

2016 ENGINEERING FACULTY PROFESSIONALISM AWARD

E. R. DesOrmeaux, P.E., F.ASCE

The recipient of this year's award is E. R. DesOrmeaux for the University of Louisiana at Lafayette. He is an Assistant Professor in the Civil Engineering Department, also assisting faculty and students in the School of Architecture and Design. His teaching responsibilities include Construction Engineering and Management courses, the Senior Civil Engineering Capstone Design Course, and structural engineering courses for architects. He is a registered engineer in Louisiana since 1964. He has been a member of LES and NSPE since 1964, and received the 1973 LES Award of Merit. He was the LES Lafayette Chapter President in 1973-74. He is an active member in ASCE, a past Louisiana Section President, and recently completed a 5-year term as a Governor of Region 5, comprised of Louisiana, Mississippi, Alabama, and Florida.

Currently, he is member of the ASCE National Committee on Professional Conduct. In 2010, he received the Louisiana Outstanding Civil Engineer Award, and in 2012 was named to the LA ASCE Wall of Fame. In 1977, he was awarded the Outstanding Alumni Award for the University. He served a two year term as UL Alumni President. Since his graduation in 1963, he worked for seven years in a consulting firm, three years as the Chief Operating Officer of a fabrication firm, and in 1972 began a career in commercial and industrial construction. His professional memberships include NSPE, ASCE, and ACI. Additionally, he is the Faculty Advisor for the UL ASCE Student Chapter, and the UL Chi Epsilon Civil Engineering Honor Society.

Throughout his career, he has been an active Lafayette community member, serving at various times as President of the Acadiana Arts Council, Lafayette Toastmaster's Club, and a Trustee of St. Pius X Church, a Board Member of the Greater Lafayette Chamber of Commerce, University of Louisiana Foundation, Boys & Girls Club of Acadiana, and the Lafayette Economic Development Authority. From 1985 - 1992 he served as a Special Consultant to the Mayor and City Council of Lafayette. His work has also included an active involvement in the development of a residential subdivision, a town-home development, a golf course and residential community, and numerous commercial office buildings. In past years, he was selected to give the Commencement Address to the UL College of Engineering on several occasions.

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Beth Collins Hegab, P.E., DBA

The recipient of this year's award is Beth Collins Hegab. Dr. Hegab was born in Landstuhl, Germany, and raised in Miami, Florida. She earned a Bachelor of Industrial Engineering in 1990 and a Master of Science in Industrial Engineering in 1991 from the Georgia Institute of Technology. She earned a Master of Business Administration in 2004 and a Doctor of Business Administration in 2009 from Louisiana Tech University. She became a registered professional engineer in Louisiana in 1997.

Beth is a Lecturer and Program Coordinator for Louisiana Tech University in the College of Engineering and Science. She has been a member of the industrial engineering faculty for 12 years, teaching at both the undergraduate and graduate levels. For the last 6 years, Beth has been the program coordinator for the Engineering and Technology Management program. She has been instrumental in making this degree available online and increasing the size of the program by 450%. She has also been instrumental in developing Six Sigma Green Belt and Six Sigma Black Belt certification programs that are offered at the undergraduate and graduate levels. Beth has been awarded the College of Engineering and Science Outstanding Teaching award and Outstanding Service award. Beth also serves as the advisor for the Alpha Pi Mu honor society.

Before working in academia, Beth worked as a software consultant for Electronic Data Systems. She also worked as an engineering coop for Northern Telecom Electronics.

Beth has served as the Math Counts coach for A.E. Phillips Laboratory School for 8 years. In 2015, the A.E. Phillips team won second place in the Louisiana competition and one of the team members competed at the national competition.

Beth has been married to Hisham Hegab for 23 years. They have three children, Rachel 18, Nathan 16, and Sarah 14. They are foster parents and are currently taking care of a one-year-old girl. They are active members of Trinity United Methodist Church where Beth serves on committees at the children's, youth, and adult levels. The Hegab family lives in Ruston.

2016 VINCENT FORTE FELLOWSHIP SCHOLARSHIP AWARD

Ashley Picou Mikolajczyk

The recipient of this year's award is Ashley Picou Mikolajczyk. Ashley graduated from the University of Louisiana (UL) at Lafayette in May 2013 in chemical engineering with a GPA of 3.782. During her undergraduate, she was involved in many leadership positions:

Cataloguer and President of the engineering honor society, Tau Beta Pi, Event Coordinator of the student chapter of Louisiana Engineering Society, Ambassador for the student chapter of the American Institute of Chemical Engineers, active member of the chemical engineering honor society, Omega Chi Epsilon, and Director of the Engineering Ambassadors Program. (Ambassadors are chosen to represent the College of Engineering with pride. They inform students, parents, teachers, and the general public about the impact of the fields of engineering at UL on society). She also was part of Designing Leaders program, a volunteer based experience to provide students an opportunity to develop stronger leadership skills (students are selected based on academic achievements and involvements in the community).

Ashley was provided the opportunity to conduct undergraduate research, specifically in the production of lipids from *Lipomyces starkeyi* from sweet potato starch. Lipids could be used to produce biofuels. This initiated her interest in graduate school. After graduation, she started graduate school immediately in the summer of 2013. Her first project was a service project, partnered with the Louisiana Department of Wild Life and Fisheries and a local alligator farm. The objective of the project was to create an alligator feed to increase the reproductive performance of captive alligators. She was also one of the lead investigators of Vertech City, an international student competition held in Victoriaville, Quebec, Canada. In her own words, "Our project was titled "Waste to Watts: Positioning Urban-Based Wastes as Valuable Feedstocks to Fuel and Specialty Chemicals." We placed third out of 42 teams."

She is actively involved in the Association of Future Alumni, which is a volunteer, outreach program for current students and alumni. Her research as a graduate student consists of physically recovering oil and grease (lipids) from wastewaters – domestic and industrial, for use as biofuel production or as raw materials for other chemical products. And during graduate school, she maintained a 3.926 GPA and was recently appointed as an instructor.