Peggy Selvidge retirement

Peggy Selvidge retired from her position as administrative officer in fall 2011. She was hired by department head Prof. Jack Koelliker (’63–’72) in 1971. She notes, “I feel privileged to have worked for some awesome department heads during my CE career.”

Selvidge assisted various K-State CE heads and interim heads over 40 years including Prof. Bob Snell (’72–’92), Prof. Shia Swartz (’92–’96), Prof. Lakshmi Reddi (’96–’03), Prof. Jim Koelliker (’07–’08), Prof. Yacoub Najjar (’08–’10), and Prof. Alok Bhandari (since ’10).

The CE faculty and staff have always been like Selvidge’s extended family. She enjoyed meeting new students and working with student organizations. She also enjoyed meeting alumni and advisory council members during open house and at barbecues, picnics and events. Since her retire- ment, Selvidge has been doing things at home, spending time with family and traveling. She has been to Arizona and San Francisco, and is looking forward to an Alaskan cruise in September.

“The CE department was a very rewarding place for me to work. I want to thank everyone for the kindness extended to me, and for their friendship. I would love to hear from former students,” says Selvidge. Selvidge can be reached at pselvidg@gmail.com.

Recognizing excellence

When Rachel Spicer, Shawnee, Kan., was younger she frequently went on sailing cruises in the Great Lakes with her grandma. The trips sparked an enduring interest in bridges, dams and other large structures. Spicer, CE senior, turned that interest into a passion and now has been recognized for her efforts.

Spicer received the American Society of Civil Engineers’ prestigious Student Leadership Award. The nomination-based award is given in recognition of leadership in a student chapter or international student group through various activities, including services as an officer, leading special events and interaction with university administration. Spicer has served in a multitude of roles with the K-State ASCE chapter including vice president, 2011-2012 steel bridge team captain and co-chair of the 2011 Mid-Continent Student Conference.

In addition to her involvement with ASCE, Spicer has served in a variety of roles with the K-State College of Engineering, including copy and presentation editor, and editor-in-chief.

Professional progress

Scott Wetzel (BSCE’93, MScE’95) received the 2011 Professional Progress Award from the College of Engineering. He began his consulting career with Bucher, Willis & Raffill Corporation in Salina, Kan., as a project engineer. In 1998 Wetzel was promoted to project manager and in 2003 to team leader.

Currently, he is Vice President and Principal with H.W. Lochner, Inc., a Chicago-based consulting engineering firm. He serves as manager of Lochner’s Austin, Texas, office.
Endowed scholarships

Scholarships are the lifeblood of educational dreams. Today’s students are our future leaders. By establishing an endowed scholarship, you create opportunities for students who may not be able to afford their education or reward them for their academic efforts. Endowing a scholarship may also provide recognition to your family, faculty or distinguished colleague.

When companies and/or industry associations endow a scholarship, they help attract the best and the brightest students to pursue a career in their respective industries or professional fields of endeavor.

We appreciate your consideration. Please visit our website at www.ce.ksu.edu or contact Lori Bugge, Sr. Director of Development, College of Engineering, at 785-532-7539 or email at lorir@found.ksu.edu for more information.

Student travels to Guatemala

Lauren Winnen, Lakewood, Colo., CE senior travelled to Panajachel, Guatemala, during spring break 2010 with K-State’s Engineers Without Borders student organization. The trip was co-sponsored by Heart to Heart International of Olathe, Kan., as part of its community health initiative.

Winnen was part of a seven-member K-State team that checked domestic water filters, volunteered at a local clinic and provided school kids with de-worming medicine. She summarized her experiences in Guatemala saying, “The lifelong memories and lessons that I took from our short time in Guatemala are numerous. I have a much greater desire to connect the resources that we in the United States perceive as being so readily available to us and to use my educational experience to help others do the same. I will never forget the beauty of the area that we were in, from the lake surrounded by mountains and volcanoes to the colorful traditional clothing that the women wore.”

Open house award

The K-State Student ASCE Chapter focused on the 2011 Mid-Continent Regional and improving open house participation. The theme for the 2011 open house was “Pushing the Limits” and the civil engineering department did just that. Festivities began with a parade Friday morning consisting of a float and skit from each department. The civil engineering department wowed the crowd and received a roaring applause with their well-choreographed dance and mural. The students (pictured above) were awarded second place in the competition for their efforts.

Students worked outside of class to put together displays with topics such as previous concrete, surveying, the Hoover Dam and a model of how the Deep Water Horizon oil spill was spugged. Future students were able to get a feel of what civil engineering is all about through the interactive displays as well as hands-on activities in the environmental lab. Children learned about the transportation side of civil engineering by racing remote-control cars through a model of a K-State campus. All the hard work that the many student volunteers put into open house this past year made it a fun and successful weekend.

XE begins mentoring freshmen

Chi Epsilon has been quite busy with recent induction of new members and planning a service project. In fall 2011, the chapter inducted seven new members: Tyler Davison, Moline, Kan.; Brady Critts, Overland Park, Kan.; Dominics Lalrocca, Kansas City, Mo.; Galen O’Toole, Norman, Okla.; Sara Mann, Hutchinson, Kan.; Josh Riley, Lees Summit, Mo.; and Tanner Yost, Minneola, Kan. Along with the new initiates, the K-State chapter selected Cathy Ritter (BSCE ’75), President of Constellation Design Group, Inc., as the chapter honor mentor.

For the biannual service project, Xi officers and initiates teamed up with the U.S. Army Corps of Engineers and went to several playgrounds around Turtle Creek Lake laying down fresh mulch. This spring Chi Epsilon plans to team up with the Corps of Engineers again and help with cleaning up more playgrounds in Turtle Creek State Park.

CE Associate Professor Steven Starrett and department head Alok Bhandari helped start a freshman mentoring program through the CE 101 class. Ten chapter members helped two to three groups of students with their projects, enrollment and civil engineering-related questions. The CE department allocated $1140 toward the mentoring program. This allocation greatly helped the chapter with sending a chapter delegate to attend the 42nd National Conclave, hosted by Pacific District Chi Epsilon Chapters in Los Angeles, Calif. Tom Grier, Shawnee, Kan., represented the chapter in the Conclave and brought back new ideas to the department.

Letter from the advisory chair

What a great time to be associated with the civil engineering department at K-State. Current enrollment is at an all-time high, a new engineering funding initiative has been created by the state of Kansas, and the department staff and faculty are dedicated to making a difference in the lives of civil engineering students.

The Civil Engineering Advisory Council provides a link with the practicing profession and is dedicated to assisting the department in providing the highest quality of education. We provide input on curriculum, assist with faculty recruitment, engage in student activities, assist with ABET accreditation, and help develop research and technology transfer. Our council consists of 12 practicing engineers who are committed to the advancement of engineering at K-State. A large part of our activities involve direct support for Dr. Alok Bhandari, who is an ex-officio member of the council.

A few of the issues on which we are focused this year include ABET accreditation, funding for the department and curriculum review. Over the past few years, the council has spearheaded a survey of employers to solicit information for the ABET assessment process and also met with ABET evaluators during their recent on-campus visit. This process has confirmed the quality of our civil engineering program.

Understanding that adequate funding is necessary to attract and maintain top-level students, faculty and facilities, the advisory council is actively involved with identifying funding sources and educating alumni on needs in the department.

A key function of the council is to review the curriculum and compare current courses with industry needs to ensure the current focus matches identified requirements. Comments from this review are being integrated into the curriculum modification that is underway.

The Civil Engineering Advisory Council is focused on supporting improvement of our civil engineering department and is passionately involved in advancing engineering at K-State. Go Cats!!

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Blast from the past—through the decades

Scott Wetzel

Even as an undergraduate student, Scott Wetzel (BSCE ’93) knew he wanted to design water and wastewater systems. In his first year as a consultant, Wetzel was helping create a computer model for a larger water distribution system. In order to check the accuracy of the model, field tests had to be conducted at various hydrants within the system. Wetzel was assigned to test a hydrant supplied from a 36-inch water main.

When fully opened, the hydraulically released water with a static pressure of over 90 psi shooting water out 50-60 feet, much to his surprise. Born and raised in Tribune, Kan., Wetzel now lives with his wife, Jerie, and two dogs, Sadie and Abbie, in Texas where he opened a new LCOHNER office about five years ago. Outside the office he enjoys attending sporting events, hunting, metal sculpting, woodworking and spending time with his wife.

Hosted by K-State civil engineering, the University Transportation Center (UTC) is a multi-disciplinary research organization dedicated to bringing together transportation professionals, educators and researchers to identify rural transportation problems—and to solve them. The theme of the K-State UTC is the safety and sustainability of rural transportation systems and infrastructure. The center is directed by CE Professor Robert W. ‘Bobb’ Stokes.

Since its establishment in FY 2006, the UTC has supported more than $2,300,000 in research funding that has supported 30 research projects beyond those funded by the Kansas Department of Transportation’s (KDOT) Kansas Transportation Research and New Developments (K-TRAN) program. The Center has awarded 36 UTC scholarships, 27 GRA positions and funding support for the completion of five M.S. theses.

The center has awarded 30 student travel grants to attend national transportation conferences, provided funding support for the KDOT Summer Internship Program and played a key role in establishing a distance education-based graduate certificate program in transportation engineering.

K-State UTC sponsors the annual Kansas Transportation Engineering Conference, the annual Bridge Workshop, and 30 highway safety training courses through the Traffic Assistance Services for Kansas (TASK) program co-sponsored by the University of Kansas, the Federal Highway Administration and KDOT.

Complete details on the University Transportation Center’s programs are available on the web at http://transport.kstate.edu/

The Mid-America Transportation Center was designated as the Region VII (Midwestern) University Transportation Center (UTC) in a competitive process in 2006. Region VII includes Iowa, Kansas, Missouri and Nebraska. The 2006 UTC was a consortium of seven universities within the region with the University of Nebraska-Lincoln (UNL) as the lead institution. CE Professor Mustaque Hossain has served as an associate director of MATC representing Kansas State University.

In recent years, K-State has had remarkable success in augmenting its transportation research, education and technology transfer program through MATC, which has supported research of CE faculty members working on the preservation and safety of our regional transportation infrastructure. K-State’s efforts are directed toward prolonging the life span of transportation infrastructure elements, safety aspects of increased truck traffic on our highways due to increased freight movements and effects of motor cycles in the mix. K-State has also participated in a national pooled-funds project to investigate accommodating oversized/ overweight trucks at roundabouts. MATC projects have supported seven graduate students and provided tuition fees and travel assistance to several other graduate students.

MATC was successful in the 2011 re-competition for regional UTCs as part of USDOT’s $77 million UTC program. The reauthorized MATC will have two new partners: Iowa State University and University of Missouri-Columbia, along with the University of Nebraska-Lincoln, University of Kansas, University of Iowa, Missouri University of Science & Technology, Lincoln University and Purdue University WABM University. The center is funded at $3.5 million per year and will focus its activities on the following USDOT strategic goals: enhancing safety, state of good repair, economic competitiveness and environmental sustainability.

Green Fager, P.E. (BSCE ’69) recently retired district material engineer of KDOT, teaches at a Supplicate Certificate Program of MATC at KSU. About 40 engineers and technicians attend this course every year.

Russell Yarnell

After graduating in the general option of civil engineering, Russell Yarnell (BSCE ’94) decided to pursue his master’s in biological and agricultural engineering. Immediately Yarnell knew he wanted to get his PE and focus on water and wastewater projects.

Seven months before completing his M.S., Yarnell tied the knot with his wife, Christi. They have two sons, Orrie, 4, and Davis, 1. When he is not spending time with his family, Yarnell enjoys running to help relieve stress. He also tries to participate in KSEP and AICE. One of his favorite projects was an ARR-A funded water treatment plant for the city of Russell, Kan. This project was rushed due to government deadlines. Yarnell is currently an engineer for Bartlett and West in Topeka, Kan.

No project is ever perfect, he said, “but make sure you learn from mistakes for future reference.”

Many people claim to “bleed purple” but for Karla Waters (BSCE 00) this a loved lifestyle. Waters enjoys embarking her husband, Jeff, and two daughters, Brooke and Behyde, at K-State football and baseball games.

Originally from a farm southwest of Concordia, Kan., Waters is now a Civil Engineer for Bartlett and West in Topeka, Kan., Wetzel now lives with his wife, Jerie, and two dogs, Sadie and Abbie, in Texas where he opened a new LCOHNER office about five years ago. Outside the office he enjoys attending sporting events, hunting, metal sculpting, woodworking and spending time with his wife.

Karla Waters is originally from a farm southwest of Concordia, Kan., Waters is now a Civil Engineer for Bartlett and West in Topeka, Kan., Wetzel now lives with his wife, Jerie, and two dogs, Sadie and Abbie, in Texas where he opened a new LCOHNER office about five years ago. Outside the office he enjoys attending sporting events, hunting, metal sculpting, woodworking and spending time with his wife.

MATC works to preserve infrastructure

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Seventh consecutive national for steel bridge

The 2011 K-State steel bridge team, led by Matthew Arnold, Shawnee, Kan., and Matthew J. Arnold, Topeka, Kan., swept the regional competition placing 1st in lightness at 364 pounds, economy at $5,638,790, efficiency at $1,766,089; and overall at a total cost of $5,404,839. The team took 2nd in deflection with 0.815 inches, and construction speed with 23.86 minutes and 3rd in aesthetics. The strong finish led the team to Texas A&M University in College Station, Texas, for the National Student Steel Bridge Competition May 21 and 22.

The same rules and scoring are used at each competition. Bridges are judged on their aesthetics, lightness, construction speed, aggregate deflection, construction economy and structural efficiency. Economy is based off of both the build time as well as the number of builders and temporary piers the team utilizes during construction. Efficiency is based on the weight of the bridge and the aggregate deflection. The overall score or cost of the bridge is the economy plus the efficiency. At nationals, the build team

For the first time since 2008, the concrete canoe team placed in the top three at the regional competition. “Catalyst” took 2nd overall out of 12 participating teams, taking 1st place in the oral presentation, 7th place in final product, 7th place in the races, and 10th place in the technical paper. The theme “Catalyst” was chosen by co-captains Jessica Hennes, Berryton, Kan., and Brianna Kryzstof, Baldwin City, Kan.

This theme was sparked from the design challenges the team faced during construction. Efficiency is based on the weight of the bridge and the aggregate deflection. The overall score or cost of the bridge is the economy plus the efficiency. At nationals, the build team

causing the team to miss a 3rd-place finish by only eight thousandths of an inch. This decrease in deflection also decreased the efficiency by $40,829. Unfortunately the team accrued a 300lb weight penalty because the bridge was built crooked on the foundation. The steel “Catalyst” finished 21st in the nation out of the 48 schools invited.

Rachel Spicer, Shawnee, Kan., hopes to lead the 2012 team to an eighth consecutive national appearance on Memorial Day weekend in Clemson, S.C. The regional competition will be held in Lincoln, Neb., April 19-21.

The 2012 team began fabrication in January, starting off with two workdays a week to try to complete the bridge before spring break. The bridge design is also an under truss design, allowing for many design challenges.

Every seven years K-State hosts the Mid-Continent Regional Conference which consists of steel bridge and concrete canoe competitions, geotechnical challenge, technical paper presentations, and a mystery event.

In the geotechnical challenge, students design and fabricate a paper retaining wall. Teams were given tape, scissors, poster board and showing paper for wall fabrication and had to bring a dimensioned wood box with one removable side. Friction was the only thing holding the wall in place. It wasn’t permitted to be taped to the box. This wall must retain approximately 70 pounds of sand for 30 seconds before loading actually begins. The walls were then loaded with up to an additional 75 pounds. Schools were scored by who held the wall the highest, used the least amount of material and fabricated their wall the quickest. K-State took 3rd place out of the three participating universities.

The technical paper presentation topic was “Ethics and the Reporting Card for America’s Infrastructure.” Students turned in a paper to be scored before the conference and presented during competition day. The overall score was equally weighted between the paper and presentation. Rachel Spicer took 3rd place for K-State out of 12 participating schools.

Following the conclusion of presentations was the mystery event. There were two parts to the mystery event. One was to construct a boat that would travel the furthest in the canoe swamp tank and the second part was the boat had to hold the most weight before submerging. Students were given balloons, plastic cups, scissors, tape, pop sickle sticks, rubber bands and straws to use for construction. There was a large variation in the basic design concepts and everyone thoroughly enjoyed the competition.

There were a total of 12 participating universities in the conference. Overall, the universities were very pleased with the conference, the only complaint being the fog conditions and strong wind during the canoe canoe races.
Faculty rewarded with professorships

Endowed gifts such as professorships help attract and retain faculty members of the highest caliber at K-State CE. Contributions made by CE alumni and friends help fund endowed professorships. Three CE professors were appointed to endowed positions in 2011.

CE Professor Mustaque Hossain was appointed as the inaugural Munger Professor of Civil Engineering. The Munger professorship was established by Elmer and Vivian Munger to recognize Harold H. Munger (BSCE ’39), Elmer L. Munger (BSCE ’36) and Harold H. Munger (BSCE ’70), and to provide financial support for a distinguished faculty member in the department of civil engineering.

CE Professor Robert Peterman was appointed as the Martin K. Eby Distinguished Professor of Engineering. The Eby professorship was established by Martin K. Eby (BSCE ’36) and Charles K. Eby (BSCE ’67) in 1995 to help attract and retain a faculty member of superior qualifications in the department of civil engineering or the department of architectural engineering and construction science.

CE Associate Professor Hayder Rasheed, and his graduate student Ahmed Abd El Fattah have updated the K-DOT Column Expert software by extending the nonlinear moment of the area concept to analyze the generalized case of biaxial bending plus axial compression in concrete columns. The development of this software has been funded by the Kansas Department of Transportation.

In addition to standard analysis and design, the software can assess the actual ultimate capacity of bridge piers when subjected to extreme loading events such as truck impacts. The extra strength of the bridge piers comes from confining the concrete columns with closely spaced spiral or hoop reinforcement as well as repairing the piers by wrapping them with fiber-reinforced polymer.

Factors for high severity of truck crashes

Do you know that truck crashes are more severe than other types of crashes? Each year about 4,000 people die in motor vehicle crashes associated with large trucks and about 75% of those fatalities are among the other-vehicle occupants. KSU civil engineering department is conducting a study to identify factors related to high severity of truck crashes on our roadways. Funded by the Mid-America Transportation Center, Dr. Sunanda Kalapudi are analyzing the large truck crash data from Kansas to understand the issue in detail. Based on preliminary analysis, a majority of contributory causes (73%) related to truck crashes involve the driver. Among those, failing to give time and attention, speeding and failing to yield right of way were the top three driver-contributory causes. Statistical modeling of truck crashes identified the factors that lead to increased severity of truck crashes, where it was seen that factors such as driving under the influence of alcohol contribute not only to the occurrence of crashes, but also increase the severity.

Improved high-speed-rail concrete ties

Prestressed concrete railroad ties are becoming increasingly popular in the United States and are an essential component for higher speed railway lines. In order for these prestressed concrete ties to function adequately over their expected service life, the prestressing force must be fully introduced into the railroad tie at a location well before the rail load is applied. The length required to transfer the prestress force into the concrete member is referred to as the transfer length.

Since the prestressed concrete ties are relatively short and have extremely large impact loads applied near the member ends, most of the prestressed concrete railroad tie producers utilize indented prestressing wires or strands. It is generally understood that those indentations serve to improve the bond between the steel and the concrete and therefore reduce the transfer length.

However, because the application of these indented reinforcing steels has been so limited, current design codes in the United States do not yet address the transfer length of indented prestressing steels.

CE Professor Robert Peterman is leading a two and one-half year, $1.35 million research project funded by the Federal Rail Administration. Project collaborators include Prof. Terry Beck, mechanical and nuclear engineering, and Prof. John Wu, industrial and manufacturing systems engineering. Results of the project will generate a quantitative understanding of the interaction between the concrete mix and prestressing steel reinforcements used in the fabrication of prestressed concrete crossties. This knowledge is essential for proper design of concrete crossties used in higher speed railway applications in order that they perform well during their entire service life.

The K-State researchers will be conducting this work in Manhattan, Kan., as well as at the CXT Concrete Tie Plant in Tucson, Ariz.

Software helps strengthen bridge piers

The output of the software is benchmarked against a wide spectrum of experimental data confirming the accuracy of its predictions. Rasheed’s research related to this project was recently published in the Journal of the Franklin Institute: Engineering and Applied Mechanics Reviews.
Arsenic contamination of groundwater

CE Assistant Professor Natalie Mladenov is studying the connections between human development, global change and water quality of rivers, lakes and groundwater. Her current research explores how arsenic contamination of groundwater affects the exposure of more than 100 million people in Southeast Asia to this poisonous element.

Arsenic occurs naturally in the soils of the region and its mobilization is intimately linked to the presence of dissolved organic matter in the groundwater. Much still remains to be learned about the sources of organic matter in arsenic-laden groundwater and the relationships between arsenic and organic matter. Mladenov is using novel techniques to characterize organic compounds and determine their sources. Results from her collaboration with scientists from the U.S. and Bangladesh appear to point to sewage pollution of soils in Asia as the major source of arsenic pollution in arid, sub-Saharan Africa. A better understanding of arsenic mobilization may help mitigate the problem for millions of people affected by this crisis who need clean water or look for new, sustainable sources of drinking water.

New institute to focus on urban water

Water has been identified as one of the most critical resources for the future. In 2011, KSU President Kirk Schulz announced the establishment of the K-State Urban Water Institute (UWI) at the university’s Olathe campus. CE Professor Jeanette Grauerholz is K-State CE’s new accountant. She manages the accounts of the department and various ongoing research projects. Grauerholz grew up in and lives in St. Mary’s, Kan., and attended Washburn University. She brings bookkeeping and accounting experience from university and library settings.

Grauerholz family includes her husband, Dana, 19-year-old Laura and 22-year-old Travis, both KSU students, and 24-year-old Brett and his fiancée Emily, both K-State graduates. In her spare time Grauerholz likes to read, cook, shop and do antiquing. She says in the past months she has learned a lot of interesting engineering terms and inside jokes.

Additions to the civil engineering department

Natalie Mladenov joined the CE faculty in January 2012. She was born and raised in the Big Apple, New York. City. Mladenov attended the University of South Florida, where she received her B.S. in civil engineering, and the University of Colorado at Boulder, where she completed her M.S. and Ph.D. in civil, environmental, and architectural engineering. Throughout her graduate career, she worked in consulting as a water resources engineer. After graduating school, she was a postdoctoral research associate at the University of Virginia and the University of South Florida, where she received her B.S. in civil engineering, and the University of Florida, where she received her M.S. in civil, environmental, and architectural engineering. Her research involves the understanding of how natural organic matter (NOM) influences water quality in pristine and polluted environments. Her ongoing research seeks to evaluate the role of NOM in the mobilization of arsenic in groundwater in southeast Asia and sub-Saharan Africa. She is particularly interested in issues related to water and sustainability in developing communities. Her research also probes questions related to the influence of atmospheric deposition on remote alpine ecosystems and, ultimately, water quality in headwater catchments.

Mladenov has two energetic children, ages 5 and 2, and is married to Ryan McGrath, a professional water resources engineer and instructor in the department of civil engineering. Her hobbies include mountain biking, snowboarding and hiking.

Jeanette Grauerholz

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Grauerholz family includes her husband, Dana, 19-year-old Laura and 22-year-old Travis, both KSU students, and 24-year-old Brett and his fiancée Emily, both K-State graduates. In her spare time Grauerholz likes to read, cook, shop and do antiquing. She says in the past months she has learned a lot of interesting engineering terms and inside jokes.

Ryan McGrath

Ryan McGrath joined K-State CE as an instructor. He comes from Boulder, Colorado. Ryan spent most of his life in Colorado living in Golden, Boulder and Breckenridge and five years in Hawaii on the island of Oahu. Ryan is married to CE Assistant Professor Natalie Mladenov and they have two kids. McGrath has several years of experience as a consultant with civil engineering firms. For the past 8 years he has been an owner of a company focused on surveying and geographical positioning systems. Ryan enjoys bike riding and spending time outdoors with his kids whether it is swimming at the pool in the summer or skiing and snowboarding in the winter. Ryan finds K-State CE interesting as the amount of opportunity for students to have outside the classroom to interact with other students, faculty and industry professionals.

KSU civil engineering fall banquet awards

ASCE Advisor of the Year:
Yacoub Najar

ASCE Outstanding Faculty Award:
Mustaqee Hossain

Chi Epsilon Student Advocate of the Year Award:
Mustaqee Hossain

Chi Epsilon Undergraduate Teaching Excellence Award:
Yacoub Najar

Outstanding Graduate Faculty Award:
Hayder Rasheed

Outstanding Undergraduate and Professional Service Award:
Hani Melhem

Outstanding Research Award:
Bob Peterman

Outstanding Teaching Award:
Hayder Rasheed

Outstanding Freshman Award:
Carl Peterson

Outstanding Sophomore Award:
Dominic Lalocca

Outstanding Junior Award:
Xunchi Zhang (Spring 2011)
Jenny Swabb (Fall 2011)

Outstanding Senior Award:
John Handke (Spring 2011)
Gus Wuertz (Fall 2011)

Outstanding M.S. Award:
Mohammed Albatru

Outstanding Ph.D. Award:
Brandon Bortz

Outstanding Staff Award:
Danna Deters

Outstanding Colleague Award:
Denis Peric

UTC Student of the Year:
Wilson Smith
Distance education master’s degree courses

The civil engineering department offers graduate-level courses leading to a master of science degree in civil engineering. To off-campus students—no matter where they live—all courses needed for the degree will be offered online or by other multimedia delivery methods. Students only need to travel to K-State once, at the end of their program, for an oral examination conducted by their graduate committee. A master’s degree can also be counted as a year of credit toward earning a professional engineering license. For information on earning this license, go to the Kansas Board of Technical Professions online at http://www.kansas.gov/kbtp/.

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Andrew Bernica (Topeka, Kan.) Bartlett & West Inc. CE Scholarship, Bruce E. Roberts Scholarship, Rاثbone Scholarship Fund

Aubrey Coulter (Park City, Kan.) E.C. Lindly Scholarship for Engineering, R.D. and Mary C. Anderson Scholarship, R.O. and M.D. Multicultural Scholarship

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Jenny Swabb (Beloit, Kan.) Bruce E. Roberts Scholarship, Andrew Wiederhold (Hartford, Kan.) Alan & Sharon Sybes CE Scholarship, Kenneth and Maria Rector Scholarship

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