MESSAGE FROM THE DEAN

As we wrap up fall semester, we can take a look back and celebrate all of our accomplishments, as well as look forward to 2019.

Thank you to all of the faculty, staff, alumni and friends of the College for making this yet another outstanding year. The future of our College is bright and each of us plays an integral part.

Wishing you a wonderful holiday and Happy New Year. Go ‘Canes!

Jean-Pierre Bardet
Dean and Professor

IN THE NEWS

Experiencing the ‘Magicverse’

Over the course of three days, University of Miami faculty, staff and students stopped by the Korach Gallery and Wellness Center to learn what Magic Leap is all about. Throughout the week, the startup company hosted a variety of spatial computing demonstrations, which included a life-like Shakespeare performance and a trip inside a brain.

Learning and Teaching: Participating in the European Institutional Evaluation of the University of Costa Rica

Derin Ural, professor in practice in the Department of Civil, Architectural and Environmental Engineering (CAE) and associate dean for student affairs, visited the University of Costa Rica as part of the European University Association (EUA) Institutional Evaluation Program (IEP) to complete an evaluation of the University.

RESEARCH AND FACULTY

Protecting Coastline Structures and Conserving the Environment

Landolf Rhode-Barbarigos, assistant professor in CAE, is currently working with Antonio Nanni, professor and chair of CAE, and the Rosenstiel School of Marine and Atmospheric Science and in collaboration with the Florida Department of Transportation, to provide a shoreline protection system that effectively dissipates the impact of waves while providing a hospitable environment for native species.

Shielding Astronauts from Radiation

With funding from the Defense Advanced Research Projects Agency, Victoria Coverstone, professor and chair of the Department of Mechanical and Aerospace Engineering (MAE), is investigating how to generate magnetic shields to protect astronauts from radiation.

Improving Quality and Service in the Healthcare Industry

Vincent K. Omachonu, professor in the Department of Industrial Engineering (IEN), wrote a book discussing how to manage performance in the context of value to the customer or patient for businesses in the healthcare industry.

Extracting and Using Stem Cells from Adult Neural Crest-Derived Tissues

Herman S. Cheung, James Knight professor in the Department of Biomedical Engineering (BME), and a team of researchers recently published a patent that will extract and use stem cells from adult neural crest-derived tissues.

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

**Funding for Hybrid Rocket Project**
Alec Yenawine, a graduate research assistant in the Department of Mechanical and Aerospace Engineering (MAE), received funding from the Florida Space Grant Consortium (FSGC) for his work to improve and support the development of hybrid rocket engine technologies.

**Fast-Charging Batteries at Oak Ridge National Laboratory**
University of Miami engineering student Swati Narasimhan, BSME ’19, contributed to energy storage research at the Battery Manufacturing Facility (BMF) while participating in the Science Undergraduate Laboratory Internship (SULI) program at Oak Ridge National Laboratory (ORNL).

**ALUMNI AND DONORS**

**Largest Attendance at CoEAA Homecoming Breakfast**
More than 250 alumni, faculty, staff, students, and industry partners attended the 2018 College of Engineering Alumni Association (CoEAA) Homecoming Breakfast & Awards on November 2, at the Watsco Center.

**Giving Story: Eliahu Jury**
College of Engineering Alumni from the 1980’s in the Department of Electrical and Computer Engineering (ECE) were fortunate to learn from Eliahu Jury, a renowned academician who initiated the field of discrete-time systems, pioneered Z-transforms, and created the “Jury stability test.”

**CORPORATE PARTNERS**

**Advisory Board Meeting**
The College of Engineering Board of Directors were treated to a sneak peak of the Magic Leap One during the fall board meeting on November 8, 2018. Board Chair Ed Williamson said, “The difference between artificial reality and augmented reality is dramatic. Each is fascinating, but augmented reality will have many more uses.” Dean Bardet also presented recent accomplishments of the College, including the improvement in the U.S. News and World Report rankings.

**8base and UHack**
The local startup company 8base Inc., founded by serial entrepreneur and College of Engineering (CoE) alumnus Albert Santalo ’86 was a proud sponsor at the 2018 UHack. 8base is on a mission to democratize software development by enabling anyone to build powerful business solutions. Amazon gift cards were awarded to the team with the best use of the 8base platform, ranging from a fitness competition app to a real estate browsing app. For more information about becoming a corporate capstone partner, please visit coe.miami.edu/capstone.

**Alumni Profile: Chris Jones, BSEE ’05**
Read more about Chris Jones, BSEE ’05, project manager for HNTB in Washington D.C. and a loyal College of Engineering alumnus, who wanted to give back to the National Society of Black Engineers (NSBE) Chapter by creating the Black Engineering Travel Fund.

**Volunteer with the CoEAA This Holiday Season**
Alumni are cordially invited to join fellow Engineering ‘Canes for a day of service on December 15, from 9 a.m. until 12 p.m., sorting and organizing donated toys during the Amigos for Kids 26th Annual Holiday Toy Drive at the El Do...