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FROM THE DEPARTMENT CHAIR

A letter from George Z. Voyiadjis



I am pleased to announce two new inductees into the LSU Department of Civil and Environmental Engineering's (CEE) Hall of Distinction. Dr. Akram N. Alshawabkeh, Snell Professor of Engineering and Associate Dean for Research (College of Engineering) at

Northeastern University, is a 1994 graduate of our doctoral program. Janice Poplin Williams, Chief Engineer of the Louisiana Department of Transportation and Development (DOTD), earned her Bachelor's in Civil Engineering from LSU in 1985. Both of our 2016 inductees, recognized at our annual banquet, are great examples of engineering excellence.

The CEE department also recently welcomed four new members to our external advisory board: Michael G. Cullen (Boh Bros. Construction Co., L.L.C.), Robert Rowlette, Jr. (Evans-Graves Engineers, Inc.), Gene Wager (Turner Industries) and Miles Williams (Sigma Consulting Group). Members of the board represent the breadth and scope of the civil and environmental professional community and meet regularly with the department to provide valuable input and feedback.

This fall semester, we will welcome three new assistant professors to our environmental group. Dr. Samuel Snow will be joining us from Michigan State University, Dr. Zimeng Wang from Stanford University and Dr. Xiuping Zhu from Pennsylvania State University. In the fall edition of our newsletter, we will highlight their research in more detail.

At the time that this newsletter is being finalized, the department is preparing for our big move to the renovated side of Patrick F. Taylor Hall. The sound of tape guns can be heard down our halls, boxes are stacked in almost every corner, and tongue-in-cheek "eviction" signs are posted on our doors. We look forward to our new space and ask that you stay tuned to our website and Facebook page for updates regarding new office locations. As always, we welcome you to visit next time you are on campus.

Sincerely,
Dr. George Z. Voyiadjis
*Boyd Professor, Chair
Bingham C. Stewart
Distinguished Professor*

ALUMNI REGISTRATION & UPDATES

The Department of Civil & Environmental Engineering is always interested in how our alumni are doing. We hope you will take the time to send your updates to jmueller@lsu.edu or, if you prefer, you can "snail mail" them to:

Department of Civil and Environmental Engineering
Louisiana State University
Attn: Julie Mueller
3325 Patrick Taylor Hall
Baton Rouge, LA 70803-6405

Please include basic information such as your full name, year of graduation, degree, mailing address, email address, telephone number, company, and your title/position. For your update, please include information on your recent professional and personal developments, along with a high-quality photo, if available.

Thanks for staying in touch!

To connect with the LSU College of Engineering, please visit www.eng.lsu.edu/alumni/update

IN THIS ISSUE



LSU ASCE COMPETES AT DEEP SOUTH REGIONAL CONFERENCE

In March, members of the American Society for Civil Engineers (ASCE) at LSU student chapter participated in the 2016 Deep South Regional Conference hosted by McNeese State University. The Deep South Regional Conference aims “to further technical, professional, and ethical knowledge of these students as it relates to civil engineering.” Members of the steel bridge and concrete canoe teams traveled to Lake Charles, Louisiana, to compete against student chapters from Arkansas, Louisiana, Mississippi, and Tennessee.



From left to right: Jonathan Mayeaux, Chris Watson (Captain), Breanna Bell, Alex Rome, Drake Bourgeois, Amanda Jackson, and Co-Captain Enrico Targa

The steel bridge team included members Breanna Bell, Drake Bourgeois, Amanda Jackson, Jonathan Mayeaux, Alex Rome, Enrico Targa (Co-Captain), and Chris Watson (Captain). This year, the LSU bridge team designed and built a truss-style bridge and incorporated a sleeve-type design for the truss and footing components. The steel bridge team would like to thank the following sponsors: Crest Operations, LLC; American Institute of Steel Construction; Shread-Kuyrkendall & Associates; ISC Constructors, LLC.

Gabrielle Dubroc also received second place in the Mead Paper Competition for her technical paper and oral presentation. Members also received second place in the mystery event.

The ASCE student chapter would like to thank the Department of Civil & Environmental Engineering for its support, along with faculty advisor Dr. Michele Barbato and CEE staff member David Robertson for making their participation in the regional conference possible.



From left to right: Alicia Fortier, David Robertson (Advisor), Daniel Gutierrez, Amy Olson, Jeffrey Sturcke, Landon Stockton, Gabrielle Dubroc, Adam Linson, Breanna Bell, Amanda Jackson, Dr. Michele Barbato (Faculty Advisor)

The concrete canoe team received second place in the women’s 600 m endurance race, as well as in the co-ed 400 m sprint race. This year’s team included members Breanna Bell, Gabrielle Dubroc, Daniel Gutierrez (Co-Captain), Amanda Jackson, Adam Linson, Amy Olson (Captain), Landon Stockton, and Jeffrey Sturcke. The concrete canoe team would like to thank the following sponsors: Louisiana Transportation Research Center (LTRC); SJB Group, LLC; Fugro Consultants, Inc; ABMB Engineers, Inc; Aucoin & Associates, Inc.; Mr. Danny J. Hebert, Standard Materials, LLC; HNTB Corporation; and Environmental Technical Sales, Inc.



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computational simulation. The program creates a sustainable platform for training future globally engaged science and technology students. This dual degree program in graduate education, led by a group of faculty who share mutual, focused interest, is the catalyst for generating a model for sustainable international engagement between universities. The dual degree program is carried out with flexibility to accommodate the needs of the faculty and students at both institutions and maintains the high standards agreed to by both institutions. Voyiadjis served as co-advisor and committee member for several master’s and doctoral students at Hanyang University as part of the WCU. In addition, several students have begun the dual degree program at Hanyang University.

Alison Satake (LSU Media Relations)

C4G SURVEYOR NAMED NATIONAL SOCIETY PRESIDENT

LSU Center for Geoinformatics (C4G) Surveyor J. Anthony Cavell was recently appointed as President of the National Society of Professional Surveyors (NSPS). NSPS (incorporated in 1990) succeeds the American Congress on Surveying and Mapping (ACSM), which was inaugurated in 1941.

Cavell is a Fellow of NSPS and of ACSM. Since 1984 he has been active in the AACSM, NSPS, and the Louisiana Society of Professional Surveyors (LSPS), serving in several capacities as officer, director, committee chairman, and educator/trainer.

Cavell is a Professional Land Surveyor licensed by the Louisiana Professional Engineering and Land Surveying Board (LAPELS) in 1990. LAPELS also approved him as a Professional Development Provider in 2004. He became a Certified Federal Surveyor in 2007 as a member of the program’s initial class. Cavell’s achievements have earned him the 2007 ACSM Earle J. Fennel Award, which recognized his contributions to surveying and mapping education.

2ND ANNUAL LSU INVENTORSHIP SHOWCASE

Congratulations to Dr. M. Teresa Gutierrez-Wing, Adjunct-Assistant Professor Research in Department of Civil and Environmental Engineering, along with Dr. Kelly Rusch, of North Dakota State University, for being recognized at the 2nd Annual LSU Inventorship Showcase for her patent for “Methods of Extracting Chemical Compounds from Organisms with Resistant Cell Walls.” This patent discloses a cost-efficient, environmentally-friendly method to rupture the cell wall of microorganisms and increase the recovery of useful contents, such as lipids including fatty acids, pigments, and other molecules. Extraction of lipids and bioproducts from microalgae is used in a number of applications, including the production of biofuels, pharmaceuticals, and nutraceuticals. This method is also used in breaking open cells for laboratory analysis of the cell’s composition.

Dr. George Z. Voyiadjis, Boyd Professor and CEE Department Chair, was also recognized at the showcase for his work *Handbook of Damage Mechanics: Nano to Macro Scale for Materials and Structures* (Springer).

The Inventorship Showcase recognizes LSU technologies and innovations including faculty, staff, and students who have been awarded patents throughout the 2015 fiscal year, 2015 National Academy of Inventors Fellows, and other achievements in technology transfer.

DR. SCOTT HAGEN INDUCTED INTO ENGINEERING ALUMNI ACADEMY

Congratulations to Dr. Scott C. Hagen, Professor in CEE, who has been selected for induction into the University of Iowa College of Engineering Distinguished Engineering Alumni Academy. Hagen delivered the “Charge to the Graduates” speech to the graduating seniors at their spring commencement ceremony.

DR. GEORGE Z. VOYIADJIS INDUCTED INTO THE NATIONAL ACADEMY OF ENGINEERING OF KOREA



George Z. Voyiadjis, Chair of LSU College of Engineering's Department of Civil and Environmental Engineering, has been inducted as a Foreign Member into the prestigious National Academy of Engineering of Korea. The Academy elected Voyiadjis, who also serves as a Boyd Professor and the Bingham C. Stewart Distinguished Professor of Engineering at LSU, as a foreign member for his leading position in science and his significant contribution to the development of cooperation with Korea. President of the National Academy of Engineering of Korea Professor Young Ho Oh presented Voyiadjis with the certificate during the organization's annual meeting in Seoul, Korea.

While in Korea, he was also honored by an international symposium on "Multi-physical solutions for harsh environments: Computations and Experiments" sponsored by Hanyang University in Seoul, chaired by T. Park in March.

"This distinction represents a recognition way beyond anything I ever imagined as a student at Columbia University nearly 43 years ago. My experience in industry and my academic appointment overseas has allowed me to think in a more global sense and at the same time stay relevant to engineering applications in my research endeavors. That's what keeps me grounded and gives me the ability to continue to do all this work," Voyiadjis said.

The National Academy of Engineering of Korea is a non-governmental organization. Independently it provides engineering and technological leadership to Korea. The academy has 914 prominent members in academia, business, research institutes and government who are proficient and well accomplished engineers.

In 2009, Voyiadjis was selected by the Korea Science and Engineering Foundation, or KOSEF, as one of the only two World Class University, or WCU, foreign scholars in the area of civil and architectural engineering to work on nanofusion in civil engineering at Hanyang University. The multimillion dollar research grant was headed by Professor Taehyo Park, of Hanyang University, and was one of the largest grants in the history of Korea. Voyiadjis was an honorary visiting professor in Hanyang University during the term of the project. It was the only WCU project that was funded by the Korean government in the area of civil and architectural engineering. The project addresses the challenge of nanofusion in civil engineering. The project shows that his international colleagues also regard nanotechnology as an important future direction in engineering, and Voyiadjis has been recognized as one of the leaders of his generation in that area. This was a five-year project for \$3.5 million and was on the "Development of multiscale simulation methods for nanofusion technologies in construction materials for sustainable infrastructures."

In 2010, recognizing the value of research and education interchange and the benefits of collaboration, Hanyang University and LSU signed a Memorandum of Understanding, a commitment to cooperation and the development of cooperative scientific and educational programs in civil and environmental engineering. This was initiated through the collaborations of Park at Hanyang University and Voyiadjis at LSU.

In 2011, a dual degree program was also established for Ph.D. students between LSU and Hanyang University in civil engineering, specifically in the area of solid mechanics including advanced material behavior and

ITE STUDENT CHAPTER COMPETES IN TRAFFIC BOWL



The ITE-LSU student chapter represented LSU at the Deep South Institute of Transportation Engineers (DSITE) traffic bowl competition on February 17, 2016, in Rigeland, Mississippi. The LSU team won the competition for the first time since the student chapter's reactivation in 2011. ITE-LSU then participated in the Southern District Traffic Bowl Competition in Nashville, Tennessee, in April where they won 2nd runner up (third place).

The ITE-LSU traffic bowl team is comprised of the following students: Mr. Peter Bakhit (graduate student), Mr. Pranjal Phaltane (graduate student), and Ms. Nelida Herrera (graduate student)

CHI EPSILON: CIVIL ENG HONORS SOCIETY AT LSU

The LSU chapter of Chi Epsilon, a national civil engineering honors society, recently held its initiation for new members and officers. The newly-elected student members and officers are Curtis Marcello (President), Jarrett Logan (Vice-President), Claire Like (Secretary), Marisa Fanguy (Treasurer), Alyssa Bienes (Assistant Editor), and Maddie Berry (Marshal). Dr. Shengli Chen has been nominated as the faculty member and inducted as the faculty advisor of the chapter as well. The chapter would like to thank the immediate past faculty advisor, Dr. Frank Tsai, for his dedication to reactivating the chapter here at LSU.



If you are interested in joining Chi Epsilon, please contact Curtis Marcello (cmarce7@lsu.edu) for more information.

GEAUX ENGINEERING



CE4460 VISITS PRECAST CONCRETE PRODUCTION SITE

Students enrolled in the capstone project class (Design of Bridges - CE4460) visited a precast concrete production site on April 20, 2016, with Dr. Ayman Okeil who, along with Mr. Paul Fossier – Louisiana State Bridge Engineer, teaches the course. Mr. Sims Regard, VP at Waskey Bridges, Inc., in Baton Rouge, hosted the students for a tour of their facility, followed by an invitation for lunch. The students saw production steps of several ongoing projects, including precast slab bridges, barriers, and industrial platforms. The knowledgeable Waskey staff (Mr. Sims Regard, Mr. Brady Wax, and Ms. Dawn Carrier) explained to the students the ins and outs of precast concrete production. They learned how forms are prepared, how reinforcement is placed, and went into the concrete batch plant control room.

Field trips like these complement classroom instruction and help make students aware of the real world side of their future jobs.



CEE GRADUATE STUDENT RESEARCH CONFERENCE



In April 2016, the Department of Civil and Environmental Engineering (CEE) held the 5th annual CEE Graduate Student Research Conference

to showcase the research work being conducted by graduate students in the department. Held in Patrick F. Taylor Hall, 38 participants displayed research posters to conference guests and judges. The conference also featured guest speaker Dr. Michelle Massé, Dean of the LSU Graduate School.

Judging for the conference was conducted by a panel of 18 individuals from each research concentration area. Each was reviewed for technical content, delivery of the poster presentation, and design and clarity. Results were tallied and the following winners were announced:

Trent A. Key (1st Place: \$600)

“Characterization and Genomic Insights from a Novel Isolate within the Genus *Dehalogenimonas*”
Advisor: Dr. William Moe

Yasser Bigdeli (2nd Place: \$300)

“Use of a low-cost fluorogypsum-based composite for applications in underwater and coastal protection structures” Advisor: Dr. Michele Barbato

Moinul I. Mahdi (3rd Place: \$100)

“Performance Evaluation of Thin RCC Pavements under Accelerated Pavement Testing”
Advisors: Dr. Zhong Wu, Dr. Louay Mohammad

Honorable Mention

Siavash Shojaat (Transportation)
Christopher Siverd (Water/Coastal)
Charles Davis Lofton (Environmental)
Shuang Cao (Geotech)
Aref Samadi-Dooki (Structures/Mechanics)

CEE Graduate Advisor Dr. Ayman Okeil would like to thank all conference participants and visitors for making this year another success.

COPRI STUDENT CHAPTER VISITS CAMINADA HEADLANDS RESTORATION



L-COPRI, LSU's student chapter of the ASCE's Coasts, Ports, and Rivers Institute, organized a successful field trip to the Caminada Heads beach/dune restoration. LSU professors, Drs. Q. Jim Chen and Navid Jafari, along with 12 students, toured the extensive project led by Brad Miller and Mark Leadon of the Coastal Protection and Restoration Authority (CPRA). The tour consisted of driving off-road vehicles along the beach of Port Fourchon and stopping at import junctures in the construction of the new beach.

The CPRA is tasked with the coast-wide management of coastal hazards and restoration. The Caminada Headlands Restoration’s most recent achievement is a budget that tops \$200 million, which includes the creation of 13 miles of beach. The 300 acres of new barrier island land mass protects the critical oil and gas infrastructure of Port Fourchon from tropical and extratropical storms.

L-COPRI will continue to provide opportunities like this to the students of LSU in the years to follow. If you are interested in becoming a member email the communications officer Cody Johnons at cjoh296@lsu.edu.



drove the implementation of a reorganization of a major portion of the Office of Engineering to provide for better continuity and succession planning for a downsized agency. Under her leadership, DOTD overcame significant challenges related to a software conversion that affected every aspect of the way the department conducted business.

Prior to this appointment, Williams served as the Chief of the Systems Engineering Division for four years. Her leadership of the Systems Preservation Section allowed them to be successful at fulfilling the project delivery demands for three budget surplus programs as well as the projects funded by the American Recovery and Re-investment Act of 2009. During her service in the Systems Engineering Division, Williams was responsible for the development of a new bridge preservation program. DOTD’s Bridge Preservation Program gained national recognition for being one of the first to receive approval for the use of federal funds for this activity.

In addition, Williams served on the Federal Highway Administration’s (FHWA) Pavement Preservation Expert Task Groups from 1999 to 2010. Based on her expertise in preservation, Williams was asked to serve as a member of the FHWA Bridge Preservation Expert Task group upon its formation in 2010. These national teams were created to promote pavement and bridge preservation, acceptance, and implementation through the development of technical guidelines with the identification of related training and research needs.

An active member of AASHTO, she served as a member of the Subcommittee on Maintenance from 2007-2013, including service as one of the Vice Chairs of the Bridge Technical Working Group from 2009-2013. Since her appointment as Chief Engineer in 2014, Williams has served as a member of the Standing Committee on Highways (SCOH).

Williams is a licensed professional engineer in Civil and Environmental Engineering. She is also a member of the American Society of Civil Engineers, Louisiana Engineering Society, and Louisiana Society of Professional Engineers in Civil Service and Women in Transportation Seminar.

In 2011, Williams received the Charles E. Dunbar, Jr. Career Service Award. This award is the highest honor classified state employees can receive for their service to the citizens of Louisiana and is awarded for commitment to classified service, contributions toward workplace improvement, personal initiative, and volunteer community service.

Williams has been an active community volunteer, having spent 14 years as a volunteer and leader with the Girl Scouts of Louisiana East Regional Service Center. She spent six years as a Riding Director in the Camp Marydale Wrangler program in St. Francisville where girls learn horsemanship, teamwork, and leadership while providing a riding program for Girl Scout campers. Since retiring from the Girl Scouts in 2012, Williams has joined Cat Haven as a volunteer and serves regularly at the LSU Vet School spay day events held monthly.

Williams has been married to Montford E. Williams, III since 1985, and they have four children and one grandchild. Two of their children are involved in engineering, with one pursuing a Master’s degree in education while working as an assistant editor reviewing engineering research reports, and the other is a December 2015 LSU graduate with a bachelor’s degree in civil engineering. Williams is the daughter of the late Dr. and Mrs. Jack K. Poplin. Dr. Poplin was a faculty member of the LSU Civil Engineering Department from 1968-1994.



In addition to work funded by NIEHS and EPA, Dr. Alshawabkeh has also led or collaborated on research projects sponsored by the National Science Foundation (NSF), U.S. Army Corps of Engineers, U.S. Department of Energy, and industry, with over \$35M lifetime research funding. His work is presented in close to 200 publications, including 100+ peer-reviewed

journal papers. He is a Fulbright Scholar and a recipient of the 2014 ASCE Thomas A. Middlebrooks Award. He has a strong service record, led and participated in many research workshops and organized several technical conference sessions and activities. Dr. Alshawabkeh is a former chair of Committee AFP40 "Physiochemical and Biological Processes in Soil" of the Transportation Research Board of the National Academies and is a member of several national and international committees. Dr. Alshawabkeh has a track record of collaboration with government laboratories and industry.



For a complete list and profiles of all members of the CEE Hall of Distinction, please visit online at www.cee.lsu.edu/alumin/hod



Janice P. Williams
PE
Chief Engineer
Office of Engineering, LA DOTD
BS in Civil Engineering, LSU

Janice Poplin Williams was appointed as the Chief Engineer of the Louisiana Department of Transportation and Development (DOTD) in March 2014 by Secretary Sherri H. LeBas. During her tenure as Chief Engineer, Williams has focused on Safety, Quality, Accountability, and Program Delivery. As the engineering leader of DOTD, Williams provides guidance to a staff of more than 500 engineers, engineering technicians, and support staff while promoting innovation, continuous improvement, and efficient use of resources. She is responsible for establishing engineering standards, policies, and procedures that guide project delivery, construction, and preservation of all transportation-related projects and systems. In addition, Williams is accountable for the on-time and on-budget delivery of the DOTD Highway Priority Program.

Williams earned her bachelor's degree in civil engineering from Louisiana State University in May 1985 and was a member of the Chi Epsilon honors society. She began her career as an engineer in training for DOTD's Road Design Section in June 1985. She was given responsibility early in her career when assigned as the Interstate 4R program manager in 1987. For the next 19 years, she served as a project and program manager for projects of all shapes and sizes, including interstates, capacity improvements, large and small bridge replacements, urban systems, enhancements, and a new Mississippi River crossing. She was responsible for over 1200 projects totaling over \$2.3 billion in construction costs. While serving as the Pavement Preservation Program Manager, her programs were often called upon to fill in the gaps where needed to prevent funding from lapsing.

In June 2010, she was selected for her previous position as Chief of the Project Development Division. As the Chief of the Project Development Division, Williams



The CEE department would like to extend our sincere congratulations to CEE alum **John A. Graves** on his recent induction into the LSU College of Engineering's Hall of Distinction. Graves is also a member of the CEE Hall of Distinction and currently serves as chair of the department's External Advisory Board.

Congratulations to **Dr. Sam Cooper Jr (PCE 2015)** on being selected for a 2015 College of Engineering Distinguished Dissertation Award for his dissertation titled "Sustainable Materials for Pavement Infrastructure: Design and Performance of Asphalt Mixtures Containing Recycled Asphalt Shingles." Dr. Cooper is a 2015 graduate and was recently appointed Director of the Louisiana Transportation Research Center (LTRC).



Brad Hernandez, PE (BCE 2001) was recently promoted to Project Manager with AECOM (Dallas). He was also elected President of the ASCE Dallas branch. Most recently, he was chosen as one of the Top 20 Under 40 by the Engineering News-Record (ENR) for the Texas and Louisiana Region, which includes Arkansas, Louisiana, Mississippi, Oklahoma, and Texas.

Gerald Songy (BCE 2013) is currently enrolled in the Erasmus Mundus Coastal and Marine Engineering and Management M.Sc. program in Europe. Songy spent one semester in Trondheim, Norway at NTNU, one semester at TU Delft in Delft, the Netherlands, another semester in Southampton, England, at the University of Southampton, and then his upcoming and final semester will return to TU Delft for his master thesis work. Songy's research will be supervised by both TU Delft and Deltares, and he will be studying the impact that

various saltmarsh coastlines have on wave height reduction by using the XBeach-vegetation computer model.

Please join us in congratulating CEE alum, Hall of Distinction inductee, and CEE External Advisory Board Council member **Ann Forte Trappey** on her recent appointment as the 2016 Chair of the Baton Rouge Area Chamber (BRAC). Trappey is President/CEO of Forte and Tablada, a Baton Rouge-based firm specializing in surveying and engineering design of infrastructure projects, transportation systems to drainage water, wastewater and drinking water systems, and bridges, as well as structural and electrical systems.



CEE alum **Keith Flowers** was recently selected as the Chief of the River Engineering Branch, Coastal and Hydraulics Laboratory, Engineer Research and Development Center, U.S. Army Corps of Engineers.

A Vicksburg native, Keith received his Masters of Business Administration (2010) and Bachelor of Science degree in Civil Engineering (2005) from Louisiana State University. Additionally, he received his Masters of Engineering from Mississippi State University (2013). He is a member of the Society of American Military Engineers and is a registered professional engineer in Louisiana.

During his six-year career with the U.S. Army Corps of Engineers (USACE), he has been a Hydraulic Engineer, Project Coordinator, and Project Manager with the Modeling, Mapping, and Consequences (MMC) Production Center, a national program that supports the Corps of Engineers' Dam Safety Program. He has also spent time as the Dam and Levee Modeling Section Chief for the Vicksburg District Hydraulics Branch and as a Senior Project Manager in the Programs and Project Management Division. Keith has instructed the Hydrologic and Hydraulic Aspects of Dam Safety portion of the USACE Dam Safety training class. Prior to his career with USACE, he worked for Michael Baker, Jr. Inc. in Baton Rouge, Louisiana, and for Entergy Corporation at the Grand Gulf Nuclear Plant in Port Gibson, Mississippi.



CEE INDUCTS NEW MEMBERS INTO HALL OF DISTINCTION

In May 2016, the Department of Civil and Environmental Engineering (CEE) held its annual Hall of Distinction Banquet at the Lod Cook Alumni Center to honor its latest inductees: Dr. Akram N. Alshawabkeh and Janice P. Williams. In addition to the inductees and their guests, also in attendance were current CEE Hall of Distinction members, members of the CEE External Advisory Board, CEE faculty and staff, and students.

Including the two recent inductees, the CEE Hall of Distinction now includes 29 members. Initiated in 2001, CEE created the Hall of Distinction to recognize individuals who have made stalwart contributions to the profession. Candidates are carefully selected based on distinguished professional achievement and service to civil and environmental engineering. Inductees have made substantial impact in their field and to the CEE department. In honoring these individuals, the department intends through them to recognize all those who have contributed to engineering excellence.

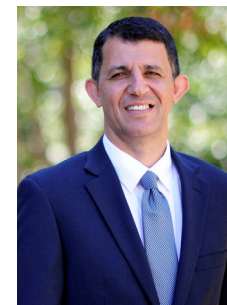
For the second year, the CEE department recognized several outstanding students. Civil Engineering undergraduates Jacob Watts and Elizabeth Hutchinson received Academic Achievement Awards. Environmental Engineering undergraduates Aaron Bennett and Kevin Brown received Academic Achievement Awards as well. Md. Naiful Haque, a civil engineering doctoral student, was selected Graduate Student of the Year.

Also recognized were recipients of the 2016 faculty and staff awards. Dr. Q. Jim Chen, CSRS Distinguished Professor in Coastal Engineering, (pictured bottom left) was recognized with a Research Achievement Award. Dr. William "Bill" Moe, Marvin Rex Clemons Professor in the College of Engineering (pictured middle), was recognized with an Educational Achievement Award. Staff member David Robertson (pictured bottom right) was recognized with the Departmental Service Award.



2016 INDUCTEES

Dr. Akram N. Alshawabkeh



PE, F. ASCE
 Snell Professor of Engineering and Associate Dean for Research
 College of Engineering
 Professor, Department of Civil and Environmental Engineering
 Northeastern University
 PhD in Civil Engineering, LSU

Dr. Akram N. Alshawabkeh is the George A. Snell Professor of Engineering and Associate Dean for Research at the College of Engineering at Northeastern University. He is also a Geo-environmental Engineering Professor at the Department of Civil and Environmental Engineering and a fellow of the American Society of Civil Engineering (ASCE). Dr. Alshawabkeh is an Internationally-recognized expert in coupling soil behavior with geochemistry and geomechanics, contaminant fate and transport in soil and groundwater, soil remediation, electrokinetic/electrolytic processes and modeling. He holds a B.E. in Civil Engineering from Yarmouk University, Irbid, Jordan, M.Sc. in Civil Engineering from Jordan University of Science and Technology (JUST), Irbid, Jordan, and a Ph.D. in Civil and Environmental Engineering from Louisiana State University, Baton Rouge, Louisiana.

Dr. Alshawabkeh is the Principal Investigator (PI) and Director of the "Puerto Rico Test site for Exploring Contamination Threats (PROTECT)" Superfund Research Program (SRP) Center, funded by the National Institute of Environmental Health Sciences (NIEHS) and the PI and Director of Center for Research on Early Childhood Exposure and Development in Puerto Rico (CRECE) funded by NIEHS and the Environmental Protection Agency (EPA). As the Director of PROTECT and CRECE, Dr. Alshawabkeh leads a team that includes epidemiologists, engineers, sociologists, biostatisticians, pediatricians, and toxicologists to study environmental and water contamination in Puerto Rico and its effects on preterm birth and adverse pregnancy outcomes to develop prevention and remediation strategies.

CEE HALL OF DISTINCTION

- | | |
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| 2001 Charter Members
Ara Arman
Dr. Elvin Dantin*
L. Lane Grigsby
Dr. Chester P. Siess*
Bingham C. Stewart* | 2009
John A. Graves
Dr. Mehmet T. Tümay |
| 2002
Verdi Adam
Dr. Dipak Roy*
Wm. Clifford Smith | 2010
Dr. Shahram Sarkani
Sherri Hammond LeBas |
| 2003
Dr. James M. Coleman
Ann Forte Trappey | 2011
Dr. Song-Kai Yan*
Dr. Rodolfo J. Aguilar |
| 2004
Dr. George Munfakh
Dr. Kam K. Movassaghi | 2012
Lloyd Guillory
Dr. Taehyo Park |
| 2005
Dr. Kenneth L. McManis
Larry A. McKee | 2013
Paul Fossier, Jr.
Dr. Anand Puppala |
| 2006
John "Jack" Donahue, Jr.
Ronald "Ron" Rodi | 2014
William E. Rushing, Jr.
Dr. Pradeep Kurup |
| 2007
Dr. J. Tinsley Oden
Recep Yilmaz | 2015
Ronnie Hebert
Michael Songy |
| 2008
Robert A. "Bob" Deason
Frank J. Germano* | 2016
Dr. Akram N. Alshawabkeh
Janice P. Williams |

* Deceased