MESSAGE FROM THE DEAN

In the month of March, students in the College of Engineering (CoE) get ready for a myriad of spring activities. They are gearing up for the second annual Neural Engineering Symposium, April 2-3, at the Lois Pope Life Center. The symposium will analyze how neural engineering develops new clinical technologies for assessing neurological function and treating diseases.

The College also is looking forward to welcoming Jeffrey L. Duerk, executive vice president and provost for University of Miami, to the Strategic Research Initiative Seminar Series on Tuesday, April 2, 2018, at 6:00 p.m. to talk about “Interdisciplinary Teams: Lessons Learned from the Technical Development and Clinical Application of Magnetic Resonance Imaging.” For all of those unable to attend this seminar in person, a Livestream of the event will be available starting at 6:00 p.m. Click here to watch and feel free to ask questions in the comments section.

March also means MADNESS IN MARCH - the UM School and College Giving Challenge. Your gift this month could lead to an additional $5,000 to $10,000 for our students who are striving toward getting a transformational engineering education. Help put us in the lead!

Jean-Pierre Bardet
Dean and Professor
University of Miami Celebrates the Contributions Engineers Make Everyday

This year’s Engineers Week (E-Week) celebrated how engineers continue to make a difference in our world by increasing knowledge about the need for engineers and bringing engineering to life for kids, educators, and parents. E-Week hosted a number of signature events, including the UM chapter of the Society of Women Engineers' (SWE) Introduce a Girl to Engineering Day and a coastal clean-up that removed more than 200 pounds of garbage from Biscayne National Park. These were just a few of the E-Week programs at the U.

The Perfect Marriage: NAE-NAM Symposium Examines Promise of Engineering-Medical Partnerships

The first regional joint NAE-NAM symposium at the University of Miami examined the promise of engineering-medical partnerships that will play a critical role in improving health care, creating revolutionary medical devices and developing new ways to conduct research.
**Research and Faculty**

Electrical and Computer Engineering Researchers Receives U-LINK Funding for Proposal Addressing Online Extremism, Hate Speech

Kamal Premaratne, professor of Electrical and Computer Engineering, and Manohar Murthi, associate professor of Electrical and Computer Engineering, received funding from the University of Miami’s Laboratory for Integrative Knowledge (U-LINK) for their interdisciplinary proposal aimed to address the rapid rise of online extremism and hate-speech.

Antonio Nanni Honored with 2018 Joe W. Kelly Award from ACI

Antonio Nanni, PhD, professor and chair of the Department of Civil, Architectural and Environmental Engineering, was honored with the 2018 Joe W. Kelly Award from the American Concrete Institute (ACI), recognizing his “exemplary achievement, groundbreaking research, and service to ACI and the concrete industry.”
Smart Energy for the Smart Cities: UMCoE Associate Professor and the City of Coral Gables Receive 2018 Bloomberg Challenge Award

Nurcin Celik, an associate professor in the University of Miami (UM) College of Engineering’s Department of Industrial Engineering and director of the Simulation and Optimization Research Laboratory (SimLab), and her joint proposal with the City of Coral Gables have been selected for funding by the 2018 Bloomberg Challenge to uncover bold, inventive ideas that confront the toughest problems the city faces.

Collaborative Research to Eliminate Muscle Spasms Caused by Spinal Cord Injuries

Continuous muscle contraction is a common and frustrating consequence of spinal cord injuries (SCI). Jorge Bohorquez, an associate professor in practice in the University of Miami (UM) College of Engineering’s Department of Biomedical Engineering, is working with the Department of Neurological Surgery at UM’s Miller School of Medicine (MSOM) to manage muscle spasms using tendon vibrations and ultimately understand the spinal circuits responsible for the spasms.
Distinguished Engineering Professor Daniel Berg Talks Operations Research

Interdisciplinary Research Grant Will Help Engineer Coastal Resilience Through Reef Restoration

UM Researches of Microbial Symbiosis Unite Through U-LINK
Concrete Steps in Sustainability

Approximately 180 billion gallons of freshwater a year are used to produce concrete. UM Doctoral Candidate in Engineering, Seyedmorteza “Morteza” Khatibmasjedi, is working with the SEA-CON project to make construction materials, like concrete, more sustainable.

Engineering Students Geared Up to Judge the 64th Annual South Florida Regional Science and Engineering Fair and SECME Olympiad

Thirteen University of Miami College of Engineering (UMCoE) students served as judges at the 64th Annual South Florida Regional Science and Engineering Fair and the Science, Engineering, Communication, Mathematics and Enrichment (SECME) Olympiad.
Industrial Engineering Graduate Student Honored by Toppel Career Center

Busra Keles, a PhD candidate in the Department of Industrial Engineering (IEN), was honored with the Graduate Student of the Year award at this year's Toppel Awards. The award recognizes Keles' work in the Anthony Burns Center for Advanced Supply Chain Management (CASC).

ACI Student Chapter – UM Receives the Excellent University Award

The University of Miami has been named an American Concrete Institute (ACI) Excellent University. The award is considered "the highest ACI Award for University Student Activities."

Student Ambassador Profile: Isaac Furtney, MSECE ’18

Student Ambassador Profile: Sea Amundsen, BSCpE ’19

Studying Abroad as an Engineer: Joseph Reda ’18

Society of Women Engineers Building a Brighter Future
Alumni Panelists Share Insight on What Their Jobs Really Entail

CoEAA President Andrew Doyle (BSIE ’08) moderated a panel discussion with Fiolina Burnett (BSCPE ’97, MBA ’02, MSIE ’02), Joaquin Moreyra (BSIE ’12, MSIE ’12), Dennis Parces (BSCE ’94), and Nicole Samec (BSBE ’15, MSBE ’15) on February 13 at the Shalala Student Center. The group shared their personal experiences navigating the internship and career search process with about 30 engineering students.

Joseph “Joe” King, BSEE ’74

In the First Black Graduates Project video, Joe reminisces about his time at UM and now being called a UTrailblazer. Click here to watch the video.
Call for Leadership

We are looking for enthusiastic and dedicated volunteers who want to become actively involved in the CoE Alumni Association Board of Directors for the 2018-2019 term. Positions within our leadership team include president-elect, vice president, secretary, treasurer and 20 board of directors positions. To apply, please click here. The deadline for submission is April 30, 2018.

Toppel Career Center UShadow Program

Engineering alumni are invited to educate, empower and inspire. Volunteer as a host for the Toppel Career Center’s UShadow Program and make an impact on the professional development of a CoE student. Contact Carly Smith, associate director for career readiness, at carly@miami.edu or 305-284-5451.

ALUMNI NOTES

Christopher K. Kitterman, BSBE ’09, is a pediatrician at the Florida-based Community Health Centers of Pinellas. He completed his residency at Palms West Hospital.

Share the latest updates on your life with other College of Engineering alumni. Submit your alumni note to coealumni@miami.edu.
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<tr>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>Mar 19</td>
<td>12:00 pm</td>
<td>Lunch and Learn: How to Build a Data Analysis Pipeline</td>
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<tr>
<td>Mar 23</td>
<td>11:30 am</td>
<td>2018 HuRRI Seminar Series</td>
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<td>Mar 24</td>
<td>8:30 am</td>
<td>Life Sciences South Florida STEM Undergraduate Research Symposium</td>
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<td>Mar 27</td>
<td>5:00 pm</td>
<td>UM’s Research, Creativity, and Innovation Forum</td>
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<tr>
<td>Apr 02</td>
<td>6:00 pm</td>
<td>CoE Strategic Research Initiatives Seminars – Provost Jeffrey L. Duerk</td>
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<tr>
<td>Apr 02</td>
<td>9:00 am</td>
<td>2018 Neural Engineering Research Symposium</td>
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