



THE UNIVERSITY OF TEXAS AT AUSTIN

Civil, Architectural and Environmental Engineering

CAEE alumni news and features

www.caee.utexas.edu

SPRING 2010



Learning by Doing

Students Assist City of Austin with Pilot Project

Profiles of New Faculty

Academy of Distinguished Alumni

Excellence Funds in Action

Alumni & Reunion Updates



Academy of Distinguished Alumni Member Jim Broaddus (BS 1970, MS 1976, PhD 1991) is overseeing the \$340 million Outpatient Center for the Methodist Hospital in Houston's Texas Medical Center (TMC)

Continuing Progress:

A letter from Department Chair Sharon Wood



El Niño has brought Austin a cool and rainy start to 2010 and the water level in Lake Travis is the highest it's been in years – a welcome relief to last summer's drought. The spring semester is in full swing and in this newsletter, you will learn about ongoing activities within the department and students, faculty, and alumni who are accomplishing great things.

In spite of difficult financial times, the department is extremely fortunate. Over the years, alumni and friends have had the foresight and generosity to create Endowed Excellence Funds. These endowments provide interest directly to the department annually, which help us to address our most pressing needs. We have traditionally used these funds to support undergraduate student

organizations, graduate student recruiting, and faculty development. This year, the faculty decided to start a program to help our PhD students prepare for academic careers. Using resources provided through the Charles Kolodzey Endowed Excellence Fund in Civil Engineering, fifteen students will receive funding each year to attend national or international conferences to present papers and network with academic leaders.

Endowing an excellence fund is not an act of philanthropy that has immediate, tangible results. In many ways, their establishment requires a leap of faith in the leadership of the Cockrell School and the department and the quality of the decisions that will be made long into the future. However, without these funds, we would be forced to eliminate some of our existing support of student programming and would never be able to implement new initiatives. A special thanks to our Endowed Excellence Fund donors over the years.

Building endowed excellence funding is one of the four pillars of the department's capital campaign goals, along with endowed graduate fellowships, faculty support and facilities funding. You will learn more about each of these in subsequent issues of our newsletter.

I hope that you will be able to join us for one of our ethics seminars this spring. David Fowler will be discussing the collapse of the ceiling panels in the I-90 tunnel in Boston. We will be hosting seminars in Austin, Houston, Dallas and San Antonio. Please also plan to join us in Austin on Thursday, October 21st for our annual Alumni Banquet and Academy Induction Ceremony and to cheer the Horns to victory when they play Iowa State later that weekend.

Calendar of Events

March 4-5

Structural Engineering Education Reunion 2010 (STEER) and Retirement Celebration for Karl Frank, Ferguson Structural Engineering Laboratory

March 5-7

Class of 1970 Reunion

March 6

Explore UT

April 9

2010 Lymon C. Reese Distinguished Lecture
PRC Commons

April 15

Dallas Area Ethics Presentation
L.A. Fuess Partners, Inc.



Associate Professor Kevin Folliard participates in campus-wide outreach program, Explore UT. He is pictured showing future longhorns the types of aggregates used to make concrete.

April 21

Austin Area Ethics Presentation
Texas Union

April 27

San Antonio Area Ethics Presentation
TBA

May 14

Houston Area Ethics Presentation
Walter P. Moore

October 21

Alumni Banquet & Academy Induction Ceremony
Etter-Harbin Alumni Center

Profiles:

New Faculty

Fernanda L. Leite

Assistant Professor, Construction Engineering and Project Management

Fernanda Leite, a native of Brazil, joins the faculty from Carnegie Mellon University. For her Ph.D. research, she supported first responders in building emergencies caused by failures in building systems. Her work is one of the first attempts in formalizing vulnerability assessment in building emergencies, supported by building information models (BIM) and a formalized vulnerability representation.

She also has research experience in requirements management and streamlining the process of mechanical, electrical and plumbing design coordination through the use of BIM. Leite is interested in expanding her work in identifying vulnerabilities related to failures of building systems using sensors to provide input for algorithms.

While a graduate student, she was a teaching assistant for an advanced undergraduate and graduate level course where the students learned construction management concepts and tools such as estimating, scheduling, and 4D CAD. She would like to provide our students with hands-on experience in BIM applications, so that they can see how such technologies support the decision-making process of architects, engineers, construction managers and project owners.



Fernanda L. Leite



Ying Xu

Ying Xu

Assistant Professor, Architectural Engineering

Ying Xu received her Ph.D. from Virginia Tech University. Her research focuses on characterizing emissions of semi-volatile organic compounds (e.g. plasticizers, flame retardants and biocides) from indoor materials and products and investigating the fate, transport and human exposures associated with the release of emerging contaminants in indoor environments.

In addition, she has developed interests in sustainable building energy systems and green building materials, such as environmentally benign building materials design and green building materials assessment; intelligent HVAC systems; building energy simulation; impacts of nano-technological materials; and environmental risk assessment.

Xu was an instructor for the introductory, undergraduate course in environmental engineering at Virginia Tech and was a TA for an advanced heat and mass transfer theory course at Tsinghua University in China. In the classroom, she hopes to balance critical thinking with a solid understanding of broad scientific theories to prepare her student as well-rounded engineers.

Class of 1986-1990 "20 Year" Reunion



Alumni from the classes of 1986-1990 came back to campus in September 2009 with their families to catch up, share memories and see how things have changed. They enjoyed meeting with the Chair, faculty, and student organization officers for lab tours and an update on the department.

The following day, they tailgated before the Texas Tech game, had a lot of laughs, and enjoyed Maudie's Tex Mex - hook 'em!



L-R: Andy Irwin (BSCE '88), Monette Irwin, event organizer Becky Luman Petersen (BSCE '89), and Oscar Rodriguez (BSArE '88)

2009 Inductees

Academy of Distinguished Alumni

Ahmad Abdelrazaq is Executive Vice President of the Highrise Building and Structural Engineering Divisions at Samsung C&T Corporation. He has extensive experience in the design of buildings ranging from complex low-rise



Ahmad Abdelrazaq
B.S. 1984, M.S. 1986

buildings to ultra high-rise, and long span structures. Since joining Samsung, he has been involved in the construction planning and structural design of several international projects, including the Burj Khalifa as the Chief Technical Director. Additional endeavors include the Samsung Seocho Project, Korean World Trade Center and the 151-story Incheon Tower in Korea. Previously, Abdelrazaq was Associate Partner and Senior Project Structural Engineer with Skidmore, Owings & Merrill (SOM) in Chicago, where he was engaged in all aspects of structural engineering from planning and feasibility studies to construction administration. During his tenure at SOM, he was associated with the Jin Mao Tower, Tower Palace III, LG Kangnam Tower, LG Art Center, Chicago Palace, Hotel Vila Olympica, and the Millennium Park Project. He also currently serves as a lecturer at Seoul National University, teaching a graduate high-rise building design course.

As a senior executive and prime manager of several international cooperative ventures, **Zuheir Alami** has made his mark on a global scale. After receiving his undergraduate degree from Cairo University, he attended UT-Austin, obtaining advanced degrees in civil engineering. Alami taught structural analysis courses at the America University of Beirut for fourteen years after graduating

from UT. In 1964, he joined Consolidated Engineering, a Beirut consulting company as its Vice President and Senior Partner. Starting with a handful of engineers, the company now

known as Khatib & Alami, has 3,000 employees with offices throughout the Middle East and has developed into a multidisciplinary urban regional planning, architectural and engineering consulting company. Alami is directly involved in overall management, business promotion, joint ventures and major contract negotiations. He and his firm have contributed substantially to improving the health and well-being of people



Zuheir Alami
M.S. 1959, Ph.D. 1962

in the West Bank and Gaza, Lebanon, Saudi Arabia, United Arab Emirates, and Qatar. A native of Gaza, Palestine, he currently splits his residence between Beirut and Dubai.

Craig H. Benson is Chair of the Geological Engineering Program at the University of Wisconsin-Madison, where he is appointed as the Wisconsin Distinguished Professor of Civil & Environmental Engineering and Geological Engineering. He also serves as Director of the Recycled Materials Resource Center, a federally funded

research center focused on sustainable construction of the transportation infrastructure. Benson has conducted experimental and analytical research in geoenvironmental engineering for 25 years with a primary focus in waste containment, beneficial use of industrial byproducts, and sustainable construction. His



Craig H. Benson
M.S. 1987, Ph.D. 1989

research has included laboratory studies, large-scale field experiments, and computer modeling. He has received several awards for his work, including the Presidential Young Investigator Award from the National Science Foundation and the Distinguished Young Faculty Award from the U.S. Department of Energy. Benson has also received the Huber Research Prize, the Alfred Nobel Prize, and the Croes (twice), Middlebrooks, Collingwood, and Casagrande Awards from the ASCE and is a founding member of ASTM Subcommittee D18.14 on Geotechnics of Sustainable Construction.

With three degrees in Civil Engineering from UT-Austin, **James A. Broaddus** has also had more than one distinguished career: military officer, public servant and owner of a facilities planning, project management and construction firm. During his 20-year career in the U.S. Navy Civil Engineer Corps and Seabees, he built naval facilities throughout the world. While

finishing his Ph.D., he was Associate Director of The University of Texas Construction



James A. Broaddus
B.S. 1970, M.S. 1976,
Ph.D. 1991

Industry Institute, where he focused on implementing research to improve the project management of capital projects. In 1994, he became the senior UT-System official responsible for the statewide capital construction program of 15 institutions. In 2000, he founded Broaddus & Associates, an owner-oriented planning and program management firm based in Austin with offices and projects throughout Texas, Mississippi and Washington, D.C. The family of companies includes two construction firms, PM2i and FJW Construction. Now ranked as the 32nd largest Project Management firm in the U.S., Broaddus & Associates has completed \$5 billion in projects; primarily institutional, healthcare, research and higher education.



W. Walter Chiang
M.S. 1970

A native of China, Wen-Jo "**Walter**" Chiang received his B.S. in Civil Engineering from Chung Yuan Christian University

2009 Inductees

Academy of Distinguished Alumni

in Taiwan and came to Texas as a graduate research assistant with Dr. Gloyna, Dr. Malina, and Dr. Eckenfelder. After graduating with his M.S. degree in Environmental Engineering, he was employed by URS (formerly Forrest and Cotton, Inc.) and later worked as a Project Manager for Dow Chemicals (formerly Hydrosience, Inc.) for four years. In 1980, Chiang started his own firm, Chiang and Associates, Inc., known today as CP&Y, Inc. with multiple offices in Texas and the southwest. As Chairman of the Board, Chiang has more than thirty-nine years of design and project management experience in both environmental and civil engineering projects, particularly with water and wastewater treatment plants. He specializes in water quality assessments, process design, treatability studies, pilot plant studies, and alternative treatment technologies for water and wastewater treatment. He has also been an adjunct faculty member of the Civil Engineering Department at UT-Arlington since 1975.

The son of a UT graduate who was a chemical engineer at Exxon, William M. Isenhower grew up in Baytown, Texas; Melbourne, Australia; and Athens and Thessaloniki, Greece. He earned his B.S., M.S., and Ph.D. civil engineering degrees from The University of Texas at Austin and is recognized by industry as an expert in design and construction of foundations and for his breadth of experience in the laboratory and in the field as an analyst and measurement expert. Over his career, he has worked as a consultant, in government, and as a university professor. He served as a consultant for the United Nations

Development Program and has taught the National Highway Institute's course on drilled shafts since 2001. He is also author or co-author of 30 papers and a



William M. Isenhower
B.S. 1974, M.S. 1979,
Ph.D. 1986

book. Isenhower is currently Project Manager and Chief Engineer at Ensoft, Inc., where he has been involved in software development for foundation design and analysis. The software he helped to actualize is used by approximately 6,000 firms in 76 countries.

H. Thomas Kornegay is the longest serving Executive Director of the Port of Houston Authority. He held numerous positions at the Port Authority during his 37 year career, working his way



H. Thomas Kornegay
B.S. 1969

through the ranks of the engineering department for 15 years before being appointed as managing director and finally Executive Director from 1992-2009. He holds a bachelor's degree in Architectural Engineering from UT-Austin and was certified by the American Association of Port Authorities (AAPA) as a Professional Port

Manager. Kornegay is also affiliated with the International Association of Ports and Harbors (IAPH) for more than 25 years and has risen through the ranks of IAPH leadership. Career highlights include the development of Barbour's Cut Terminal, which set the course for Houston's economic development for over 30 years and the completion of the \$700 million Houston Ship Channel deepening and widening project. Additionally, Kornegay was appointed to serve on the executive committee of the Transportation Research Board, which recommends transportation policy and programs to the National Research Council.



Edgar V. Leyendecker
B.S. 1963, M.S. 1967,
Ph.D. 1969

E.V. Leyendecker is a Scientist Emeritus at the United States Geological Survey (USGS). He is also a consultant on earthquake ground motion and a member of the ASCE 7 Seismic Subcommittee and the Building Seismic Safety Council's Provisions Update Committee. He was employed by the California Transportation Department after receiving his B.S. degree from UT-Austin, then later returned for graduate studies. After receiving his Ph.D., he joined the National Institute of Standards and Technology where he led the structural engineering and earthquake engineering groups by playing leading roles in investigations of major structural failures and earthquake damage. Leyendecker joined the USGS in

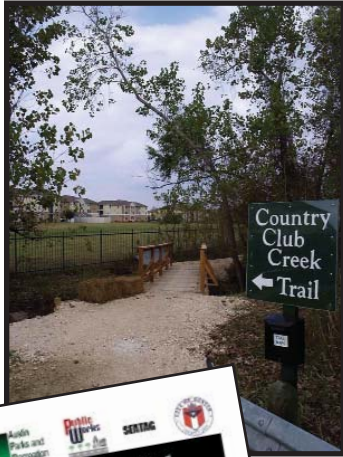
1986 and led research on ground motion parameters for use in structural design and development of ground motion maps. The results of these efforts are included in the International Building Code, the ASCE 7 standard, and the AASHTO LRFD Bridge Design Specification. He has also received the U.S. Department of Commerce Bronze and Silver medals, the USGS Meritorious Service Award, and the Building Seismic Safety Council's Exceptional Service Award.



Joseph A. Yura
Honorary Member

Joseph A. Yura is an Honorary Member of the Academy of Distinguished Alumni, receiving his engineering education at Duke University, Cornell University and Lehigh University. He joined the faculty at UT-Austin in 1966, where he remained for his entire career, educating thousands of students. Before retiring, Yura held the Cockrell Family Regents Chair in Engineering and concentrated his teaching and research in the areas of steel design, stability, structural connections and offshore structures. He has been given numerous awards for his work related to steel structures and made significant contributions to the development of design codes and specifications. In 2000, he was inducted into the National Academy of Engineering for his work on bracing and stability, which led to major changes in the evaluation of sway stability for frames.

Engineering Professionalism at CAEE: Learning by Doing



A direct outcome of the Spring 2009 course was a brochure that students created for the public. It provides an overview of the Country Club Creek Trail, explains recreational easements, and how the trail will affect landowners in terms of liability and property value.

Failures of the New Orleans' hurricane protection system still haunt Geotechnical Engineering Professor Bob Gilbert. But his concern for human safety was a call to action that will benefit our students for many years to come. His post-Katrina assessment of levee-failure risks, alongside the U.S. Army Corps of Engineers, convinced him that engineers need to have a stronger voice in setting public policy. As such, he developed an Engineering Professionalism Course, CE 171P, that will be required for all civil engineering students. The course relies on seminars with outside speakers to address topics such as ethics, professional licensure, business and law, public policy, leadership and life-long learning. Examples of seminar topics include:

- "Business of Being a Professional Engineer" with Randy Poston (BSCE '78, MSCE '80, PhD '84), Principal of Whitlock, Dalrymple, Poston & Associates
- "The Anderson Lane Walmart and the Public" with City of Austin Director of Watershed Protection and Permitting, Victoria Li (MSCE '80)
- "The IH-35 Bridge Collapse and Engineering Practice" with CAEE Professor and forensic analysis consultant Karl Frank
- "Engineers and Public Policy" with policy consultant and a former Austin City Council member, Brigid Shea
- "Climate Change and Engineering" with Research Associate Professor and Atmospheric Scientist at the Department of Geosciences at Texas Tech, Katharine Hayhoe.

What makes this course particularly unique is its service-based learning component. A partnership has been formed with the City of Austin Public Works Department, where students contribute individually and in teams by working on coordinated projects with the City. Last spring, three groups of students

worked on the development of the Country Club Creek Trail, a hike and bike trail in southeast Austin. The students had the

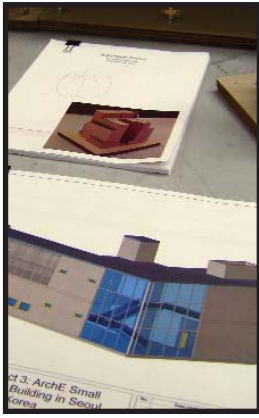


opportunity to interact with a client and the public - they balanced technical and nontechnical factors, worked with professional engineers through the ASCE Austin Branch, and ultimately provided a useful service for the City.

"I felt the course stressed that civil engineers are not just responsible for the functionality and safety of the systems we design, but for the human elements such as public perception, ethics, and disparate impact as well"

-Matthew Homer, CAEE Student

Students also created a brochure for the public explaining the purpose of and logistics for recreational easements. As a result of this hands-on project, students were exposed to real-life issues that practicing engineers face, such as activists who want a beautiful trail regardless of cost and wary property owners who do not want to grant the necessary easements to make it happen. Seeing such complexities of a public-oriented project was constructive for all students involved.



Alumna and teaching assistant, Eleanor Reynolds (center) is helping the architectural engineering design studio integrate BIM into the classroom. She was the recipient of the Jodie and Mary Isenhower Endowed Presidential Scholarship in 2006-07. From fall 2007-09, she held the Wiethorn Family Endowed Presidential Scholarship.

Changing Roles from Student to Teacher

Eleanor Reynolds made her mark as an outstanding undergraduate student in Architectural Engineering – always going the extra mile with a clear passion for what she was learning. Much to the department’s benefit, she has returned as a graduate student not only to further her education, but to work with other students as a teaching assistant in the architectural engineering design studio. Based on what she learned during an internship in the summer of 2009, she is helping to incorporate the use of Building Information Modeling (BIM) into the classroom.

For her internship, Reynolds worked with structural and modeling teams at consulting engineering firm Buro Happold in Los Angeles and was mentored by CAEE External Advisory Committee Member and firm partner, Greg Otto. Educated as both an architect and engineer, Otto found his niche within the common ground of the two disciplines and focuses on digital modeling and collaboration technologies, and their application within the practice. His goal for Reynolds’ internship was for her to “learn the methodologies necessary to support a data centric process and how to port data between software, keeping it accurate and current.”

When she arrived in L.A., she worked on an early stage, performance-based design project, using parametric computer modeling to optimize the structure. She had the opportunity to work with the firm’s modeling team and witness the capabilities of working in a three-dimensional computer design environment. “The modeling team had vast experience in working with geometrically complex, three-dimensional models with parametric design,” says Reynolds. When that project was put on hold, she spent a significant portion of the summer working on several fast track developments that were under

construction in the Middle East, also an invaluable experience.

Upon returning to the department as a graduate student and teacher, Reynolds jumped right into her new role. This academic year, the design studios at CAEE are integrating BIM into the classroom to ensure that students have hands-on experience with this dynamic modeling process before they even enter the workforce. During the first semester, Reynolds worked with faculty to help students become confident in the three-dimensional computer environment.

They learned to use the Revit platform to create intelligent models that imbedded information with their building models for design class.

This spring semester, they will begin creating multiple computer models that link building systems to the architectural models. Consequently, they can see how firms utilize three dimensional computer models to check for compatibility and are learning how to create four-dimensional models by linking a schedule to their computer models. By the end of the semester, the students will be able to produce preliminary design documents.

Another focus this semester will be incorporating the flow of information between software programs, just like Reynolds learned during her internship. Students will utilize the energy analysis software Green Building Studio and Ecotech to inform their design decisions. “Although we are incorporating specific software into the course, our goal is not to simply train students in a specific platform,” says Reynolds. “The hope is that we are giving them the tools to begin to appreciate all that the BIM environment is capable of. They will be able to understand the methodologies of how to work with advanced computer models.”



Eleanor graduated with her B.S. in Architectural Engineering in May '09

Cockrell School of Engineering

Engineers of Distinction

Six alumni from the Cockrell School of Engineering were honored as Engineers of Distinction at the University of Texas at Austin fall commencement ceremony. Two of these alumni are graduates of the CAEE Department - **Larry Farmer** (MSCE '64, PhD '65) and **Sara Nall Ortwein** (BSCE '80)

The Cockrell School's Engineering Advisory Board makes the annual selections based on outstanding professional records, public service, support of education, and other significant achievements.



Larry Farmer has just about done it all - he has been a teacher, researcher, entrepreneur, designer, project manager and engineering/construction executive.

After receiving his doctoral degree from the department, Farmer returned to University of Missouri-Rolla, where he received his undergraduate degree, and taught structural engineering. In 1967, he founded L.E. Farmer, Inc. in Atlanta, Georgia to provide computer software for structural engineering firms. He was a pioneer in developing and marketing structural analysis and design software for use with time-sharing computers. A few years later, he sold this company to CompuServe where he was director of engineering software until 1976, when he joined Brown & Root to develop new offshore platform concepts. He advanced rapidly within Brown & Root, and in his 25 years served as vice president, chief marine engineer, and director of marine construction, fostering the largest design engineering business in Europe.

For ten years (1990-2000), he served as president of Brown & Root Energy Services, during a time in which it was the largest offshore engineering and construction firm in the world. Under his leadership, its size increased five-fold. He retired in 2001 as chief executive of Halliburton Brown and Root Limited and is now a director of Global Industries Limited.

Throughout his career, Farmer has remained a staunch supporter of UT-Austin. He has been a Friend of Alec since 1984 and a member of the Cockrell School's Engineering Advisory Board since 1994. He is also a member of the CAEE Department's Academy of Distinguished Alumni. Larry and his wife, Judie, reside in Monroe, Georgia.

Sara Nall Ortwein became a drilling engineer for Exxon after graduating with her B.S. degree. Over the span of her career, she has had numerous technical, operations, and planning assignments within the upstream oil and gas sector.

She held a variety of positions within Exxon's U.S. production operations, working in New Orleans, Midland and was the Reservoir Evaluation and Planning Manager for Exxon Ventures, CIS, where she worked on new venture capture in Russia, Azerbaijan, and Kazakhstan. Following the ExxonMobil merger in 1999, Ortwein served as Reservoir Engineering Manager and ran production operations in the U.S. From 2001-2003, she served as Advisor to the Upstream Director at the corporate headquarters in Irving, Texas. She was named production manager with U.S. Production in 2004, running all ExxonMobil-operated production operations in the United States.

Ortwein is currently the vice president of engineering for the ExxonMobil Development Company. In this position she is engaged in the integral role of ensuring the technical quality of the engineering work that supports all of the company's projects around the world. She is responsible for recruiting, developing and deploying engineers across ExxonMobil Development Company.

She participates on the advisory council for the ExxonMobil Corporate Initiative on Women's Economic Opportunity, which focuses on building women business leaders and entrepreneurs, reducing barriers to women's economic participation, and helping identify and deploy enabling technologies globally. She is also a member of the CAEE Department's Academy of Distinguished Alumni.

Recent Faculty Achievements



Oguzhan Bayrak was elected a Fellow of the American Concrete Institute (ACI). Fellows are recognized for making contributions to ACI through committees and/or local chapters.

Chandra Bhat received the S.S. Steinberg Award from the Research and Education Division of the American Road and Transportation Builders Association. The award recognizes an individual who has made remarkable contributions to transportation education.



Carlos Caldas received the Construction Industry Institute Researcher of the Year Award for 2009. He was recognized for making significant contributions to improve the construction industry in the areas of information technologies, knowledge management, process improvement, and sensors.



Rich Corsi was named "Professor of the Month" in November 2009 by the UT Austin Faculty Affairs Committee of the Senate of College Councils and the Student Engineering Council. The award recognizes professors on campus for their dedication to students and passion for teaching.

Raissa Ferron was selected by the American Society of Civil Engineers as a "New Face in Civil Engineering". This honor is part of ASCE's program to recognize the contributions of civil engineers during National Engineers' Week



Jim Jirsa was awarded Honorary Membership in the Earthquake Engineering Research Institute. This is awarded to recognize members who have made sustained and outstanding contributions either in the field of earthquake engineering or to EERI and the pursuit of its objectives.

Maria Juenger, is the recipient of the American Concrete Institute (ACI) Young Member Award for Professional Achievement. This award recognizes the contributions of younger members of the Institute for professional achievement.



Kara Kockelman and Cara Wang (PhD 2007) received the 2009 Young Researcher Award from the Transportation Research Board's Committee on Statistical Methods for their paper "Application of the Dynamic Spatial Ordered Probit Model: Patterns of Ozone Concentration in Austin, Texas."



Des Lawler was named the 2009 Fair Distinguished Engineering Educator by the Water Environment Federation. The award recognizes accomplishments in the education and development of future engineers.

Ellen Rathje was elected to a three-year term for the Board of Directors of the Earthquake Engineering Research Institute.



Mike Walton received the Texas Department of Transportation Road Hand Award. This award acknowledges those who have donated their time and energy to improving transportation systems in Texas.

Sharon Wood was named the 2010 Earthquake Engineering Research Institute Distinguished Lecturer. The award is given to members of the Institute to recognize and encourage communication of outstanding professional contributions of major importance for earthquake hazard mitigation.



For more updates, please visit www.cae.utexas.edu/news-events

Excellence Funds: Strengthening our Program

For more than 32 years, the Department of Civil, Architectural and Environmental Engineering has been the beneficiary of Endowed Excellence Funds. Established by CAEE alumni and friends, these excellence funds, represent not only decades of trust in the department's leadership and programmatic direction, but also a true sense of philanthropy and a vision for investing in the future of their department. Some of the faces whose generosity has made an impact on the life of our CAEE Department are shown below.

Endowed Excellence Funds

- Lowber Snow ASCE Development Fund (1978)
- Lowber Snow Faculty Development Fund in Civil Engineering (1978)
- Bettie Margaret Smith Centennial Room in Environmental Health Engineering (1983)
- Bettie Margaret Smith Centennial Room (1983)
- Phil M. Ferguson Lecture Series Fund in Structural Engineering (1988)
- Richard & Shirley Tucker Endowed Excellence Fund in Construction Engineering and Project Management (1998)
- Hudson Matlock Professorial Endowed Excellence Fund in Civil Engineering (2002)
- Friends of Alec Civil Engineering Fund (2003)
- Lymon & Eva Reese Endowed Excellence Fund (2004)
- Civil Engineering Centennial Endowment (2005)
- Roy Olson Professional Endowed Excellence Fund in Civil Engineering (2005)
- W. Ronald Hudson Endowed Excellence Fund in Civil Engineering (2005)
- Charles A. & Linda E. Sorber Excellence Endowment in Environmental and Water Resources Engineering (2006)
- American Constructors Endowed Excellence Fund (2007)
- Dr. Carl E. Adams, Jr. Endowed Excellence Fund in Civil Engineering (2007)
- Rosemary & Daniel D. Zabcik Endowed Excellence Fund in Civil Engineering (2007)
- EWRE Analytical Instrumentation Center Endowment (2007)
- CAEE External Advisory Committee Endowed Excellence Fund (2008)
- Transportation Engineering Endowed Excellence Fund (2008)
- John B. Giddens Endowment (2009)
- Chiang Endowed Excellence Fund for EWRE (2009)
- Charles E. Kolodzey Civil Engineering Endowment (2009)
- Canning Endowed Excellence Fund in Civil Engineering (2009)

"The Sorber Excellence

Endowment in EWRE was created to assist this group in doing things for students that were not funded by other sources"



Professor Emeritus Charles Sorber & Linda Sorber

-Chuck Sorber



Martha Hudson & Professor Emeritus W. Ronald Hudson



Professor Emeritus Earnest Gloyna and Carl E. Adams, Jr. (PhD '69)



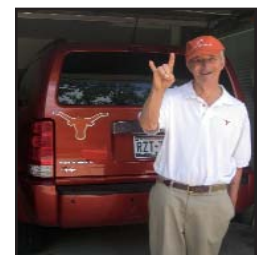
Professor Emeritus Richard Tucker

"Tucker Excellence Funds have allowed us to recruit some of the best graduate students through supplemental support awards"

-CAEE Professor Jim O'Connor



Jimmy Canning (BSCE '79)



Daniel D. Zabcik (BSCE '50)

How to Help Fund Research and Programs

You can invest in our programs and research by providing gifts for immediate use or by creating an Excellence Fund – an endowment which provides funding for the most promising or pressing initiatives in perpetuity. Please contact Kelsey Evans at 512-471-6151 or at kelsey.evans@mail.utexas.edu, to learn how you can start an excellence fund in the name of your family or a favorite professor.

Alumni Updates

CAEE alumni have varied professions and interesting careers.

Faculty, current students, and fellow alumni are always interested in learning about the lives alumni lead after they leave UT.

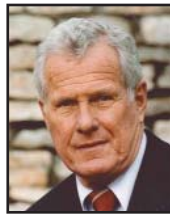
If you have an update you'd like to share - a career change, promotion, retirement, marriage or baby, please email Laura Klopfenstein at klopfenstein@mail.utexas.edu or visit our website at www.caee.utexas.edu/alumni

Carmelita is the daughter of Widianto (BSCE '01, MSCE '03, PhD '06)



Let us know about your future engineer and we'll send a free t-shirt compliments of the **Friends of Alec Annual Giving Program**

60's



Davis L. Ford (MSEHE '65, PhD '67) received the Industrial Water Quality Lifetime Achievement Award at the Water Environment Federation Awards and Presidential Celebration in October 2009. The award "recognizes and

honors an individual who has made substantial and measurable engineering, scientific, and/or operations contributions to the management or treatment of industrial wastes related to the improvement of water quality." Note: Davis has also spent the last two years writing and publishing Earnest Gloyna's biography (see back page).

70's

Kenneth Brown (MSEHE '74) recently retired from AECOM Environment as Senior Technical Consultant. Before that, he worked in a variety of positions with Texaco Refining and Marketing Inc., ultimately gaining the position of Corporate of Manager Environment, Health and Safety with Star Enterprise in Houston.

Walter E. Skipwith (BSCE '72, MSCE '76) was named a Diplomate, Water Resources Engineer (D.WRE) of the American Academy of Water Resources Engineers (AAWRE). The D.WRE represents strong professional ethics and a commitment to life-long learning and continued professional development.



80's

Jerad D. Bales (PhD '86) has been appointed USGS Chief Scientist for Hydrology. The Chief Scientist exercises principal responsibility for the planning and development of national basic and applied research programs related to the hydrologic environment.

Sam Dawson (BSCE '83), CEO of Pape-Dawson Engineers Inc., has been elected by Greater San Antonio Chamber of Commerce directors to serve as the 2010 chairman-elect. He will start serving as chair in 2011.



90's

Gregory A. Kolenovsky (BSCE '98) recently co-founded Trigon Associates, LLC, an engineering, consulting and management company based in New Orleans, Louisiana. He resides in New Orleans with his wife Amy, 5-year old daughter Zoe and 2-year old son Dylan.

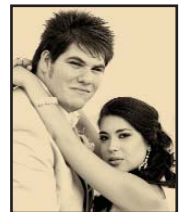


Shan Visvanathan (MSArE '90), Director at Landon Construction Corporation in Ho Chih Minh City, recently travelled to Cambodia to see Angkor Wat with his family.

James D. Pruitt (BSCE '92), manager of the Half Associates, Inc. Flower Mound, Texas office, has been named vice president. Pruitt joined Half in 1995. His design experience includes water, sewer, drainage improvements, site preparation, utility plans, roadways and surveying.

00's

David A. Gomez (BSCE '06) and **Christine D. Perez** (BSCE '05) were married July 2009 in a seaside ceremony at Playa del Carmen, Mexico.

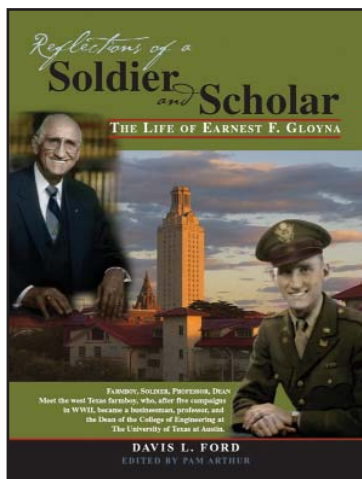


Claudia Gunsch (PhD '04) is pleased to announce the birth of twins Austin and Charlotte on January 16, 2009.



Brad Hyatt (MSCE '03) is an Assistant Professor in the Construction Management Program at California State University, Fresno. He is also the proud father of Maverick Guy Hyatt, born July 2009.

Jeremy Kinne (BSArE '06), U.S. Air Force Civil Engineering Officer, is responsible for design and construction on all base projects. Upon returning home from deployment in Afghanistan, his son, Ethan Steve Kinne, was born just hours after his arrival.



BE A PART OF HISTORY

Dr. Earnest Gloyna's teaching, research, and professional leadership have touched a large number of students, educators, practicing engineers, and decision makers throughout the world.

His life has recently been documented in-depth by alumnus Davis L. Ford, P.E., in his book, **Reflections of a Soldier and Scholar: The Life of Earnest F. Gloyna.**

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