



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

From Donald Leo and Carlos Gonzalez-Miranda

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 María 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!



Carlos Gonzalez-MirandaDean, College of Engineering
Polytechnic University of
Puerto Rico



Donald LeoDean, College of Engineering
University of Georgia

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 Vèlez-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, Corperate Member Council, Senior Director, Global Academic



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SCHEDULE

Sunday, April 16, 2023

10:00 A.M. - 6:00 P.M. Registration

San Cristobal Foyer A

11:30 A.M. - 1:15 P.M. EDC Executive Board Meeting

San Cristobal B

1:30 P.M. - 2:15 P.M. Public Policy Committee

San Cristobal B

2:30 P.M. - 3:15 P.M. Data Committee Meeting

San Cristobal B

3:30 P.M. – 4:30 P.M. EDC Diversity Committee Meeting

San Cristobal B

3:00 P.M. - 5:00 P.M. New Deans Forum

San Geronimo

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.

Speakers:

- Stephanie Adams, Dean, University of Texas-Dallas
- Amy Fleischer, Dean, California Polytechnic State University-San Luis Obispo
- Ayanna Howard, Dean, Ohio State University
- Sharon Walker, Dean, Drexel University

6:00 P.M. - 8:30 P.M. Welcome Reception at the Polytechnic University of Puerto Rico,

Sponsored by Florida International University and Polytechnic University of Puerto Rico

Transportation to University

Busses depart from the Caribe Hilton at 6:00 p.m

Sponsored Speakers:

• **John Volakis,** Florida International University & Carlos Gonzales, Polytechnic University of Puerto Rico

Monday, April 17, 2023

8:00 A.M. – :500 P.M. Registration

San Cristobal Foyer A

Exhibits

San Cristobal DEFG

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

9:30 A.M. — 10:15 A.M.

Session 1: : Engineering, Computing, and Medicine 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

EDI 2023



Our Pedigree Speaks for Itself

As the 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.





SCHEDULE

San Cristobal DEFG

Sponsored by Mouser Electronics & The Boeing Company

10:45 A.M. – 12:00 P.M. 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
- Fabíola 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

12:00 P.M. — 1:30 P.M.

Monday Lunch, Sponsored by Dassault Systems

San Geronimo

José M. Izquierdo-Encarnación, Owner, PORTICUS

Sponsored Speaker:

Xavier Fouger, Learning Centers & Programs Senior Director, Dassault

1:45 A.M. — 3:00 P.M.

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



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



SCHEDULE

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
- Efrain 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 discus 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



SCHEDULE

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
- Fabíola 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.

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- Industrial engineering manufacturing lab



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Fred DeMatteis
School of Engineering
AND Applied Science

SCHEDULE - TOURS

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 Soutern 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 \$65

A.M. — 12:30 P.M. (TUES, FRI,

SAT) 8:00 /

2:00 P.M. — 5:00 P.M. (WED,

THURS) begi

NOT AVAILABLE SUN & MON sun

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 Condado Lagoon 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.



100 years of engineering

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.

SPEAKER LIST



Stephanie Adams Dean, University of Texas-Dallas



Jenna Carpenter Founding Dean Campbell University



Stephanie Farrell Professor Rowan University



Jeff Alderson Education Product Marketing MathWorks



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



Vanessa Feliberti Bautista Corporate Vice President Microsoft M365 Services Platform Engineering



Howard Appelman Associate Technical Fellow



Fabíola Clayton Education Program Manager, Design & Engineering Autodesk



Amy Fleischer Dean California Polytechnic State University-San Luis Obispo



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



Cindy Cooper Senior Program Officer The Lemelson Foundation



Yolanda Gill USC Information Sciences Institute



Jaime Bonilla Monterey Tech, Mexico



Kelly Cross Assistant Professor Georgia Institute of Technology



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



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



Michael M. Crow President Arizona State University



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



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



Babak Dastgheib-Beheshti New York Institute of Technology



Jacqueline El-Sayed CEO American Society for Engineering Education

Scan to view Speaker Biographies





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in gender parity

to women.

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faculty entrepreneurs

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47%

female master's students

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in alumni start-ups Dartmouth ranks among the highest for

the number of venture capital-backed alumni start-up companies per capita.

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SPEAKER LIST



Ayanna Howard Dean The Ohio State University



Eva Mejia Executive Director of Learning IDEO



Carlos Sanchez Vice President of Information Technology NextEra Energy Resources



José M. Izquierdo-Encarnación PORTICUS



(joining remotely)
Chief Resilience Officer, Office of Resilience and Sustainability
City of Charleston,
South Carolina

Dale Morris



Brian Sanders Associate Professor, College of Aviation Assistant Dean of Teaching Technology Embry-Riddle Aeronautical University



Maithilee Kunda Assistant Professor Vanderbilt University



Efraín O'Neill-Carrillo Professor, Electrical and Computer Engineering University of Puerto Rico-Mayagüez



Jessica Silwick Chief Financial Officer Chief Operating Officer ABET



Tim Lee, Chief Learning Officer & Co-Founder, Codepath



Steve Phillips Professor and Director, School of Electrical, Computer, and Energy Engineering Arizona State University



Melanie Spare Academic Enablement Director Siemens Digital Industries Software



Justin C. Major Assistant Professor Rowan University



Julie Pilitsis
Dean, Charles E.
Schmidt College of
Medicine
Florida Atlantic University



Brenda Torres Vice President Site Operations Amgen Manufacturing Limited (AML)



Susan Margulies Assistant Director, Directorate for Engineering National Science Foundation



Jeffrey Reed (joining remotely) Director of Engineering Northrop Grumman



Betty Vandenbosch Senior Advisor to the CEO Coursera

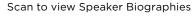


Don Millard
Deputy Assistant
Director, Directorate
for Engineering
National Science
Foundation



Héctor E. Rodríguez-Simmonds Instructor Purdue University





SPEAKER LIST



Eileen Vélez-Ve-Secretary Department of Transportation and Public Works, Puerto Rico



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



Yannis C. Yort-USC Viterbi School of Engineering



Sharon Walker Dean Drexel University



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



Scan to view Speaker Biographies



Associate Dean for Equity and Engage-Virginia Tech







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THANK YOU

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VISIONARY







LEADERSHIP









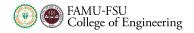






INNOVATION





















Industry Driven Experiential Learning

Through one of the nation's only mandatory co-op programs, University of Louisville engineering students start making their mark on the world before they even graduate. Students may select from four co-op tracks: Traditional, Research, Internship,

or Global Engineering to carve their pathway while earning their degree. UofL's Speed School collaborates with more than 300 company partners to help build a workforce-ready pipeline of qualified applicants through industry-influenced freshmen projects, senior design capstone projects, and three paid co-op rotations that are enriched by industry 4.0 skill integrations.



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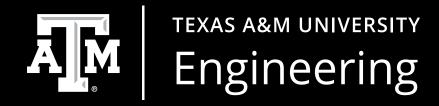






We're educating and equipping students for the ever-evolving workforce.

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2023.fie-conference.org

