On the cover: autumn arrives at the Wilma H. Schiermeier Olentangy River Wetland Research Park. In this cutting-edge, campus living lab, CEGE students take their classroom experience into the field. Learn how the Ohio Water Resources Center partners with citizens to monitor area streams and rivers on page 9. Read about CEGE students’ efforts to bring clean water to remote parts of Tanzania on pages 12-13. Photo courtesy of University Communications.
Two new faculty members will join the department in January, 2017, while we have three tenure track faculty searches (structures, sustainable buildings and resilient infrastructure) and one professor of practice faculty search (construction engineering and management) currently open. Effective January 1, 2017, our faculty will include 26 tenure track members, two research professors and two professors of practice.

CEGE’s increasingly-diverse faculty members are dedicated to research, scholarship and most importantly, education of the next generation of engineering professionals. Dr. Alper Yilmaz received the College of Engineering’s 2015 Lumley Interdisciplinary Research Award while Dr. Paula Mouser was named the recipient of the 2016 CoE Lumley Research Award. Dr. Seth Young received the MacQuigg Award for Outstanding Teaching in 2016. Read more highlights of our outstanding faculty’s achievements on pages 10 - 11.

Our undergraduate student enrollment has increased over 25% since autumn of 2011. CEGE’s 800 undergrads are diverse, inquisitive and engaged in discovery and experiential learning. Read more about CEGE student success on pages 14 - 15. Our students, 138 of whom are pursuing graduate degrees, represent 18 countries and over 25% of undergraduate students and over 33% of graduate students are women. As we grow, we anticipate continued increase in diversity among our students and faculty.

The department’s research portfolio is growing and becoming both more diversified and interdisciplinary. CEGE faculty and administration, with strong support from industry collaborators, are embarking on a curriculum modernization effort that will reflect the current and future landscape within the engineering profession. Many of the same partners from industry assist with CEGE’s burgeoning capstone program. So that CEGE may better provide facilities that foster students’ learning, creativity and collaboration, the department is continuously evaluating and enhancing its instructional and laboratory spaces.

With assistance from our External Advisory Board, CEGE is leading the creation of The Ohio Institute for Resilient and Reliable Infrastructure. This partnership of stakeholders from academia, industry, research and government will address comprehensive challenges facing Ohio’s and the nation’s transportation enterprises.

Our program continues to look beyond Ohio State’s borders for opportunities for outreach and engagement. CEGE students are an integral part of the Sustainable and Resilient Tanzania Community program, a global engineering service project. Read more about the SRTC effort on pages 12-13. In July of 2017, CEGE faculty and students, with their counterparts from the University of Udine, will learn about sustainable and resilient infrastructure challenges and opportunities during a tour of Italy.

The future is bright for the Department of Civil, Environmental and Geodetic Engineering and we owe much of our success to our many friends and stakeholders. We thank you for your past support of CEGE and we invite you to join us as we forge an exciting future for our students.

Dorota Grejner-Brzezinska
Lowber B. Strange Endowed Professor and Chair
Department of Civil, Environmental and Geodetic Engineering
**CEGExperiences**

(7) CEGE Professor Hojjat Adeli receives an Honorary Doctorate at Vilnius Gediminas Technical University, Lithuania, May, 2015.


(9) Frank Croft, Associate Professor and Associate Chair, CEGE, visits the Great Wall of China after presenting at the 17th International Conference on Geometry and Graphics, August, 2016.

(10) Civil engineering student, Tyler Pica, greets a child at a health facility in the Dodoma region, Tanzania, May, 2015.

(11) Nasir Abdallah, CEGE undergraduate student, collaborates on a design project with area middle schoolers, September, 2016.


(4) Area high school students begin their civil engineering journey on ASCE Career Day, October, 2015. (5) Ben Vera Brown, masters student, poses at his undergraduate commencement ceremony with his diploma and that of his grandfather, William Edward Brown ('39), December, 2015.

(6) Officers of the Society of Environmental Engineers show their Buckeye spirit. Left to right: Cheyney Zhou, Megan Patterson, Audrey Stallworth, Jessica Hespen and Austin Rechner, September, 2015.
WELCOME OUR NEW FACULTY MEMBERS

Andre Carrel, PhD
Assistant Professor

Dr. Carrel received his Master of Science in civil and environmental engineering from the Swiss Federal Institute of Technology and another Master of Science in transportation from the Massachusetts Institute of Technology. He completed his doctoral studies at The University of California, Berkeley, where he earned his PhD in transportation engineering.

Professor Carrel uses automated sensing, big data and computational technology to study and improve urban infrastructure. He previously served as a postdoctoral associate at MIT prior to accepting his new appointment at The Ohio State University.

Karen C. Dannemiller, PhD
Assistant Professor

A joint appointee at Ohio State, Dr. Dannemiller will also serve in Environmental Health Sciences within the College of Public Health.

She received her BS in chemical engineering from Brown University and MS, MPhil in chemical and environmental engineering from Yale University. Professor Dannemiller continued her academic pursuits at Yale University, earning her PhD in chemical and environmental engineering. She joins Ohio State's faculty after having held the position of postdoctoral associate in Yale's Department of Chemical and Environmental Engineering.

Allison A. MacKay, PhD
Professor

Dr. MacKay received a Bachelor of Arts in engineering science from The University of Toronto and MS in civil and environmental engineering from the Massachusetts Institute of Technology. She completed her PhD in environmental engineering at MIT and later, conducted postdoctoral research at the Connecticut Agricultural Experiment Station.

Professor MacKay comes to The Ohio State University after having served as an associate professor at The University of Connecticut, where she held a joint appointment in the Departments of Civil and Environmental Engineering and Chemistry.
Daniel E. Pradel, PhD, GE  
Professor of Practice  
Professor Pradel earned a Diploma of Civil Engineering from the Swiss Institute of Technology in Lausanne. He holds a doctorate in soil mechanics and foundation engineering from the University of Tokyo and a certificate of postdoctoral studies in geotechnical engineering from the University of California, Los Angeles. His main areas of expertise are in slope stability and geomechanical numerical modeling.  
At UCLA, he served as an adjunct Associate Professor in the Department of Civil & Environmental Engineering. Professor Pradel previously held the position of Vice-President at Shannnon & Wilson, an environmental and geotechnical consulting firm in Glendale, California.

Rongjun Qin, PhD  
Assistant Professor  
Professor Qin also holds an appointment in Ohio State’s Department of Electrical and Computer Engineering. Dr. Qin earned his BS in computational mathematics and ME in photogrammetry and remote sensing from Wuhan University and a second BEng degree in electrical communication engineering from Wuhan University of Technology. He earned his PhD at the Swiss Federal Institute of Technology, Zurich, with a major in photogrammetry and remote sensing, in 2015. Dr. Qin joins the College of Engineering after recently conducting research at the Singapore ETH Centre Future Cities Laboratory, an interdisciplinary research center focused on smart city and urban sustainability.

Lei Wang, PhD  
Assistant Professor  
Professor Wang comes to Ohio State after having served as a postdoctoral research scientist in the Department of Earth, Atmospheric and Planetary Sciences at the Massachusetts Institute of Technology. Previously, he served as a postdoctoral research scientist at Columbia University. Dr. Wang's research focuses on geodesy, the science of measuring the size, shape, rotation and gravitational field of the Earth. In particular, he specializes in acquiring, analyzing, and interpreting space-based geodetic measurements. Dr. Wang received his BS and MS, both in geodesy and geomatics, from Wuhan University. He earned his PhD in geodetic science from The Ohio State University in 2012.
“It is very encouraging to see many people excited and interested in stream monitoring.”
Streams and rivers are habitats for diverse organisms. They process pollution and provide opportunities for fishing and recreation. Civil and environmental engineers often work on projects that affect local streams and communities, such as operating and managing publicly owned infrastructure, developing technologies for water purification and wastewater treatment, remediation of pollutants, restoration of streams and design and installation of green infrastructure. These projects often benefit from public participation.

In partnership with the Friends of the Lower Olentangy Watershed (FLOW) and the Ohio Sierra Club Water Sentinel Program, the Ohio Water Resources Center trains citizens to monitor streams and ravines in the central Ohio area as part of a project supported by the Ohio Environmental Education Fund grant. Housed in Ohio State’s Department of Civil, Environmental and Geodetic Engineering, the center aims to increase awareness of water quality issues in urban areas and to involve the public in monitoring physical, chemical and biological properties of streams in their neighborhoods.

Since the beginning of the project, in the summer of 2015, the program has trained approximately fifty volunteers to serve as monitors. The training regimen includes general introduction to the watershed and water contamination (WARN) program, chemical sampling kit and macroinvertebrate sampling. The program sampled 13 Olentangy river tributaries, from Ackerman Run and Glen Echo in the south to Big Run in the north. These tributaries are sampled three times a year (spring, summer and fall), some of them in two separate locations. In 2017 and beyond, the program will continue to support current and new volunteers and sampling locations.

“It is very encouraging to see many people excited and interested in stream monitoring. We are starting to see the wider impact of involving people from the tributaries’ neighborhoods” states Zuzana Bohrerova, OWRC Associate Director. “They feel connected to their streams and become more knowledgeable about the relationship between urban environments and streams’ water quality.”
FACULTY ACHIEVEMENT

Our diverse and unique faculty members are global leaders in professional and academic circles, and are dedicated to educating tomorrow’s engineering leaders. We celebrate all of our faculty members’ achievements and proudly present these highlights of their recent accomplishments.

Jeffrey M. Bielicki (1), Assistant Professor of Environmental Engineering, testified to the French National Assembly (Assemblée Nationale, the lower house of the French Parliament) in a public hearing on integrating renewable energy technologies into the electricity grid: Les Enjeux Technologiques de L’Intégration des Énergies Renouvelables au R’eseau E’lectrique. The hearing took place on May 26, 2016 in Paris.

Tarunjit Butalia (2), Associate Professor of Research in the Department of Civil, Environmental and Geodetic Engineering, has been selected as the 2016 recipient of the Luminosa Award for Unity, an honor presented annually since 1998 by the Focolare Movement Mariapolis Luminosa of North America. Through this award, the Focolare Movement pays tribute to his decades of work in peacemaking, as well as for his scientific contributions to environmental sustainability.

Frank Croft (3), Associate Professor and Associate Chair in the Department of Civil, Environmental and Geodetic Engineering, received the American Society for Engineering Education North Central Section Outstanding Teaching Award at the Section’s 2015 Spring Conference. Dr. Croft also serves as Commissioner of the Engineering Accreditation Commission for ABET and Team Chair for the 2015-16 ABET accreditation cycle. He recently presented at the International Conference on Geometry and Graphics (ICGG 2016), held August 4 - 8, 2016 in Beijing, China.

Dorota Grejner-Brzezinska (4), Professor and Chair of CEGE, was awarded the Johannes Kepler Award on September 16, 2016. The citation, presented to Prof. Brzezinska during the Institute of Navigation’s Global Navigation Satellite Systems + Conference, recognizes significant contributions to the field of satellite navigation. Dr. Grejner-Brzezinska is the 25th honoree, and only the third woman to receive this, the highest honor given by ION. She currently serves as ION president. Profs. Grejner-Brzezinska and Toth (9) received the 2015 US Geospatial Intelligence Foundation (USGIF) Academic Achievement Award “for sustained and significant contributions to advancing the state-of-the-art in GEOINT relevant to national security”.

The only two-time winners of this prestigious national award, they were the recipients of the 2005 USGIF Academic Achievement Award “for research on a personal navigator relevant to national security.” The award was presented at the GEOINT Symposium in Washington DC, on June 23, 2015.
Paula Mouser (5), Assistant Professor of Environmental Engineering, was named a recipient of the 2016 Lumley Engineering Research Award. Made possible through an endowment established by John H. and Mildred C. Lumley, this distinguished faculty award recognizes a select group of researchers in the College of Engineering who have shown exceptional activity and success in pursuing new knowledge of a fundamental or applied nature.

Daniel Pradel (6), Professor of Practice of Geotechnical Engineering, joined the board of the American Society of Civil Engineers (ASCE) Journal of Geotechnical and Geoenvironmental Engineering as an Associate Editor, July 2016.

Rongjun Qin (7), Assistant Professor of Geodetic Engineering, completed the Intelligence Advanced Research Projects Activity (IARPA) Multi-view Stereo 3D Mapping Master Challenge. Prof. Qin placed 4th out of 364 participants worldwide. IARPA’s coding challenge is a part of the agency’s ongoing effort to advance research and innovation within the Intelligence Community.

Halil Sezen (8), Professor of Structural Engineering, was named the Precast / Prestressed Concrete Institute (PCI) Educator of the Year. The award, presented in October, 2016, recognizes educators who have demonstrated sustained educational contributions and impact on the education of undergraduate, graduate, and/or continuing education students.

Charles K. Toth (9), Research Professor of Geodetic Engineering, is the recipient of the International Society for Photogrammetry and Remote Sensing (ISPRS) Schwidewfsky Medal. Awarded in July, 2016, the medal recognizes “contributions to the field of photogrammetric theory and practice in the last three decades”. Toth currently serves as President of the American Society of Photogrammetry and Remote Sensing (ASPRS).

Linda Weavers (10), Professor of Environmental Engineering, was named President-Elect of the Association of Environmental Engineering and Science Professors (AEESP). Professor Weavers is a member of AEESP’s Board of Directors. The organization is made up of over 700 members in universities throughout the world who provide education in the sciences and technologies of environmental protection.

Alper Yilmaz (11), Associate Professor of Geodetic Engineering, received the College of Engineering’s 2015 Lumley Interdisciplinary Research Award. Prof. Yilmaz collaborated with colleagues from the Departments of Mechanical and Aerospace Engineering, Electrical and Computer Engineering and the College of Medicine to use their interdisciplinary expertise in computer imaging, nuclear engineering, data mining in high dimensional data, and high performance computing to study the probabilistic risk assessment of nuclear power plants and nuclear proliferation issues.

Seth Young (12), Associate Professor, CEGE, and Director of the Center for Aviation Studies, is the recipient of the 2016 Charles Ellison MacQuigg Award for Outstanding Teaching. The award is presented annually to faculty members who have demonstrated, in a superior manner, their interest in and willingness to help students, their interest in the improvement of the high reputation of the College of Engineering, as well as their outstanding teaching ability.
One need. One handwritten letter. One simple request from the chairman of a remote village in Tanzania has set in motion an Ohio State humanitarian engineering effort that will, its participants hope, transform the lives of the men, women and children of the village of Marwa.

Located near the Pangani River in the lowlands of the Kilamanjaro region, Marwa is home to an estimated 5,000 – 7,000 people. Its inhabitants are predominantly Maasai, a previously nomadic people, who settled in the region and established the village (and its four sub-villages) in 2011. In January of 2013, Elifuraha Mason, the village chairman, penned a letter to the Kilimanjaro Hope Organization (KiHO), in which he asked for “support on provision of clean and safe water”; the simplest of requests but one that Mr. Mason knew that, if granted, would forever change the lives of his people.

Dr. Michael Hagenberger had become involved in global engineering service projects in Tanzania while he served at a previous institution and he wanted to continue these efforts upon joining the Ohio State faculty in 2014. The next year, he returned to Tanzania with seven undergraduate and two graduate students from Ohio State in tow.

KiHO, the well-regarded and highly effective NGO, had organized site visits in the hope of matching the burgeoning Ohio State team, and its skill sets, with community assets in the Same District. During these initial visits, the OSU team met with village leaders and assessed their infrastructure needs. The Village of Marwa, with both a critical need for water and a permanent, nearby water source, was identified as a logical choice for creation of a water distribution system by the team of Buckeye engineers.
The group returned home and planning for the next trip commenced. Hagenberger intended to put the full resources of a large, land grant university to work for Marwa. Several programs from Ohio State already had a presence in Tanzania and he immediately sought to create synergy between his department and other university entities. “CEGE has a really important role in this (project). The very things that that people wish to provide to Tanzania, are things we do for a living: basic infrastructure, water, sanitation. That’s our wheel house. But how do we collaborate with people around campus and leverage their skill sets to improve the lives of the Tanzanian people?”

He met with Joseph Campbell, a lecturer in the School of Environment and Natural Resources (SENR), who himself had been conducting service learning projects in the African nation. Professor Campbell recommended that they include, in their efforts, Anthony Duke, a veteran of humanitarian efforts to support indigenous and tribal peoples in Australia, Ghana, Mexico and New Zealand. Together, with the people of Marwa Village, KiHO, SENR, and CEGE, the Sustainable and Resilient Tanzania Community (SRTC) project was born.

In May of 2016, Duke, Hagenberger and a delegation of CEGE capstone students returned to Marwa Village to meet with the Same district executive, water engineer and community members. Collecting GPS data, the Buckeye team conducted site assessments to identify possible water sources from the Pangani River. A subsequent trip for additional consultation with community members was conducted by Campbell and Duke in September of 2016 and another technical trip is planned for May of 2017. This time, the Ohio State contingent will include student applicants from, among other programs, CEGE, SENR, The College of Public Health and The Fisher College of Business. What was once a collection of separate programs pursuing disparate goals is coalescing into a concerted effort to begin, what Duke calls a “participatory community engagement” with the people of Marwa. The group, as a whole, will “discuss and negotiate agreed values” he states.

One thing everyone in Marwa agrees on is the critical need for clean drinking water. “When we have water, our lives will change forever” say the villagers. The countless hours devoted to obtaining water will one day be reallocated for other endeavors. The first drop of water to flow into Marwa will create ripples of change in age and gender roles, vocational opportunities and cultural institutions across the community.

The students who volunteer for these trips, who go to Tanzania seeking to improve the lives of others, often find their own lives transformed in the process. “I stepped out of my comfort zone. I was impacted by my experiences. For that, I will be forever grateful” says CEGE student Sierra Heaton. “The experience of rural Africa, the smells, the sounds, the language, the people. It’s very special” adds Professor Hagenberger.

“It was so powerful for me to observe the impact this project had on our students, the next generation of engineers. I can’t imagine us not doing this”.

Ohio State’s SRTC team returns to Tanzania in May, 2017. To learn more about how you can help transform lives in Marwa, please contact: Tony Duke (duke.73@osu.edu) or Michael Hagenberger (hagenberger.1@osu.edu)
CEGE students strive for success in scholarship, research and service. We seek to honor all of our students’ achievements and proudly present these highlights of student success from the 2015-2016 academic year to present.

**Maria Amaya (1)**, undergraduate civil engineering student, was awarded a Research Scholar Award from Ohio State’s Undergraduate Research Office. She also participated in multiple research and service learning projects in North Queensland, Australia during a 2016 May Session study abroad experience.

Maria conducts research for the Coal Combustion Products Program under the direction of Dr. Tarunjit Butalia, Research Associate Professor. She has participated in several research projects related to the utilization of coal byproducts including a coal mine reclamation project and soil stabilization of Chinese soils using coal combustion residues.

**William “Vinny” Anderson (2)**, an MS student in Environmental Engineering, was named a 2016 Environmental Research & Education Foundation (EREF) Scholar. This prestigious, national, scholarship is awarded, on a competitive basis, and recognizes “excellence in master’s and doctoral waste management research and education.” His current research evaluates the feasibility and effectiveness of an integrated Forward Osmosis (FO) – Membrane Distillation (MD) process to reclaim wastewater produced through flue gas desulfurization (FGD) process of coal combustion power generation facilities.

Vinny received his BS in environmental engineering from Ohio State in December of 2015 and began his master’s program in January of this year. He is advised
by Dr. Linda Weavers, John C. Geupel Endowed Professor of Environmental Engineering and co-director of the Ohio Water Resources Center.

Jonathan Ogland-Hand (3), a PhD student in the Environmental Science Graduate Program and Kelsey Hunter (3), masters student in civil and environmental engineering, were among 100 graduate students that were selected in a national competition to attend the Advanced Research Projects Agency Energy (ARPAe) Innovation Summit, in Washington D.C., February 29 - March 2, 2016. The ARPA is a component of the U.S. Department of Energy, and hosts the annual Energy Innovation Summit, which "brings together the very best minds in business, academia and government to advance cutting-edge technologies that could fundamentally advance the way we generate, use, and store energy." Both students are advised by Jeffrey Bielicki, Assistant Professor.

Jianzhu Huai (4), geodetic engineering graduate student, received the 2016 Institute of Navigation (ION) Graduate Student Award for his doctoral research on a collaborative approach to simultaneous location and mapping using crowdsourced data from mobile devices, such as smart phones. Jianzhu has presented his work twice at the ION international conferences, where his work was well-received by experts in the field. Jianzhu is advised by Dorota Grejner-Brzezinska, Lowber B. Strange Endowed Professor and Chair, CEGE.

Sabine Loos (not pictured), a SP16 graduate in civil engineering, was the recipient of a 2016 National Science Foundation (NSF) Graduate Research Fellowship. “These awards are provided to individuals who have demonstrated their potential for significant research achievements” states the NSF. Loos was among a group of awardees chosen from nearly 17,000 applicants. Research played a prominent role in Sabine’s undergraduate experience at Ohio State. For the past two years, she researched deterioration methods in concrete and developed models to predict their effect on the capacity of a prestressed concrete structure. This work took place in CEGE’s Risk Assessment and Management of Structural and Infrastructure Systems (RAMSIS) lab under the direction of Abdollah Shafieezadeh, Assistant Professor. Sabine is currently enrolled in the Sustainable Design and Construction program at Stanford University.

Ashley Matheny (5) was awarded the University’s Presidential Fellowship. The Presidential Fellowship recognizes the outstanding scholarly accomplishments and potential of graduate students entering the final phase of their dissertation research or terminal degree project. Ashley received her BS in civil engineering, BA in Spanish and MS in civil engineering, all from Ohio State. She completed her PhD studies in May, 2016 and now serves as a postdoctoral research associate in Dr. Gil Bohrer’s Ecohydrodynamics lab, where her research focuses on understanding and modeling transpiration from forested ecosystems.

Mariantonieta ‘Mariant’ Gutierrez Soto (6), PhD candidate in civil engineering, was awarded a Presidential Fellowship by the Graduate School at Ohio State. Under the advisement of Dr. Hojjat Adeli, Mariant researches intelligent resilient infrastructures. She has amassed an impressive record of academic achievement, scholarly investigation and university service at The Ohio State University. She is very passionate about the university’s Discovery Themes initiative and previously served as a Graduate Teaching Associate (GTA) in the Department of Engineering Education’s First-Year Engineering Program.
The Distinguished Alumni Awards were established by the faculty of the College of Engineering to recognize distinguished achievement on the part of alumni in the field of engineering or architecture by reason of significant inventions, important research or design, administrative leadership or genius in production.

“The hard work, passion and amazing achievements of our alumni, not only fill us with pride, but also raise the reputation of this great college, and inspire future Buckeye engineers, architects, and city and regional planners to follow in your footsteps,” Dean David B. Williams, Monte Ahuja Endowed Dean’s Chair, told attendees at this year’s Excellence in Engineering & Architecture Alumni Awards ceremony.

The Department of Civil, Environmental and Geodetic Engineering is pleased to announce Raymond S. Kalouche (2015) and Sugu Suguness (2016) as recipients of the College of Engineering Distinguished Alumni Award.

Raymond S. Kalouche is president and chief executive officer of Tube City IMS, LLC, the largest provider of outsourced industrial services to steel mills in North America. Since joining Tube City in 1989, Mr. Kalouche has held management positions in the technical services, marketing and operations divisions within the company. He now serves as a member of its board of directors.

Ray was the recipient of the 2011 International Bridge Award from Global Pittsburgh and is a member and former chairman of the National Slag Association’s (NSA) Board of Directors. A civil engineering graduate, Kalouche received his BS in 1983 and MS in 1985 from Ohio State.

Sugu Suguness is chair of the Civil, Environmental and Geodetic Engineering External Advisory Board at The Ohio State University. A native of Sri Lanka, he began his career at the Japanese Geotechnical Engineering Firm in Singapore. Later, after graduating from Ohio State, he worked as a structural engineer at local companies in Ohio.

In 1992, he founded Prime Engineering & Architecture, Inc. Under his 21-year leadership, Prime provided multidisciplinary architectural and engineering services. Some of his most notable clients included the United States Army Corps of Engineers, the Department of Homeland Security, the U.S. Air Force, the Air National Guard, NASA and the Ohio Department of Transportation (ODOT).
GIVING BACK
The Ohio State University Civil Engineering Alumni Society plays a role in the academic endeavors of the College of Engineering, the Civil Engineering Department, and Civil Engineering students by supporting technical seminars and other events related to our field and by sponsoring departmental scholarships.

ENGAGE STUDENTS
ASSIST FACULTY
CONNECT WITH PEERS

Begin your civil engineering alumni experience at ce.alumni.osu.edu
WHY I GIVE

I attribute much of my personal and professional success to the opportunities provided by Ohio State and the College of Engineering. I was a first generation college student with limited means and Ohio State gave me the opportunity to pursue higher education. I hope to provide the same for motivated and capable students who may not otherwise be able to pursue their dreams.

The education I received at Ohio State prepared me very well for my careers in both the civil engineering profession and academia. In particular, Dr. Vince Ricca (Professor Emeritus, CEGE) was one of the most influential mentors I’ve had during my career. Dr. Ricca was friendly yet direct and demanding. He had high expectations for all of us. I used his classroom approaches as I developed my second career as a professor of civil engineering. My students benefitted greatly from these experiences.

Another motivation for giving to Ohio State is my belief that “water” is now and will continue to be, one of the most significant challenges to continued human development and quality of life. We need the best and brightest to address these issues and it is my hope that this scholarship will make some small contribution to diversifying the student body and ultimately the profession which will be important in tapping the best talent to solve our future problems.

Roy W. Koch, PhD
BS, Civil Engineering (’72)
MS, Civil Engineering (’73)

PAYING FORWARD

There are many ways to offer financial support that will sustain and strengthen scholarship and research in the Department of Civil, Environmental and Geodetic Engineering.

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You can impact the lives of students by creating a specific plan of giving tailored to your intentions.
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For a complete list of CEGE scholarship funds, visit ceg.osu.edu/alumni-donors/opportunities-give
UPCOMING EVENTS

APRIL 8-9, 2017:
OHIO VALLEY STUDENT CONFERENCE
ON OSU'S CAMPUS AND AT SURROUNDING VENUES
400 students from 14 colleges and universities compete in a variety of engineering competitions:
- Steel Bridge
- Balsa Wood Bridge
- Concrete Horseshoe
- Surveying
- Concrete Canoe
- Concrete Bat
- Environmental Design
- Technical Paper

Learn more at u.osu.edu/ovsc2017

APRIL 14, 2017:
T.H. WU DISTINGUISHED LECTURE
featuring Robert B. Holtz, PhD, PE, DGE,
Professor Emeritus, University of Washington

Learn more at ceg.osu.edu/about-cege/t.h.-wu-distinguished-lecture

CONTACT US
We welcome your comments and questions about Benchmarks.
Please contact:
Kevin Satterfield | satterfield.3@osu.edu | 614-247-7749

IN OUR NEXT ISSUE
A growing mentor program pairs CEGE undergraduate students with professional engineers.
TIME AND CHANGE

Olentangy Wetlands boardwalk construction, 1995
Photo courtesy of University Archives