MESSAGE FROM THE DEAN

The 2018-2019 school year will be an exciting time as we continue engaging in new opportunities and partnerships.

We kicked off the semester by highlighting the vast scope of the College’s research at our First Annual Research Day – where faculty and students showcased their research. Next, we will be welcoming the first Strategic Research Initiatives Seminar speaker of the semester, Sergey Lopatnikov, who will discuss the mechanics of penetrable porous materials.

I look forward to seeing all of you on campus and hope you share the same excitement as I do about the promise of this academic year.

Jean-Pierre Bardet
Dean and Professor

RESEARCH AND FACULTY

Studying Playtime at the Beach
A UMCoE-led study is examining how children’s play behavior at beaches could impact their health. Helena Solo-Gabriele, a professor of environmental engineering, is lead investigator of the Beach Exposure and Child Health Study, or BEACHES, documenting in detail the behavioral play patterns of children at beaches in Florida and Texas.

Fuel Cells are the Future of Zero Emission Motor Vehicles
Hongtan Liu, a professor in the College of Engineering’s Department of Mechanical and Aerospace Engineering, and a team of researchers are collaborating to make fuel cells more efficient and affordable. By doing so, they aim to make fuel cell vehicles more attractive to consumers, ultimately replacing conventional vehicles that run on gasoline or diesel.

IN THE NEWS

Team Sonify: Engineering Students Place in Worldwide Blockchain Coding Competition Hosted by Pitbull
A team of engineering students captured second place in a worldwide blockchain coding competition hosted by Pitbull. Sonify, which took top honors at the 2018 College of Engineering Senior Design Expo last April, employs blockchain digital technology to fully automate transactions with artist records and remove any middleman services.

UMCoE Celebrates First Annual Research Day
More than 40 presentations from University of Miami College of Engineering (UMCoE) faculty, practitioners and students were presented and another 40 posters were on display in the First Annual UMCoE Research Day, highlighting the vast scope of the College’s research.

A New Remedy for a Common Injury: Curing Menisci Tears with Bioengineering
Meniscus tears are among the most common type of knee injuries. Athletes, particularly those who play contact sports, are at great risk. That’s why Assistant Professor’s Alicia Jackson and Francesco Travascio are leading an interdisciplinary team of scientists from the College of Engineering and the University of Miami’s Miller School of Medicine to develop a novel, long-lasting treatment for meniscus tear repair.

Power to the People
Recognized by former President Obama, University of Miami - College of Engineering Associate Professor Nurcin Celik is studying ways to make cities more resilient, advancing smart-energy technology so that catastrophes like earthquakes and storms won’t cripple their critical infrastructure.

For more information, please visit coe.miami.edu/news
STUDENTS AND FALL ACTIVITIES

Students Bring Innovation to Life in New UMaker Organization

“During the 2017 fall semester I searched for a robotics organization in UM and found nothing available to undergraduate students,” explains Sebastian Gallo (BSBE ’19), president and co-founder of UMaker. Over the span of a few months, UMaker has become much more than a robotics-based organization – blending robotics, Computer-Aided-Design (CAD), 3D printing, and microcomputers to guide those who have an idea but do not know where to begin.

Two Engineering Canes Named UST-FCCCA All-Academic

Two engineering students were among the eight members of the University of Miami track and field program who received All-Academic honors for the 2017-2018 NCAA Division I Indoor and Outdoor Track and Field seasons, as announced by the U.S. Track & Field and Cross Country Coaches Association (USTFCCCA).

Four Engineering Students Compete in Nationally Televised Make48 College Challenge

Four engineering students competed in the Make48 College Challenge — a competition in which contenders have 48 hours to come up with an idea for a product and to create a physical prototype.

Engineering PhD Student Receives Prestigious NIH Predoc Fellowship

Matthew Ishahak (PhD candidate, BME ’19, BS/MS BME ’15), has been awarded a prestigious fellowship from the National Institutes of Health (NIH). The award will provide Ishahak with research training in specified health and health-related areas leading toward his research doctoral degree.

ALUMNI AND DONORS

SWE Spark Night 2018 Connects Students and Alums

The University of Miami Chapter of the Society of Women Engineers (SWE) and the College of Engineering (CoE) hosted their Seventh Annual SPARK Night, where esteemed alumnae from all engineering disciplines welcomed female freshman and transfer students, who had the opportunity to meet faculty members, peer mentors and alumnae, and hear about their experiences – from the classroom to the workplace.

Announcement of 2018-2019 CoEAA Board of Directors

Newly elected President of the CoEAA, Rob Weaver (BSME ’08, JD ’11), facilitated the group’s first meeting of the year, including five executive directors, 12 board directors, three ex-officio officers, and four nominated directors. The board will be coordinating popular events such as a ‘Canes Football Watch Party, volunteer projects, Family Kickball and Homecoming Breakfast.

CoE Hosts Second Annual Alumni Reception at FES

The College of Engineering (CoE) hosted a reception at the annual Florida Engineering Society conference in Marco Island, where an estimated 60 friends of The U joined Dr. Antonio Nanni, Dr. Matthew Trussoni and CoE Alumni Association President Rob Weaver for networking, reconnecting and making new friends. CoE thanks our reception sponsors and alumni John Hall (BSCE ’74), Gregory Jeffrey (BSCE ’76) and Juan Fuentes (BSAE ’00, BSCE ’00).

Highlighting the UM Alumni Association App

Download the free UM Alumni Association (UMAA) App in the Apple App Store or Google Play to access alumni benefits, engage with fellow alumni in your ‘Canes Community, receive updates and information on events, and join the digital College of Engineering Alumni Association group.