CE CONNECTION

FALL 2015, ISSUE 18

Your Link to the Department of Civil Engineering

INSIDE

SACRAMENTO STATE
Department of Civil Engineering

CE CONNECTION

Chair's Message

Dear Colleagues and Alumni,

Thank you for taking a few moments to read through the fall 2015 edition of CE Connection.

It's been a busy semester so far – enrollment in our program has increased by 14 percent since this time last year, and 35 percent compared to five years ago. This leads to large classrooms that are full to capacity, so our professors are busier than ever educating the future civil engineers of California and beyond. We've also been busy preparing for our six-year accreditation visit by ABET, which allows our program to be internationally recognized as delivering the highest quality engineering education. Accreditation also provides our graduates the fastest pathway to professional engineering licensure.

As you will read in the newsletter, our students and faculty are engaged in educational and research activities that highlight our Department as one of the most vibrant on campus. Examples include two high-profile, multimillion dollar research grants awarded to the Office of Water Programs (OWP), where our faculty were key contributors to the grants' development. Another shining moment for our program came at the 2015 Institute of Transportation Engineers (ITE) conference when our undergraduate transportation students won the annual James H. Kell ITE student design competition. Finally, the Department welcomes three new assistant professors this fall, as you'll read in our "At a Glance" sections.

Our graduates continue to be in high demand by regional, state and national civil engineering agencies and companies. Throughout their careers, alumni take on significant leadership roles in positions that have incredible consequences on civic infrastructure projects and resource management. One of the most rewarding aspects of serving as department chair has been interacting with our alumni at various department and professional events. As best as possible, I want this newsletter to demonstrate the amazing work our alumni are doing, so please send me a message to let me know of your professional accomplishments. This edition features Zachary Craig ('10), a standout student while he was in our undergraduate program, who went on to receive his M.S. at Stanford University, and now works with one of the most recognizable structural engineering firms in the world. Interestingly, his brother, Jonathan, is following in his footsteps as a junior in our program.

Enjoy the newsletter and thanks again for your continued support of our Department.
Ben Fell—Chair, Department of Civil Engineering

An Evening With Industry Speaker to Discuss Downtown Railyard Project

The 12th annual An Evening With Industry will be held on Thursday, November 5 in the Alumni Center and, as in past years, will feature a variety of opportunities for current civil engineering students to interact with professional engineers. With time to meet and greet representatives from engineering firms – which sometimes bring Sacramento State alumni to staff their booths – An Evening With Industry also includes a panel of professionals at various stages in their careers to directly answer questions from current students.

The keynote address will be given by Denton Kelley, managing principal of LDK Ventures, LLC, which through its Downtown Railyard Venture, LLC, has acquired Sacramento's downtown railyard property. He will discuss his firm's plans to develop the property to include a hospital, Major League Soccer stadium, and homes and commercial sites.
Kelley's firm previously redeveloped the McClellan Air Force Base into its current Business Park, and his responsibilities include identifying and executing real estate investment opportunities, as well as sourcing equity capital requirements for LDK acquisitions.

Join us at An Evening With Industry to hear about this long-awaited project; mingle with Civil Engineering Department faculty and staff; and meet current students and fellow alumni.

On the cover...

CSUS alumnus Lam Nguyen ('87) speaks to students about the California High Speed Rail Authority during the Summer Transportation Academy.

Students Design Roundabout Activity for Kell Competition, Win $1,500

In advance of its Western District Annual Meeting, the Institute of Transportation Engineers (ITE) issues a request for proposals (RFP) to campus chapters for the creation of a competitive activity that will involve all students attending the meeting. The winning proposal becomes part of the James H. Kell Competition at the district meeting, and this year, Sacramento State's ITE chapter won the honor.

The ITE district meeting was held in Las Vegas on July 19-22. Several months before that, the Sacramento State campus chapter responded to the RFP, which is designed to find creative ways to engage student attendees within a transportation engineering theme.

"We came up with the idea for students to design a roundabout, and we called the activity 'Ring Around the Roundabout,'" says Vian Somo, one of the seven Sacramento State students who attended the conference along with Dr. Kevan Shafizadeh.

"Ring Around the Roundabout," which split the approximately 80 students into groups of five to six people, consisted of two rounds. In the first round, each group had to sketch a roundabout design based on guidelines provided by the Sacramento State chapter. In the second round, students used duct tape and other provided supplies to create the roundabout on the vast carpeted floor inside the Planet Hollywood Hotel ballroom where the event was held.

> **"We were excited to host at the conference... I love being involved in ITE."**
>
> ***— Vian Somo***

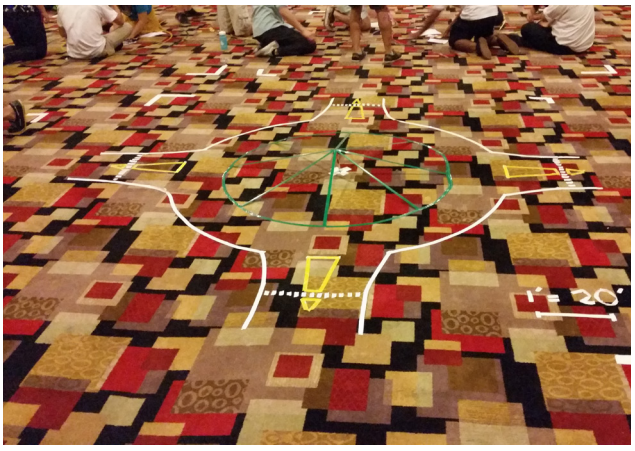
"The teams had 30 minutes to physically create the roundabout," says Vian. "Points were deducted if they took longer. After that, our team that hosted the competition created a huge roundabout with one entrance and one exit (usually roundabouts have four).

We brought scooters to the conference so one person sat on a scooter and another team member pushed them around. It was like a race and it was a lot of fun."

The Sacramento State students were surprised and delighted to be chosen to host the competition, which awarded their chapter a $1,500 check from ITE. These funds were immediately used to support student travel to the conference. The weekly planning meetings between May and the July competition were tiring, says Vian, but the team wanted to ensure the activity was not only a worthwhile educational endeavor, but enjoyable.

The other students who attended from the Sacramento State chapter of ITE were Spencer Ord ('15), Jasmeen Chahal, Patrick Calonia, Sean Ornelas-Linter, Hayley Quan and Malak Alhaidari.

"We were excited to host at the conference," says Vian. "I love being involved in ITE. We had people come up to us and say 'That was really cool, thanks for doing this. We learned stuff we didn't know before and also it was really fun.'"



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Stormwater Improvement Project Takes Shape on Campus

Traditionally, civil engineers have focused their efforts on moving stormwater runoff offsite to a local water body as quickly and efficiently as possible. Today, though, protecting the quality of that water body from urban stormwater pollution is also an important requirement. This is the goal of a new grant-funded project on campus.

Twenty-two rain gardens and bioretention planters are being constructed across the campus. In addition, a portion of Jed Smith Drive is being rebuilt as a "green street" with permeable concrete pavement. All these facilities have one main purpose – to remove pollutants before the water is pumped into the American River or infiltrated into the local groundwater.

Sacramento State's Office of Water Programs (OWP) teamed up with the City of Sacramento to jointly propose the $3 million project, funded from Proposition 84 dollars via the State Water Resources Control Board.

"One goal of Proposition 84 was to provide infrastructure dollars to local governments to improve water quality around the state," says Dr. John Johnston, a professor of civil engineering who also works as a technical advisor for OWP.

This project is the first of its kind to apply the new Sacramento area design manual standards in a retrofit situation. "You can build these facilities relatively easily in new construction," says Maureen Kerner, project manager for OWP. "But to try to shoehorn them into existing infrastructure is a challenging design problem. We stumbled upon several unknown underground utilities during construction."

The project utilizes bioretention – a basin with an "earth filter" consisting of compost and sand planted with drought-tolerant grasses and shrubs – to remove sediments, metals and other pollutants that wash off the streets, walkways and rooftops of the campus. In small storms, the runoff will infiltrate into the soil beneath the bioretention basins. In medium storms, underground pipes will capture the filtered water and direct it to the campus drainage system. Only in large storms will the runoff go directly to the river.

"This is quite an improvement over the existing drainage system," says Johnston. "Right now all the campus runoff goes to the river with no treatment at all." Also being constructed are rain gardens, which are similar to

bioretention but without the underground collection pipes, and bioswales, which are "long, skinny rain gardens," according to Johnston. These concepts combine engineering and landscape architecture.

Because the campus irrigates with well water, a side benefit of the project is that captured water infiltrating into the groundwater will contribute to the campus summer water supply. This makes the project drought-friendly, even if that wasn't the original intent.

Assuming Mother Nature cooperates next winter, Joel Shinneman, civil engineering graduate student and OWP engineer, will lead an effort to monitor the project's effectiveness: tracking the volume of captured water, how much of it is filtered, and the quality of the water sent to the river.

Public education is another project feature. An advantage to the project being built on campus is that the public can see different types of stormwater facilities treating different water sources all in one place. "We are capturing water from parking lots, streets, lawn areas, and even the rooftop at Calaveras Hall," says Johnston. "Members of the public can come to Sac State and see the facilities for themselves." Right now OWP is working with a team of computer science students to develop a mobile app that will take users on a walking tour of the project sites throughout the campus.

On November 4, the Office of Water Programs will co-host a regional Low Impact Development conference together with the City of Sacramento and the American Basin Council of Watersheds, and this project will be a topic of discussion. Registration is available through OWP's website: http://www.owp.csus.edu.

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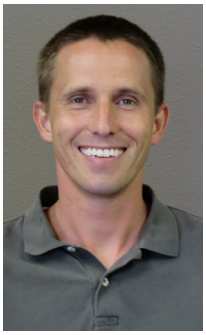
At a Glance
Faculty Profiles

Richard Armstrong, Ph.D., PE



Dr. Armstrong has taught individual classes as a part-time instructor in the Department before, but is now a full-time faculty member. He spent the last six years as a design engineer at the California Division of Safety of Dams.

He earned his Ph.D. in Civil and Environmental Engineering from UC Davis, and a Master of Science in Civil and Environmental Engineering from Stanford University.

Dr. Armstrong says, "My teaching and scholarly interests focus on earthquake engineering, spanning both geotechnical and structural engineering as well as engineering seismology. I get excited about developing and improving the analytical methods used in earthquake engineering. At the California Division of Safety of Dams, I performed seismic evaluations of embankment dams in the state but also helped in the development of the analytical methods used to evaluate both embankment and concrete dams as well as the selection and modification of earthquake ground motions for both types of structures."

This fall, he is teaching Soil Mechanics (CE 171A) and Introduction to Earthquake Engineering (CE 184).

He was born and raised in Winnipeg, Canada, but spent summers in San Diego with his family. "I love the diversity of students in the classes I have – a lot more than I remember up in Canada when I was an undergraduate," says Dr. Armstrong. "It's a pretty even makeup of various ethnicities as well as a variability in ages. I've only talked to a fraction of the students, but I've been amazed at their various stories of how they came to Sac State."

"There are a lot of students here who are the first in their family going to college," says Dr. Armstrong. "I want to continue to help them obtain bachelor's degrees in engineering. That's something that will be really satisfying, 25 or 30 years from now when I look back. I also want to expand the teaching offerings and research opportunities for Sac State students in the geotechnical program and also further connect the Department with various state and federal agencies and consulting firms in the Sacramento region."

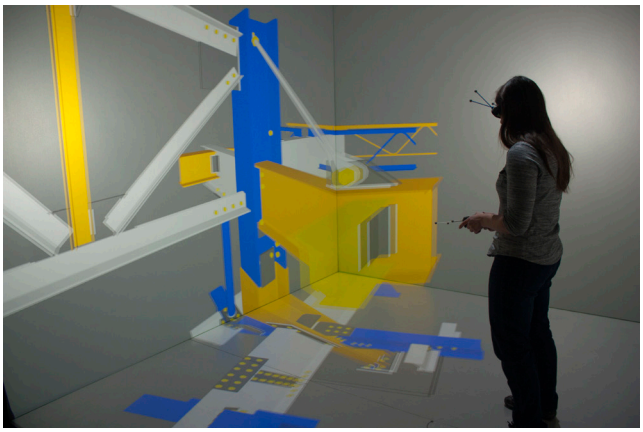
Julie Fogarty, Ph.D.

Dr. Fogarty joined the Civil Engineering Department as an assistant professor of structural engineering, beginning with the fall 2015 semester.

She holds a Ph.D. in Civil Engineering and Master of Science degrees in Civil Engineering and Aerospace Engineering from the University of Michigan in Ann Arbor.

Dr. Fogarty says, "My research has focused on the strength and stability of steel columns that have been damaged as a result of extreme loading scenarios. The overall objective of this work is to provide a better understanding of the behavior of steel moment frames under seismic loading. I was also involved in the creation of visualization tools using virtual reality so students can interact with a structure as it deforms and view the structure from angles that would be impossible in a real-life test setup, due to safety reasons."

She teaches Structural Design in Steel I (CE 163), and Mechanics of Materials (ENGR 112).



This is her first time living in California (born in Nebraska, she also lived in Las Vegas, Baltimore and Ann Arbor). "The students are incredibly friendly and are helping me adjust," she says. "The faculty and staff have been amazing too. I'm really happy I'm here. Sacramento is ideally situated with Yosemite, Tahoe, Napa and the Bay Area surrounding us."

She is taking steps to establish a student chapter of the Earthquake Engineering Research Institute (EERI) at Sacramento State, for which she will serve as faculty advisor.

"I'm hoping to encourage students to enter our profession and be passionate about the work they're doing," says Dr. Fogarty. "I want to improve students' and the public's perception of the importance of our profession by participating in community outreach from the university."

Cristina Poindexter, Ph.D., PE

Dr. Poindexter is a Northern California native who joined the Department in August as an assistant professor of civil engineering. She recently finished a stint as a postdoctoral fellow at the Lawrence Berkeley National Laboratory Computational Research Division.

She earned Ph.D. and Master of Science degrees in Civil and Environmental Engineering from UC Berkeley. Prior to her graduate studies, she worked as a water resources engineer at Stetson Engineers in San Rafael, CA for five years.

Dr. Poindexter says, "I study environmental fluid mechanics as it applies to wetlands, specifically a new type of constructed wetlands in the Delta designed to sequester greenhouse gases but also to reverse subsidence. The Delta has subsided many feet below sea level and it's an unsustainable situation with the rising sea level; some islands in the Delta are at risk of catastrophic flooding. Because the land is so far below sea level, the wetlands have to be constructed and managed."

She teaches two sections of Fluid Mechanics (ENGR 132) and one section of Hydraulics Laboratory (CE 135).

"I'm really enjoying the hydraulics lab," she says. "It's exciting to collect data and start to analyze and understand how experimental values are different from literature. Students are intrigued by why we see disagreement, and how that translates to equipment we use in the lab and engineering practice. And in fluid mechanics, we've moved from fluid statics to dynamics. That's more exciting because the fluids we study are now in motion, not just at rest!"

"I hope to give students a love and appreciation for fluid mechanics and hydraulics so they can apply what they learn later," says Dr. Poindexter. "I'm excited to be close to the Delta. In some places subsidence has reversed more than others so we want to understand why. The more rapidly it could be reversed the more likely the Delta can be sustained, so I want to get students involved in understanding how to maximize what's going on in these wetlands."

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Dr. Khan Presents Paper at International Spatial Statistics Conference

Dr. Ghazan Khan presented a paper at the University of Avignon, France in June at the "Spatial Statistics 2015: Emerging Patterns" conference. Dr. Khan, whose primary academic focus is transportation engineering, also has expertise in spatial statistics. His paper, titled "Developing a spatial analytical framework based on network k-functions – a case study in crash data analysis," was authored jointly with a professor from the University of Wisconsin-Madison.

"The conference was open to any field of science or engineering that applies spatial statistics," said Dr. Khan. The event, which drew about 500 attendees – mostly from Europe – included presentations by researchers and professors of biology, epidemiology, engineering and social sciences. "Traditionally we've been using the classical statistical methods for crash data analysis but I tried to apply spatial statistics to develop some new techniques that could give us more insight as far as factors affecting crashes are concerned," he said.

Dr. Khan said the conference offered international networking and fascinating exchanges with professors outside the engineering field. "This was a unique opportunity given the fact not many of the attendees were engineers, so you have to make the extra effort to gain their attention and acceptance of your work," he said. Based on some of the new contacts he made, "I'm hoping we will produce collaborations that will be very useful for our students and for my own development."

ExCEEd "Boot Camp" a Learning Experience for Dr. Khan

Dr. Khan is the latest Civil Engineering professor to complete the Excellence in Civil Engineering Education (ExCEEd) Teaching Workshop conducted by the American Society of Civil Engineers (ASCE). One of 20 applicants selected from a nationwide pool, Dr. Khan attended the intense, six-day training at Florida Gulf Coast University in June.

"Each day, we started at 6 a.m. and ended at 10 or 11 p.m.," says Dr. Khan, describing why ExCEEd is informally called a boot camp. After dividing into five competing teams, "you sit in a class and the mentor professors lecture, so you learn firsthand about effective methods and means of teaching civil engineering. They focus on all kinds of aspects from curriculum to teaching style, presentation style and how to engage with students."

Participants then must prepare and deliver three lectures, which are videotaped and critiqued by the mentor professors. "It's pretty tough," says Dr. Khan, "because you're used to a certain kind of teaching style and all of a sudden you have one day to address anything from your presentation style to some small idiosyncrasy like saying 'OK' 15 times in 10 minutes."

The immediate feedback from the mentors and fellow participants makes for intense learning and reflection, but in an encouraging environment. "It was really an eye opener," says Dr. Khan. "Having this background knowledge on how students learn effectively in civil engineering puts the different pieces of the puzzle together as far as developing effective teaching expertise."

Upon completion of the program, participants became ExCEEd 2015 Teaching Fellows. The ExCEEd program is a requirement for all new faculty in the Civil Engineering Department. The cost of Dr. Khan's training was subsidized in part by ASCE, and the Department paid the remaining costs.

Water Programs to Establish a USEPA Environmental Finance Center (EFC)

Sacramento State's Office of Water Programs (OWP) was chosen to receive a six-year, $6 million grant to create an environmental finance center (EFC)––one of only eight regional centers nationwide designed to help small communities manage environmental protection program costs.

The U.S. Environmental Protection Agency (USEPA) provides grant funding and support for the centers. OWP's EFC will serve Region 9, which includes California, Arizona, Nevada, Hawaii, American Samoa, the Commonwealth of the Northern Mariana Islands, Federated States of Micronesia, Guam, Marshall Islands, and the Republic of Palau, as well as Native American tribes located within the region.

"The idea behind the environmental finance centers nationwide is to support small, regulated communities to meet required environmental standards in a cost-effective and sustainable manner by providing them with training and education to increase their technical, managerial, and financial capacity," said Dr. Ramzi Mahmood, Director of OWP.

OWP teamed with the Rural Community Assistance Corporation (RCAC) and the Inter Tribal Council of Arizona (ITCA) to apply for and win the grant. Although many details have yet to be worked out, the final agreement with USEPA is expected to be signed soon. This grant is a significant achievement for the Office of Water Programs, and expands on its mission to serve the water and wastewater communities.

SUMMER Transportation Academy

Top and Center: Students attend an educational session at the California High Speed Rail Authority led by Sacramento State alumnus Lam Nguyen. Bottom: On location at the UC Davis Pavement Research Center with Sacramento State part-time instructor Dr. Changmo Kim.

Alumni Spotlight

Zach Craig: On the Cutting Edge

When it comes to structural engineering, designing buildings is an entirely different animal in Florida than it is in California. Fortunately, Zach Craig ('10) is well-prepared for the innovative work he's doing in Fort Lauderdale, Florida with Thornton Tomasetti.

Zach works as a senior engineer overseeing major projects from beginning design stage to construction completion. Thornton Tomasetti, arguably one of the world's leading structural engineering firms, has a global presence with 37 offices and over 1,200 employees worldwide (after a recent merger with Weidlinger Associates).

At Sacramento State, Zach was inspired by research projects he worked on with Dr. Benjamin Fell, including one that examined common assumptions made in structural engineering, particularly stiffness of structural elements. "Those assumptions were analyzed and looked at in matrix analysis," says Zach. "That was a stepping stone to a lot of classes I took at Stanford. It really gave me a leg up."

Zach was accepted to Stanford University's graduate program in Structural Engineering and finished in one year. "From there, I wanted to work for a company that does really big, exciting projects," says Zach. "At the time, California's economy was still just recovering so I interviewed in Chicago and Fort Lauderdale, and Fort Lauderdale hired me first."

He's been involved in major projects, including the roof and renovation for Miami Dolphins stadium, which is ongoing (even during football season) and will be completed by the 2016 football season. "There are few structural engineering firms that do as much stadium work as we do," says Zach. In addition to the Sacramento Kings arena project – in which Zach is not involved – they are working on a new Golden State Warriors arena, and past projects include the San Diego Padres' Petco Park, the San Francisco Giants' AT&T Park, and the Minnesota Vikings' U.S. Bank Stadium.

"The biggest project I'm on right now, I've been working on it for about two years," says Zach. "I've been the primary structural designer on the project since it began and it's currently in construction, so my role has transitioned to construction administration. It's an office building of almost 500,000 square feet and it has a huge parking garage. The main office building is in steel with a base level and four tower levels, with a cantilever that wraps around the entire perimeter of the structure." The structure will serve as a corporate headquarters for American Express.

Another major project was an auditorium for Florida Power and Light, which Zach describes as similar to SMUD or PG&E in Sacramento. "It was wrapped in various irregular precast panels," he says. "Precast is usually very simple but in this case the panels were of irregular geometry. They served as the façade of the building but also served a structural purpose."

That project and others gave Zach the opportunity to use Grasshopper, a powerful parametric modeling program that runs on Rhinoceros, a 3D computer graphics and CAD application software used for everything from automotive design to modeling human organs. "We are able to do

really complex modeling that no one else on the project was capable of doing," says Zach. "Most precast companies don't have the software or experience to do this, and it's on the cutting edge of some of the tools we're utilizing as a company."

With Grasshopper, Zach says, "if you have the model up and the owner is looking at it, they can say, 'What would it look like if it was 30 floors higher, and how big of a shadow would that cast?' You can input that and in real time the structure regenerates. You can take that model and translate it into more commonly used programs such as Revit, which is what everyone uses in architecture, engineering and the construction industry."

Zach expects he'll stay in Florida for the foreseeable future, since he's moving into a leadership role at Thornton Tomasetti, and the job and construction markets are booming. But his link to Sacramento State will remain. His younger brother Jonathan is currently in the Civil Engineering program, and Zach acknowledges the university's ongoing influence.

"What's really great about the Civil Engineering program is that there's so much student involvement in clubs such as ASCE and SEAOCC, which is very important because once you get a job, being able to network with other people is a valuable skill," says Zach. Of his participation in the SEAOCC competition as an undergraduate, he says, "Once you get out of college you really feel the crunch of time. Those student competitions actually put you in that situation where you're forced to think quickly and make decisions."

Having moved from earthquake territory to hurricane country, Zach says "everything down here is controlled by wind design. I do miss the earthquake engineering part of my coursework and not being able to apply it. Hopefully someday I'll have the opportunity to work on a job on the west coast."

SUMMER Transportation Academy

Top: Students visit the Federal Highway Administration in Sacramento. Center: Touring construction site of the Sacramento City College Pedestrian and Bicycle Bridge Project. Bottom: Riding the Regional Transit system in Sacramento.

NEWS & NOTES

Faculty

Ed Dammel recently became the new graduate student coordinator for the Civil Engineering Department.

Students

Andy Qutami was presented with a $750 scholarship from the American Society of Civil Engineers (ASCE) Younger Member Forum at a Sacramento River Cats baseball game. "This scholarship showed me there are people out there who will help provide you with the resources to see that you succeed," said Andy. "Having transferred from another school in 2015, I realized that Sac State had many more opportunities to work on projects and join clubs. I joined the ASCE Mid-Pac water treatment team as co-captain and loved every minute of it – it was a frenzy of constant learning and self-improvement. These competitions allow for students to not only test and build various designs for competition, but to also experience public speaking through presenting your design and research to a panel of judges; and in our industry the ability to communicate is as good as gold. I'd like to become as well-rounded an engineer as possible. This field is one of lifelong learning."

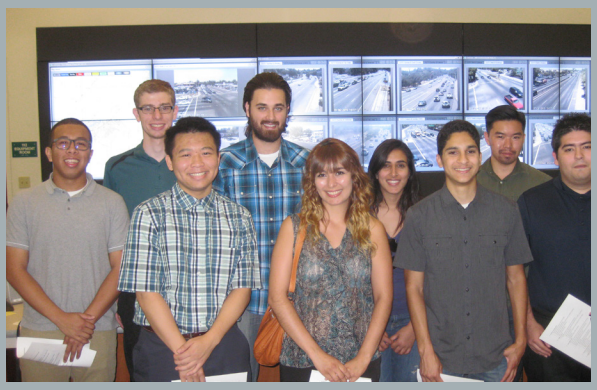
Alumni

2006… Cory Schiestel, PE, is celebrating 10 years with Sacramento County, where he began working while still an undergraduate at Sacramento State. After starting in the Department of Transportation Signal Design Section, he was offered a permanent position as an Assistant Engineer prior to graduation, and in 2006 he became the first of his family to graduate from college. Cory later moved to the county's Department of Water Resources, Drainage Design Section, and in 2010 he received his PE license. In 2014, Cory was promoted to Associate Civil Engineer in the Drainage/Water Supply Design Section, where he has overseen the construction of five drainage projects and one water supply project. "I'm currently assisting my Senior Engineer with an earthen dam improvement project at Mather Airport that will include a new concrete spillway," says Cory. "There was no way to know while at Sac State what I would need in the future, but it doesn't matter because it's all there in my toolbox available for me if and when I need it. I have the foundation and I understand how to learn. Going to Sac State was one of the best decisions I ever made and I'm grateful that the program was so very difficult. There's no doubt in my mind that it's the best civil engineering program in the area."

1977…Eddie Kho, PE (MS '85), received two major honors on October 16 at the American Council of Engineering Companies (ACEC) fall conference in Boston: he was elected to the College of Fellows and received ACEC's Community Service Award. Eddie, who is Principal and CEO of Morton & Pitalo, Inc., was nominated by the California organization of ACEC, which has organizations in all 50 states. Eddie is already a Fellow of the American Society of Civil Engineers and in 2010 received a Distinguished Service Award from Sacramento State acknowledging not only his career with Morton & Pitalo (which began in 1978), but his many years of involvement on various advisory committees and as a lecturer for the Civil and Mechanical Engineering Departments.

Eddie's list of accomplishments and community involvement endeavors – everything from updating the American River Parkway Plan to providing pro bono services to Home Aid Sacramento – could fill volumes, but Eddie's biggest passion as an ACEC Fellow will be continuing his work nurturing the next generation of engineers. "There's an annual commitment for Fellows to assist with programs that benefit our future generation – to be both monetarily and personally involved in ensuring our profession's future," says Eddie, who has already been doing so for decades through scholarship fundraising and mentorship. "There's always a shortage of engineers and it's getting more difficult to become an engineer. There's a lack of students going into the engineering field, even as we make an effort to get students even at the grade school level interested. With ACEC, we've made a concerted effort to encourage students to the STEM [science, technology, engineering and mathematics] field to continue to grow our successors."

SUMMER Transportation Academy



Top: Students visited the Sacramento County Department of Transportation Traffic Operations Center. Center: Learning at the Sacramento International Airport. Bottom: Touring the R Street Corridor with Adrian Engle, Principal at Echelon Transportation Group.

CE CONNECTION

Support the Department

Looking for a way to support the Civil Engineering Department?
We have four different funds that enhance our ability to educate students:

- The Ken Kerri Endowment Fund – Gifts to this fund support faculty and student enrichment activities.
- The CE Freshman Scholarship Fund – Scholarships are given to outstanding freshmen.
- The Graduate Environmental/Water Resources Scholarship Fund – Scholarships go to deserving graduate students in the environmental or water resources engineering areas.
- The Department Trust Fund – These resources support student attendance and participation at conferences and competitions, senior design project team expenses, and equipment for labs when other funds are not available.

To donate to any of these funds, go to www.ecs.csus.edu/ce/support.html and follow the directions for online donations. Or mail a check made out to the appropriate fund to the Department of Civil Engineering, Attn: Ashley Mihok, California State University, 6000 J Street, Sacramento, CA 95819-6029.

UPCOMING EVENTS

November 5, 2015:
12th Annual An Evening with Industry

December 18, 2015:
Commencement

April 7–9, 2016:
Mid-Pac Competitions at University of Nevada, Reno

April 13–17, 2016:
Alumni Week

April 13, 2016:
8th Annual Ken Kerri Endowment Fund Luncheon

May 6, 2016:
5th Annual Civil Engineering Golf Tournament

May 15, 2016:
CE 190 Student Project Presentations