presented by Global Engineering Deans Council (GEDC)**  
San Cristobal C

Throughout history, human ingenuity advanced science and created new technologies that have dramatically improved the human condition. Today, we are experiencing another transformative moment through computational technologies such as Generative AI. Because it draws upon both the historical and the global cumulative human experience, it represents a true new commons, the implementation of which requires innovative, courageous, and socially responsible action. This session will explore in a very preliminary way the implications for global engineering, whether in education, research, and innovation.
Opening Spring 2023:
Science and Innovation Center
This state-of-the-art, energy-efficient, 75,000-square-foot facility will include the DeMatteis School departments of Computer Science, Industrial Engineering, and Bioengineering.

Facility features:
- Large makerspace – equipped with a large-scale 3D printer and ShopBot machine – to facilitate prototyping and enhance the first-year engineering experience
- Computer labs: big data, robotics, computer architecture, UNIX system and graphics, virtual reality
- Bioengineering labs, including a tissue culture facility
- Industrial engineering manufacturing lab

Learn more about why the DeMatteis School is ranked in the top 13% of non-PhD-granting engineering schools in the United States. Visit hofstra.edu/engineering.
Panelists:
• Jaime Bonilla, Associate Dean, National School of Engineering & Sciences, Monterey Tech, Mexico
• Babak Dastgheib-Beheshti, Dean, College of Engineering & Computing Sciences, New York Institute of Technology
• Yolanda Gill, Senior Director for Strategic Artificial Intelligence, Information Sciences Institute, University of Southern California

Organizer:
• Yannis C. Yortsos, Dean, The Viterbi School of Engineering, University of Southern California

5:30 p.m. – 7:30 p.m.  EDI Closing Reception
Vista Gazebo/Beach Area
Sponsored by North Carolina State University

Sponsored Speaker:
• Louis Martin-Vega, Dean, College of Engineering, North Carolina State University

Speaker:
• Steven A. Chisholm, Vice President – Mechanical and Structural Engineering, Boeing.

Wednesday, April 19, 2023

1. Old San Juan Walking Tour
ADULT $55; CHILD (4–11) $45
9:30 a.m. – 12:30 p.m. (Tues, Fri, Sat)
2:00 p.m. – 5:00 p.m. (Wed, Thurs)
NOT AVAILABLE SUN & MON
Walk through the magical streets of the Old City and visit the San Juan National Historical District. Enjoy the views of our historical city and indulge in its culture.
Meeting Location: Plaza Colon

2. Morning Kayaks
Adult $65; Child (3+)
$65
8:00 a.m., 9:30 a.m., 11:00 a.m.
This guided adventure begins soon after the sun rises. The morning light and tranquil waters really are a special time to be on the lagoon. And if you’re lucky, you may even spot one of our favorite lagoon locals, the majestic manatee!
Meeting Location: Condado Lagoon

3. Rainforest Foothills & Beach
Adult $89; Child (5–11)
$79
ONLY AVAILABLE: WED, FRI, SUN FROM 9:30 A.M. – 2:30 P.M.
Walk by the banks of the beautiful Mameyes River, cool down in its natural river pool, and get to know the foothills of the rainforest. Your tour includes a 1-hour stop at private land in the foothills of the rainforest. At this location, you will enjoy an easy 10- to 15-minute natural walk and a 45-minute stop to swim in a beautiful rainforest river. Then, enjoy lunch at a local’s favorite restaurant (cost not included) and sunbathe at one of the most spectacular beaches in Puerto Rico.
Note: This tour does not enter the park boundaries of El Yunque National Forest. There are no waterfalls or observation towers on this tour.

4. Bioluminescent Bay Kayaking Adventure
Adult $125; Child (11+)
$125
7:00 p.m. & 9:00 p.m.
Enjoy an exciting paddle through mangroves and discover the amazing plankton that make these waters glow in the dark. This is a once-in-a-lifetime experience, being at one of the most beautiful bioluminescent bays in the world.
Note: Not available during a full moon.
NC State Engineering celebrates 100 years of extraordinary achievement and leadership in discovery, learning, and innovation that have transformed the lives of our students, driven the economy of North Carolina and significantly enhanced our nation and the world.

go.ncsu.edu/engineering100
SPEAKER LIST

Stephanie Adams
Dean, University of Texas–Dallas

Jeff Alderson
Education Product Marketing
MathWorks

Howard Appelman
Associate Technical Fellow

P. J. Boardman
Global Director, STEM Outreach & Workforce Development
MathWorks

Jaime Bonilla
Monterey Tech, Mexico

Keith Bowman
Dean, College of Engineering and Information Technology
University of Maryland–Baltimore County

Todd Bridges
Senior Research Scientist (ST), Environmental Science
Engineering Research and Development Center, US Army Corps of Engineers

Jenna Carpenter
Founding Dean
Campbell University

Richard Cartledge
Cardiothoracic Surgery, Medical Director, Lynn Heart & Vascular Institute,
Boca Raton Regional Hospital, Florida

Fabiola Clayton
Education Program Manager, Design & Engineering
Autodesk

Cindy Cooper
Senior Program Officer
The Lemelson Foundation

Kelly Cross
Assistant Professor
Georgia Institute of Technology

Michael M. Crow
President
Arizona State University

Babak Dastgheib-Beheshti
New York Institute of Technology

Stephanie Farrell
Professor
Rowan University

Vanessa Feliberti Bautista
Corporate Vice President
Microsoft M365 Services Platform Engineering

Amy Fleischer
Dean
California Polytechnic State University–San Luis Obispo

Yolanda Gill
USC Information Sciences Institute

Dave Gutekunst
Program Director, Division of Interdisciplinary Training
National Institute of Biomedical Imaging and Bioengineering

Cuauhtemoc Godoy
Director, Virtual Education and Innovation Learning (VEIL)
Universidad Politecnica de Puerto Rico
Biography Coming Soon

Jacqueline El-Sayed
CEO
American Society for Engineering Education

Scan to view Speaker Biographies
BUILDING THE FUTURE

The $200 million Jen-Hsun and Lori Huang Collaborative Innovation Complex will harness one of the nation’s most powerful supercomputers and team-based research in artificial intelligence, materials science, and robotics to solve global challenges.

Learn more at leadership.oregonstate.edu/cic
At Dartmouth Engineering, we start with people first.

Our human-centered approach to engineering means we not only focus on solving the scientific and technical aspects of the world’s most complex challenges but also on gaining a deeper understanding of the very things that makes humans so wonderfully complex.

1st in gender parity
Among the first major research universities in the U.S. to award more undergraduate degrees in engineering to women.

54% faculty entrepreneurs
More than half of Dartmouth’s engineering faculty have founded start-up companies.

47% female master’s students
Nearly half of the students enrolled in Dartmouth’s master’s degree programs in engineering are women. National average is 30%.

4th in alumni start-ups
Dartmouth ranks among the highest for the number of venture capital-backed alumni start-up companies per capita.

engineering.dartmouth.edu
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<td>Ayanna Howard</td>
<td>Dean, The Ohio State University</td>
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<td>José M. Izquierdo-Encarnación</td>
<td>PORTICUS</td>
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<tr>
<td>Maithilee Kunda</td>
<td>Assistant Professor, Vanderbilt University</td>
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<tr>
<td>Tim Lee,</td>
<td>Chief Learning Officer &amp; Co-Founder, Codepath</td>
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<tr>
<td>Justin C. Major</td>
<td>Assistant Professor, Rowan University</td>
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<tr>
<td>Susan Margulies</td>
<td>Assistant Director, Directorate for Engineering, National Science Foundation</td>
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<tr>
<td>Don Millard</td>
<td>Deputy Assistant Director, Directorate for Engineering, National Science Foundation</td>
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<tr>
<td>Eva Mejia</td>
<td>Executive Director of Learning, IDEO</td>
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<tr>
<td>Dale Morris (joining remotely)</td>
<td>Chief Resilience Officer, Office of Resilience and Sustainability, City of Charleston, South Carolina</td>
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<td>Efraín O’Neill-Carrillo</td>
<td>Professor, Electrical and Computer Engineering, University of Puerto Rico–Mayagüez</td>
</tr>
<tr>
<td>Steve Phillips</td>
<td>Professor and Director, School of Electrical, Computer, and Energy Engineering, Arizona State University</td>
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<td>Julie Pilitsis</td>
<td>Dean, Charles E. Schmidt College of Medicine, Florida Atlantic University</td>
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<tr>
<td>Jeffrey Reed (joining remotely)</td>
<td>Director of Engineering, Northrop Grumman</td>
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<td>Carlos Sanchez</td>
<td>Vice President of Information Technology, NextEra Energy Resources</td>
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<td>Brian Sanders</td>
<td>Associate Professor, College of Aviation, Assistant Dean of Teaching Technology, Embry–Riddle Aeronautical University</td>
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<td>Jessica Silwick</td>
<td>Chief Financial Officer, Chief Operating Officer, ABET</td>
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<td>Melanie Spare</td>
<td>Academic Enablement Director, Siemens Digital Industries Software</td>
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<td>Brenda Torres</td>
<td>Vice President Site Operations, Amgen Manufacturing Limited (AML)</td>
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<td>Betty Vandenbosch</td>
<td>Senior Advisor to the CEO, Coursera</td>
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<tr>
<td>Héctor E. Rodríguez-Simmonds</td>
<td>Instructor, Purdue University</td>
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</tbody>
</table>
Eileen Vélez-Vega
Secretary
Department of Transportation and Public Works, Puerto Rico

Sharon Walker
Dean
Drexel University

Bevlee Watford
Associate Dean for Equity and Engagement
Virginia Tech

Charlie Ward
Vice President, Technology
Ultimate Kronos Group (UKG)

Raimond Winslow
Director of Life Science and Medical Research at Roux Institute
Professor of Bioengineering
Northeastern University

Yannis C. Yortsos
USC Viterbi School of Engineering

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