



Message from the Chair

The Department Civil and Environmental Engineering (CEE) continues to grow and change as time passes.

During the last 12 months or so, we have added two new faculty members — including our first endowed chaired professor — a member of the National Academy of Engineering. We have ongoing searches for eight additional faculty members. Our faculty, staff, and students continue to win awards for their outstanding work. We have had some other changes in our faculty and staff, and we remain productive in research.

During the year our faculty published 67 papers in archival journals, 26 papers in conference proceedings, and 17 book chapters. Every faculty member participates in externally sponsored research projects. Our research expenditures have increased as well.

The CEE student body shrunk a little over the last two years with some large graduating classes, but it is starting to grow again. During the 2012-2013 academic year, we graduated 140 students with BSCE degrees, 19 students with either MSCE or MEnvE. degrees, and three doctoral degrees.

Two of our students won prestigious awards in the last year, and we had our best showing to date in the regional concrete canoe contest — although we didn't quite make it to the national competition.

Nine new members were inducted into the CEE Academy and the Whitacre College of Engineering named Joe Gamble a recipient of the Distinguished Engineer Award.

The CEE department is clearly moving in a positive direction. On a personal note, it has been my greatest honor to serve as department chair since 2004. I will be stepping down from this position and returning to the job of professor when a replacement is found, most likely before the beginning of the next academic year.

I have enjoyed my relationships with all of you over the years. I look forward to my changing role and resuming teaching and research duties in the near future.

Dr. H. Scott Norville, PE.
Professor and Department Chair



Norville

Reible Named Donovan Maddox Distinguished Engineering Chair

The Department of Civil and Environmental Engineering is pleased to announce the appointment of National Academy Member Dr. Danny Reible as the new Donovan Maddox Distinguished Engineering Chair and professor of civil and environmental engineering.

Reible will be leading a major university water initiative with an emphasis on the Water-Energy-Agriculture Nexus.



Reible

Reible is the fourth National Academy member in the Whitacre College of Engineering, two of whom are Maddox chair holders. Election to the National Academy is considered one of the highest professional honors among engineers.

His appointment will be complemented with the addition of five new faculty positions in the area of environmental engineering and water resources which will complement the nine current positions.

He received master of science and doctor of philosophy degrees in chemical engineering in 1979 and 1982, respectively, from the California Institute of Technology after receiving a bachelor of science in chemical engineering in 1977 from Lamar University in Beaumont, Texas. He is a Board Certified Environmental Engineer, a Professional Engineer in Louisiana, and was elected as a member of the National Academy of Engineering for the “development of widely used approaches for the management of contaminated sediments.”

He is a fellow of the American Association for the Advancement of Science and the American Institute of Chemical Engineers (AIChE). He has been honored with the L.K. Cecil Award from AIChE in 2001 and the Malcolm Pirnie Frontiers in Research Award from the Association of Environmental Engineering and Science Professors in 2011.

His research focuses on the fate and transport of contaminants in the environment, particularly the applications to the assessment and remediation of contaminated sediments and the sustainable management of water resources. Reible holds the first chaired faculty position in the Department of Civil and Environmental Engineering.

Student News



Texas Tech team and concrete canoe in a race.

Concrete Canoe Team Fares Well in Competition

The Texas Tech University 2013 concrete canoe team was one of the most successful teams from Texas Tech in recent years. Competing in Corpus Christi, the Texas Tech team members included co-captain Neil Curran, Angie Fealey, Devon Glover, Mark Mink, Casey Ramsey, Alan Salazar, Viri Sanchez, Tyson Stagner, co-captain Cristal Tay, and Tina Vaughn.

Although the team placed fourth overall, they won first place in the design report, won three races, and placed second in another race. The canoe was the fastest in the competition, but a few small errors lowered the team's performance to fourth place in the stiff competition.



Texas Tech team and supporters.

Texas Tech Team Competes in Steel Bridge Contest

The 2013 Steel Bridge Texas-Mexico Regional Design Competition was held at the University of Texas at El Paso. The team performed better this year and finished ninth out of 13 teams.

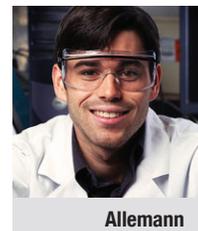
This year's team members were captain Dakota MacDonald, Geraldo Martinez, Mark Mink, Michael Nichols, Casey Ramsey, and Berry Smithley.



Texas Tech Steel Bridge Team erecting the bridge during competition.

Allemann Receives Parents Association Student Academic Citizenship Award

Andrew Allemann, a senior environmental engineering student, won the Texas Tech Parents Association Student Academic Citizenship Award.

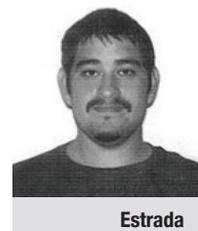


Allemann

The Student Academic-Citizenship Award recognizes students who have achieved excellence in academics during the spring, summer, and fall semesters, and who — during that same time period — have demonstrated outstanding citizenship and service. The award recognizes "service at its best," which is exemplified in "recognizing a needed public service, voluntarily identifying with it and demonstrating superior leadership and/or a high quality performance in fulfilling that public need."

Estrada Wins Student Presenter Award at AWRA Conference

Felipe Estrada, a Ph.D. candidate working under the supervision of Dr. Annette Hernandez, assistant professor, won the highest ranking student presenter award at AWRA's 47th Annual Water Resources Conference in Jacksonville, Florida in November 2012. The presentation was titled "Comparative Study of a Watershed Management Tool across International Boundaries." The competition involved 50 students.



Estrada

Staff News

Andrews Receives Chancellor's Award of Excellence

Glenna Andrews received the 2012 Chancellor's Award of Excellence in recognition of her outstanding performance as the department's lead advisor. Unfortunately, she has begun a new position at the Dean's Office.



Andrews

Andrews served the students and the department with aplomb for many years and the faculty, staff, and students were sad to see her move.



SEP Members Place Second in Student Design Competition

The Society of Environmental Professionals attended the Water Environment Association of Texas Conference in Galveston in April. The team placed second in the Student Design Competition. Team members were Wes Tait, Paula Monaco, Brett Bohn, and Maeghan Brundrett.

Alumni News

Gamble Named Distinguished Engineer

The Whitacre College of Engineering named seven new Distinguished Engineers at the 47th Annual Distinguished Engineer Awards Luncheon in April 2013, including Joe D. Gamble (BSCE, 1962; MSCE 1963) of Friendswood, Texas.



Gamble

Gamble had a distinguished career at the NASA Johnson Space Center and continues at MEI Technologies, supporting space exploration missions. He has played a significant role in nearly every major NASA mission since he began his professional engineering career. He served as the U.S. technical expert for the Soyuz crew transport vehicle and the Progress cargo transport vehicle. In this capacity, he negotiated with both NASA and Russian program managers to modify the Soyuz craft as a rescue vehicle for the International Space Station. He and his wife, Jane, have two sons, Joel and David.

Soules Presents at ASCE National Chairs Meeting

Greg Soules, a 2009 Distinguished Engineer (BSCE 1979, MSCE 2009) discussed upcoming changes in licensure laws at the ASCE National Civil Engineering Department Heads Conference at the University of Nevada, Las Vegas (UNLV) in June. He discussed the history of licensure along with its necessity.



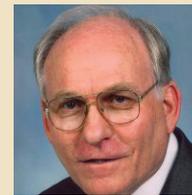
Soules

A major portion of his discussion concerned upcoming changes to the Fundamentals of Engineering Examination (FE) which will undergo major changes in 2014. These include changes in specifications for topics that the test will address, along with the fact that it will be administered by computer at Pearson Learning Centers. Instead of being offered only twice annually, it will be administered by appointment and it will be offered during January and February; April and May; July and August; and October and November. Finally, the exam time will take only four hours, instead of the current eight hours. In addition to the FE, Soules discussed other future changes, including those concerning structural engineering licensure.

Faculty News

Kiesling Retires After 50 Years of Service

Dr. Ernst Kiesling, former chair and professor in the Department of Civil and Environmental Engineering, when it was just the Department of Civil Engineering, retired from teaching in December 2012.



Kiesling

During his 50 year tenure, Kiesling made innumerable contributions to the department, the college, the university, and the engineering profession.

One of his most significant contributions was in facilitating development of the wind engineering program. This world class program has outgrown both the department and the college, evolving into the National Wind Institute (NWI), establishing Texas Tech as the premier wind research institution in the country.

He made a huge contribution to society as he led the development of the idea of in-house storm shelters. People in many tornado-prone areas, where in-house storm shelters are now popular, consider him a hero, to say the least. Kiesling continues to serve as a research professor in the NWI.

Hernandez Receives ASCE ExCEED Award, Rising Star Award

Dr. Annette Hernandez, an assistant professor, received two prestigious awards this year. The American Society of Civil Engineers (ASCE) recognized her with its ExCEED New Faculty Excellence in Teaching Award. The awards committee cited her outstanding teaching record as a new faculty member, her contributions to the academic and surrounding community, and her proven commitment to education.



Hernandez

In addition, Texas A&M University-Kingsville honored Hernandez with its Rising Star Award to recognize her early professional success as a young graduate.

New Faculty Member: Dr. Hoyoung Seo

Dr. Hoyoung Seo, who received his doctorate from Purdue University, joined the faculty this fall. His specialty is in geotechnical engineering.



Seo

His areas of expertise and research interests include foundation engineering, analytical and numerical methods in geomechanics, geotechnical instrumentation and monitoring, development of in situ-test-and reliability-based design methods, rock mechanics and rock engineering, and water jet applications in construction engineering. His doctoral dissertation was titled "Load-Settlement Response of Axially Loaded Piles."



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Alumni News

Civil and Environmental Engineering Academy Inducts Nine New Members in April 2013

Scot Laun, PE., CFM (BSCE, 1993; MSCE, 1995) serves as a senior water resources engineer for the past two years in Atkins' water resources group and has over 18 years of experience in hydrologic and hydraulic design, studies, and analysis. Scot and his wife, Aimee, have two daughters, Aja and Ella and live in San Antonio.

Matthew Johnson, PE., PTOE, PTP (BSCE, 2001) is a Project Manager for Freese and Nichols, Inc. He has served as president of Fort Bend County Municipal Utility District 165 since 2005. Matthew and his wife Kristie reside in Houston, Texas.

Khalil Tayab Hasan (BSCE, 1984) works as the founding and managing partner for Construction Solutions, having more than 28 years in the civil construction industry. Khalil and his wife, Muneeza Khalil Hasan, reside in Pakistan. They have four children, Imad, Azam, Myra, and Saad. (As a side note, it took more than a day for Khalil to get to Lubbock, including an \$800 cab ride from Houston to Austin when flight scheduling problems arose.)

Martin L. Rodin, PE. (BSCE, 1984), a licensed engineer with over 28 years' experience in transportation planning, engineering design, and business management is Vice President of Transportation for URS. He is a FEMA Certified Floodplain Manager. Martin and his wife, Donna, make their home in Lewisville, Texas. They have two children, Jason and Sean.

Martin "Marty" R. Smith, PE. (BSCE, 1984) serves as a District Engineer for the Texas Department of Transportation for the Childress District, overseeing the planning, designing, building, operation and maintenance of the state transportation system in its 13-county purview. Marty and his wife, Donna, make their home in Childress, Texas. They have a son, Michael, a sophomore at Texas Tech and a son, Cole.

Mark Bird, PE. (BSCE, 1993; MSCE, 1998) works as a self-employed engineer under the Wesley Engineering Group, Inc., in San Antonio, Texas, after several years' employment with Design Engineering & Consulting, Inc. Mark has 17 years of experience designing curtain wall, window wall, and cladding systems worldwide, with a particular interest in seismic zones. Mark is married to Mari Garza-Bird, also a BSCE and MSCE Texas Tech University graduate and member of the Civil and Environmental Engineering Academy. They reside in Walnut Creek, California.

Erin Atkinson, PE., CFM, GISP (MS, Environmental Technology/Water Quality, 1997; MSCE 2001) serves as Director of GIS at Halff Associates, Inc. Erin is a registered professional engineer in Texas, a nationally Certified Floodplain Manager and a Certified GIS Professional. Erin and his wife, Gail, also a Texas Tech graduate and educational diagnostician, live in Haslet, Texas with their daughter, Lauren, and son, Jack.

Cheryl Flood, PE., (BSCE, 1982) serves as Director of Transportation Planning and Development in the Texas Department of Transportation. She has worked in that position for the last 10 years. Cheryl and her husband, Joe, make their home in Lufkin, Texas.

Darrell "Bo" Sheridan, PE. (BSCE, 1990; MSCE, 1992) works as an advanced engineer for Cameron in Longview, Texas. He performs structural analysis and design of offshore steel structures including conceptual, final design and reports for classification society approvals for new class jack-up rigs and provides overseas shipyard engineering support. Bo, his wife Tralisa, and their children, Leigha and Landry, make their home in White Oak, Texas.



(Back Row L-R) Scot Laun, Matthew Johnson, Khalil Tayab Hasan, Martin L. Rodin, Martin "Marty" R. Smith
(Front Row L-R) Mark Bird, Erin Atkinson, Cheryl Flood, Darrell "Bo" Sheridan

Keeping in Touch

The Texas Tech Department of Civil and Environmental Engineering would like to know what is happening in your professional life. Visit the following website to update your information or let us know about your accomplishments: www.coe.ttu.edu/info