MESSAGE FROM THE DEAN

With the spring semester in full swing, we can feel excitement and promise. We have held several workshops and events on student-learning and engineering education. Next week, we celebrate Engineers Week, the annual national event recognizing how engineers make a difference in our world. Visit our website to find out what is happening. We look forward to sharing all of the successes coming out of the College.

Jean-Pierre Bardet
Dean and Professor

RESEARCH AND FACULTY

Focused on Integrating Oceans and Human Health
Helena Solo-Gabriele, CoE professor and associate dean for research, and an interdisciplinary team of researchers was awarded a Phase II grant from the UM Laboratory for Integrative Knowledge (U-LINK) for their research project that could make a difference in the lives of millions of Floridians.

Hosting First Annual Teaching and Learning Innovation in STEAM (TALIS) Day
The first annual Teaching and Learning Innovation in STEAM (science, technology, engineering, arts and mathematics) day – also known as TALIS, featured an outstanding keynote address, a fireside chat between Jeffrey L. Duerk, UM executive vice president for academic affairs and provost, and student leaders, as well as faculty and teaching assistant presentations outlining innovation in the classroom.

IN THE NEWS

Dr. Pinchuk Awarded Prestigious NAE Prize for Innovations in Bioengineering
Congratulations to College of Engineering (CoE) alumnus Leonard Pinchuk, MSBE ’79, PhD ’84, who has been awarded the 2019 Fritz J. and Dolores H. Russ Prize from the National Academy of Engineering (NAE) for his innovative contributions to the field of bioengineering.

Exploring Augmented Reality, Spatial Computing in the Classroom
Three engineering faculty joined an interdisciplinary group of faculty members across the university to begin their journey into transforming the learning experiences of their students using augmented reality and spatial computing with the University of Miami (UM) Faculty Learning Community (FLC).

STUDENTS AND SPRING ACTIVITIES

Engineering Innovation
In fall 2018, a new course entitled “Introduction to Innovation in Engineering” was offered to freshman Foote Fellows, introducing students to the process of creating innovations by combining basic engineering with marketing principles, which many students are not exposed to the concepts until junior or senior years.

Pitched His Passions
Engineering PhD candidate Thomas Cadenaazzi spent a year studying a newly engineered “everlasting” bridge that is able to withstand corrosion. This is just one of a few topics that University of Miami graduate students have investigated in their thesis and dissertation projects for the Graduate School’s third annual Three-Minute Thesis Competition.

For more information, please visit coe.miami.edu/news
Alums Return for Fall Commencement
Three CoE alumni served as marshals during the fall 2018 commencement ceremonies. Carlos Alvarez, BSME ’94, a medical technologies executive, Raul Murciano, Jr., BSCE ’91, MM ’94, DMA ’97, a longtime Rosenstiel School of Marine and Atmospheric Science and CoE faculty member, and Randall Sookoo, BSCPE ’03, vice-president of the CoE Alumni Association (CoEAA), showcased the lifelong engagement with their alma mater.

Alumnus Profile: Carlos Lowell, BSME ’94
Carlos Lowell’s confidence and enthusiasm as he speaks makes financial planning, an intimidating task to most, sound exciting and even easy. He provides financial guidance to athletes while staying committed to South Florida community. ‘‘Getting involved is my small way of helping keep the people and places that make [the community] vital and vibrant,’’ said Lowell.

Support 2019 Senior Design Expo with a Corporate Sponsorship
Support the CoE by featuring your company as a sponsor of the 2019 Senior Design Expo (SDE). The SDE event showcases capstone projects presented by 250 senior students across all five engineering departments. Teams transform what they learn in the classroom into real-world solutions. Sponsoring the event provides your company with exposure to a diverse and talented group of undergraduate engineers. For more information on sponsorship, please contact Lisa Merritt, executive director of development, at lmerritt@miami.edu.

Dean Presents at Tampa Synapse Summit
Dean Jean-Pierre Bardet traveled to Tampa for the annual Synapse Summit, where he introduced keynote speaker Omar Khan, chief product officer for Magic Leap, and was featured on the Immersive Technologies in Education panel. Alumnus Viral Toltar, BSEE ’83, discussed how artificial intelligence is reshaping business. The CoE also co-hosted a reception with the School of Architecture for alumni and friends at the new offices of Gensler. We look forward to returning on July 25, for the Florida Engineering Society Annual Conference in St. Petersburg, Florida. For more information about becoming a corporate capstone partner, please visit coe.miami.edu/capstone.

CoEAA ‘Family Fun Day’ Presented at Board Meeting
A. Robert Weaver, BSME ’08, JD ’11, president of the CoEAA, presented at the UM Alumni Association’s Spring Board Meeting on January 18. He shared his best practices for affinity group engagement, including the highlights from last year’s Madness in March Kickball Tournament. Save the date for Sunday, April 7, for the CoEAA Family Fun Day!

Connecting with Houston CoE ‘Canes Community
William Restrepo, BSCE ’82, visited the CoE while in town from Houston and was greeted by Dean Jean-Pierre Bardet. Representatives from the University of Houston were concurrently visiting for the HuRRI seminar. CoE lecturer Ericson de Paula has been traveling to Houston often and had the pleasure of meeting parents Kamoru and Dina Lawal. He looks forward to an upcoming visit with Geoffrey Roberts, BSCE ’82.