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Upcoming Events

March

3 - EWB Trivia Night

14 – ASCE Luncheon

14 – YMG Meeting

28 - Order of the Engineer

April

15 – A Walk for Education

25 – GI Case Histories and Student
Projects

May

17 – St. Louis Envision Workshop



March Luncheon Tuesday, March 14, 2017

Large Diameter Pipe Piles, Driven Open-Ended: MLK Connector Project

The behavior of large diameter pipe piles driven open-ended is difficult to predict, both the expected pile capacity and the associated driving performance. The principal cause of this uncertainty is the development of a soil plug during driving. On a recently completed pile installation project, dynamic testing was performed on a number of large diameter pipe piles with and without constrictor plates installed to assist in soil plugging.

The MLK Connector Bridge is an eight-span, curved girder structure located in Illinois across from St. Louis. Each pier is founded on two large diameter pipe piles with ultimate capacities ranging from 3,200 to 4,500 kips and final penetration depths of 110 to 130 feet. The foundation piles consisted of open-ended pipe piles with a diameter of 60 inches, a wall thickness of 1.0 inch, a 1.5-inch-thick cutting shoe, and a constrictor plate with a 30-inch diameter opening. The estimated pile lengths indicated that the piles would terminate above the bedrock layer, thus assuming partial to complete plugging of the pile.

The test pile was driven to bearing over a period of two days with intermittent short term interruptions and a 24 hour, overnight, interruption. Dynamic test data shows a loss in capacity at each interruption, which appears to be due to quickly dissipating pore pressures. Measurements of the internal soil columns, and dynamic testing with CAPWAP analyses indicated that pile plugging did not substantially develop, even with the assistance of the constrictor plate. The constrictor plates inflated the blow count and increased the drive time without providing significant benefits. Ultimately, the constrictor plates were removed from a majority of the installed piles.

Speaker

Joel Cumby is a Senior Resident Engineer with the Illinois Department of Transportation in their Region 5, District 8 – Collinsville office. He received his Bachelor of Science in Civil Engineering from the University of Missouri at Rolla. He is a registered Professional Engineer in Illinois and Missouri. He has over 17 years of experience in construction engineering.

Time, Date, Location

11:30am to 1:00pm, March 14, 2017, at The Engineering Center, 4359 Lindell, St. Louis 63108. Registration starts at 11:30am and lunch is served at 11:45am. The program will begin promptly at 12:00pm. One (1) PDH available.

Cost

\$15/person, students and members in transition \$5 (checks payable to ASCE).

Registration

Please register and pay online at <https://goo.gl/d7yTqX>, or call the Engineering Center 314-533-9333, or by email: info@engineersclub.net for reservations by **4:00pm, Thursday, March 9**. ASCE is charged for all reserved lunches. If you've signed up and can't make it, please cancel by Thursday before the meeting or we may have to charge you for the meal.

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President's Message

Matt Harper

With another Engineer's Week in the books, I hope you had the opportunity and time to attend some of the great events during Engineer's Week. I was able to attend the joint society luncheon where Virginia Tech University Professor Marc Edwards spoke on the Washington D.C. and Flint, Michigan water crisis. I found it very eye opening how in each situation, the ethics within the regulatory agencies were very poor and how they would never own up to what they had done, always pushing blame to someone else. Also, in each case, the

whistleblower(s) were often the ones penalized, whether it was by losing their job, being ridiculed, losing research funding, or losing friends and colleagues. Often, doing the right thing isn't the easiest or the most popular, which makes it tough. For those who were able to attend the joint luncheon, I hope you came away with a renewed sense of purpose as engineers to do the right thing as what we do often impacts the day to day lives of the general public. I want to thank The Engineering Center, the St. Louis Chapter of EWRI, and Joel Burken with MS&T for helping organize the luncheon and bring Marc Edwards to St. Louis.

Another event I attended, along with approximately 200 other ASCE members and student groups, was the long anticipated Dream Big Movie Premier Event at the St. Louis Science Center. The movie was shown in the Omni Max Theater and did not disappoint. I want send a special thank you to ASCE members Brandi Jones and Alison Graves for their hard work in putting the event together. We had 10 sponsorships with each covering the ticket costs for 10 students to attend the event. I had multiple high school teachers come up to me during the reception following the movie thanking us for inviting them and telling me how inspired they and their students were after watching the movie. The goal of Dream Big is to inform the public about the important work engineers do, helping to heighten interest and change perceptions about the profession, and also to inspire young people to consider careers in engineering. I think the Dream Big Movie was definitely an excellent start to doing just that. I would also like to thank Steve Burrows for the great Q&A session immediately following the movie. Steve was in the movie, and also helped make it. There were many great questions from the audience, including a high school student saying she was inspired by the movie. For more information about the Dream Big movie and educational outreach opportunities, please click on this link www.asce.org/dream-big.

March is one of my favorite months. There is always hope winter weather will soon be coming to an end, this year being an exception, but the warm February has me scared about March and snow. Cardinal spring training is in full swing down in Florida with Opening Day not too far down the road. Youth spring sports have started or will be starting very soon. Summer vacation plans are in the works for many families. Around our house, March is when we get the fishing boat out of storage and look at the calendar to see when my sons and I can schedule a day on the lake. It usually involves trying to fit it in around baseball and t-ball practice and games. We are very fortunate to have nice lakes here in Missouri and Illinois that make day trips pretty convenient. I hope everyone has a good month!

Sincerely,

Matt Harper, P.E.

5th Annual Legislative Drive-In to Jefferson City

On Wednesday February 15th, 2017, Government Relations Committee Chair & Missouri State Advocacy Captain **Dennis Boll**, **Alison Graves**, and **John Weiland** met up with **Sheryl Gallagher** from the Kansas Section in Jefferson City for the 2017 Missouri Legislative Drive-In. The day started with lunch at Arris' Pizza across the street from the Capitol, where we compiled handouts for legislative visits, including the 2013 Report Card for Missouri's Infrastructure and ASCE's Failure to Act Studies report. Our "Ask" this year:

1. Increase Transportation Funding
2. Protect funding for STEM programs
3. Maintain Missouri's Qualifications Based Selection
4. Preserve requirements for Professional Engineering Licensure

We met with legislators or staffers from the offices of:

- Rep. Fred Wessels, D-St. Louis
- Rep. Kirk Mathews, R-Eureka
- Rep. Phil Christofanelli, R-St. Charles
- Rep. Bryan Spencer, R-Wentzville
- Rep. Kevin Corlew, R-Kansas City
- Rep. T.J. Berry, R-Kearny
- Sen. Jacob Hummel, D-St. Louis
- Sen. Dave Schatz, R-Sullivan
- Sen. Bill Eigel, R-St. Charles
- Sen. Dan Hegeman, R-Cosby



State Advocacy Training

Are you interested in legislative issues affecting your role as civil engineer and ASCE member? ASCE has well-developed and active issues and advocacy programs. For an overall view and links to more details, please visit

http://www.asce.org/advocacy_programs/.

Among those programs there are opportunities to develop relationships to offer your perspective on issues related to civil engineering not only at the federal level, but also at the state and local levels. St. Louis Section's Government and Public Relations Chair, **Dennis Boll**, recently participated in ASCE's *State Advocacy Captain* training. Members interested in learning about and getting involved in the vital legislative outreach initiatives at the state and local levels can learn more about them by visiting the Section's Legislative report webpage at <http://sections.asce.org/stlouis/Legislation.htm>.

Infrastructure Report Card Committee

The St. Louis Section of ASCE, in a joint effort with the Kansas and Kansas City Sections and the Wichita Branch, is initiating an effort to produce a state infrastructure report card. This report card will be consistent with ASCE's national report card which can be viewed at <http://www.infrastructurereportcard.org/>. The 2013 Kansas and Missouri State report cards are also available for review under the States tab.

We are currently seeking volunteers to serve on the report card committee. This effort will take approximately one year starting in February, 2017. A kick-off informational webinar will be held mid to late February with how the existing report cards are updated. Basically, volunteers will serve as "champions" or with a team for a specific type of infrastructure. As a champion or as part of a team, you will make contacts to agencies and organizations in an effort to find as much existing information about the status of the particular type of infrastructure as possible. You will then be responsible for a four to six-page write-up explaining the importance of the infrastructure to this region and summarizing the future needs to maintain or improve the infrastructure. Infrastructure categories that will be graded include: Aviation, bridges, dams, drinking water, energy, inland waterways, levees, rail, roads, schools, solid waste and wastewater.

If you are willing to help with this effort, please contact Chad Schrand at cmschrand@hornershifrin.com or 314-335-8670.

Administration Openings

ASCE St. Louis Section is seeking dedicated members to open chair committees as briefly described below, with the opportunity that the incoming chair will "make it their own."

Newsletter Editor – The Newsletter Editor will be responsible for producing and publishing the ASCE St. Louis Section monthly newsletter and mid-monthly updates, distributed electronically via email to Section membership. The Newsletter includes announcements regarding activities of the Section and furnishing news, both professional and personal, of special interest to the members. The Editor's primary goal is to communicate to all local members news of past, present, and future activities and programs for the purpose of stimulating greater interest and participation in Section affairs.

Membership Champion - The Membership Champion will be responsible for promoting membership in ASCE of all qualified civil engineers, and to encourage active membership in the local section by all ASCE members in the area. Responsibilities also include outreach to non-member civil engineers in the area, inviting them to Section meetings, and encouraging them to join and become active in ASCE.

Public Information Coordinator – The Coordinator will be responsible for increasing public awareness of ASCE and civil engineering within the local community and to gain recognition of the Section within the Society. The Coordinator will organize press releases to local publications regarding special activities and local and national awards, as well as articles to highlight Section activities for ASCE publications.

Please contact John Weiland (jweiland@wadetrim.com) to further discuss the details of operating one of our Administrative committees.

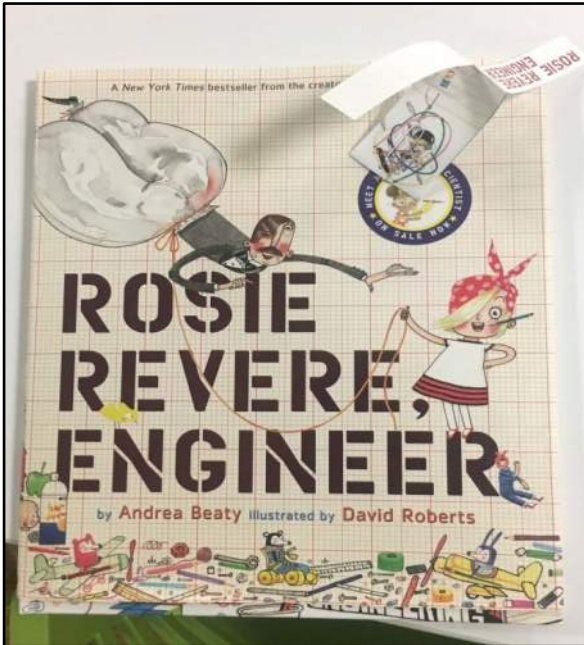
ASCE St. Louis Section Department of Professional Development Openings

Continuing Education/Attendance Committee – The Committee will be responsible for greeting members and guests at general membership meetings, collecting event fees, documenting attendance, providing PDH certificates to attendees as appropriate, and notifying the president of any unanticipated dignitaries at the events. Please contact Alison Graves (alison.graves@jacobs.com) to further discuss the details of operating one of our Professional Development committees.

Diversity and Inclusion Committee

Introduce A Girl to Engineering Day 2017

February 24th was Introduce A Girl To Engineering Day 2017! ASCE St. Louis Section partnered with the Girl Scouts of Eastern Missouri to recognize this day. ASCE professional and student members (**Alison Graves, Bethany Gordon, Christine Palmer, Karen Rieken, Mary Beth Hugenberg and Melantha Norton**) facilitated the “Rosie Revere, Engineer” activity for thirty 2nd and 3rd grade Girl Scouts. Members read the story of *Rosie Revere Engineer* by Andrea Beaty and walked the girls through the engineering process -- problem solving, planning, designing, testing, failing, and redesigning of their own “helio-cheese-copter” (paper helicopter). *Rosie Revere Engineer* is the story of a young girl who is afraid of failure but is eventually encouraged to share her inventions by her great-great aunt Rose. Girls were engaged and were excited about learning more about engineering! While the girls came up with a variety of designs and had different levels of “success” on the task, they were encouraged to keep experimenting, failing, learning and experimenting some more. 2nd and 3rd graders make great engineers! In the words of Rosie “Life might have its failures, but this was not it. The only true failure can come if you quit.” #girladay2017



A Walk for Education 2017

ASCE St. Louis Section will partner with NSBE St. Louis Alumni Extension for the third year at the annual “Walk For Education”. This event will be held on April 15th, 2017 at the St. Louis Community College - Florissant Valley. The goal of A Walk for Education (AWFE) is “to increase awareness of the opportunities available through education particularly in the STEM fields and to shatter myths about African Americans in math, science, engineering and other technologies.” This event will reach at least 200 students.

Any members interested in volunteering or if you have questions please contact Melantha Norton at mnorton@stlmsd.com.

Younger Members Group

Join us for happy hour!

Thank you to all our members who came out to our February meeting with the SIUE ASCE student chapter! It was a great night of networking for our YM and student members. Come join the next monthly meeting with our St. Louis YMG!

March YMG Meeting:

Tuesday, March 14, 2017

Civil Life

3714 Holt Ave, 63116

6 PM to 8 PM

Agenda:

We'll be reviewing all our February events including Trivia Night and Engineer's Week as well as begin planning our next event – the Mentor Luncheon!



Success at Trivia Night!



Huge thank you to all our sponsored tables at our annual YMG trivia night that was held on Friday, February 17th. We had a total of 12 tables come out for a night of trivia, raffles, and fun. Huge thank you to our very dedicated YM Trivia Chair, **Brandi Jones**. This event was truly a success thanks to your hard work!

YMG at the Multi Regional Leadership Conference

This past month, a few of our members, **Chris Toenjes**, **Jordan Pettibone**, **Brandi Jones**, and **Melissa Marks** attended our Multi-Regional Leadership Conference in Minneapolis. This was a great opportunity to meet others in Region 7, network, and discuss opportunities for the year. Our members also enjoyed the social events including a refined clip of the *Dream Big* movie and a curling event.





ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE
St. Louis Chapter

THE ASCE ST. LOUIS SECTION AND EWRI PRESENT
2017 Environmental & Water Resources Institute Spring Seminar

WATER, WATER, EVERYWHERE

Join us for an informative ASCE/EWRI-sponsored seminar addressing current and emerging water-related topics in our region including drinking water, stormwater, and wastewater.

Seminar will be held at:

The Engineering Center
4359 Lindell Blvd. – St. Louis Missouri, MO 63108
Friday, April 21, 2017

Registration 7:30 AM to 8:30 AM
Program 8:30 AM to 3:30 PM
6 PDHs provided
Continental Breakfast and Lunch included

Cost:

\$50 for Members
\$75 for Non-members
\$25 for Students

Sponsorships available for \$150

Online Registration and Sponsorship Commitment available at the link below:

[Register HERE](#)

Questions?

Phillip Blonn
ASCE/EWRI Spring Seminar Committee Chair
314-335-3049

Phillip.Blonn@ch2m.com

2017



GEO-
INSTITUTE



Case Histories Seminar and Student Projects

TOPICS: "Quality Assurance and Control for Jet Grouting Projects"
by Greg Terri, PE – Hayward Baker, Inc.

"Use of Wicking Fabric to Dehydrate Road Embankment under Unsaturated Conditions"
by Xiong Zhang, PhD, PE – Missouri University of Science and Technology

"Kaboom! Mitigating Adverse Blasting Impacts Without Reducing Effectiveness" by Greg Hempen,
PhD, PE, RG – AECOM

DATE AND TIME: Tuesday, April 25, 2017 5:00 pm to 8:30 pm

5:00 pm	Registration and networking; student poster display
5:30 pm	Buffet dinner
6:00 pm	Student posters presented
6:30 pm	Program begins
8:30 pm	Closure

Full meal will be provided and two and a half (2.5) PDHs will be awarded.

LOCATION: Engineers Club, 4359 Lindell Blvd. St. Louis, MO 63108

COST: \$40.00 for ASCE Members; \$50.00 for Non-ASCE Members; \$20.00 for Full Time Students. Advanced payment is appreciated. Credit card payments can be made at the link below. Registrations with check or cash payment at the door can also use the link below.

RSVP: Register by Tuesday 04/18/17 at:

<http://events.constantcontact.com/register/event?llr=yonzmehab&oeidk=a07eduqymz2c33402a> or
<http://events.r20.constantcontact.com/register/event?oeidk=a07eduqymz2c33402a&llr=yonzmehab>,

or contact Jake Schaeffer at jschaeffer@tsigeotech.com or 314-373-4013.

A limited number of sponsorship opportunities are available for this event. If interested, please contact Jake Schaeffer.

ASCE is charged for all reserved meals. If you've signed up and can't make it, please cancel by 04/18/17 or we will have to charge you for the meal.

SAVE THE DATE

St. Louis Envision® Workshop

May 17, 2017

The St. Louis ASCE Chapter's Sustainability Committee is sponsoring a full day Institute for Sustainability Envision® Workshop on May 17, 2017 at the Engineer's Club.

ENVISION

Envision® is a sustainability rating system and planning guide for introducing sustainable considerations into infrastructure projects. The purpose of Envision® is to foster a dramatic and necessary improvement in the sustainability performance and resiliency of physical infrastructure. The rating system is being used on many projects in Missouri and across the nation.

The ISI approved workshop will prepare participants to take the Envision® Sustainability Professional (ENV SP) accreditation test.



The workshop will be conducted by ISI Approved Trainer **J.C. Alonzo, Shockey Consulting Services**

Registration for 24 participants will open on Monday, April 3.

For more workshop information, please contact **Yosef Howley, YosefHowley@altaplanning.com** 314.403.7465.



ADDITIONAL INFORMATION WILL BE IN THE APRIL NEWSLETTER.
INFORMATION REGARDING ENVISION CAN ALSO BE FOUND AT WWW.SUSTAINABLEINFRASTRUCTURE.ORG.

4th Annual St. Louis Work Zone 5K

SAVE THE DATE ... SATURDAY, APRIL 1ST, will be our **4th Annual St Louis Work Zone 5K**. Our St. Louis Fit for Life team, along with sponsoring partners, will host the 4th annual St Louis Work Zone 5K Run, Walk and Fun Run on **Saturday, April 1st**.

This event will:

- Enhance the fitness and health our employees and their families
- Create awareness of work zones and honor those workers who have lost their lives in the line of duty
- Have a great family friendly morning

This event is open to employees, their families & friends and the public. Last year this event attracted almost 350 participants.

Please put Saturday, April 1st, St Louis Work Zone 5K on your calendar. Please begin walking, running and simply getting prepared to participate now. Our Fit 4 Life Team is hoping to see many MoDOT family and friends at this event!!

Register or volunteer at: <https://www.athlinks.com/event/work-zone-5k-132863>

Cost is \$15 and that includes our cool t-shirt and a finishers medal!!

P.S. Volunteers receive free t-shirt!

For more information, call or email Tom Blair at 314-453-1803 or Thomas.Blair@modot.mo.gov

2017 Finisher's Medal Design



2017 T-Shirt Design



Order Of The Engineer

Hosted by SLU ASCE Chapter and the Civil Engineering Department



- One-Time Thing
- \$20 Charge for Ceremony and Ring
- No Dues
- No Extra Meetings

Who:
Graduating Seniors
and Engineers in Industry

Date:
3/28/2017

Time:
7-9 pm

Where: Pere Marquette,
Inside DuBourg Hall

The Order of the Engineer was initiated in the United States to foster a spirit of pride and responsibility in the engineering profession, to bridge the gap between training and experience, and to present to the public a visible symbol identifying the engineer.

Address:
Saint Louis University
221 N Grand Blvd
St. Louis, MO 63103

RSVP to asce@slu.edu by March 12th

Get Your Ring Sized!

Date TBA upon RSVP to the event
(Before March 13th)

Saint Louis University
3450 Lindell Blvd
St. Louis, MO 63103

Contact:
Phone: (217) 440-6565
Email: hugenbergme@slu.edu

SAINT LOUIS
UNIVERSITY
PARKS COLLEGE
of ENGINEERING, AVIATION
AND TECHNOLOGY

Annual ASCE/ASLA Golf Tournament



Save the date!!

ASCE and ASLA will hold our Annual ASCE/ASLA Golf Tournament the morning of Friday, September 8, 2017 at Forest Park Golf Course. Registration and sponsorship information are coming to the ASCE website and newsletter. In the meantime, mark your calendars now to help raise money for our scholarship fund!

Contact Matt Glisson at 314.569.9883 or mglisson@braunintertec.com for more information.

Judges Needed for STEM Competitions

Science Olympiad at Lindenwood Univ-Belleville

We are holding our Annual Regional Competition on **Saturday, March 11** at Lindenwood Univ-Belleville and are seeking volunteers to help run events. If you are not familiar with Science Olympiad, it is a STEM competition containing 23 events in all areas of science. Jr. High and High school teams compete in all the events. They may perform labs, take tests and build structures prior to the competition and run them at the events against other teams. All of these events require 2 to 3 people to help run and score them. We would appreciate any help from your society.

Contact **Patricia Szpila** at airdrop1@aol.com to volunteer or for more information.



Chapter Technical Talks

COST:

MO ACI Members - \$20
Non-Members - \$25
Students - \$10

LOCATION:

STL Hilti Center

DATE:

March 9, 2017

TIME:

7:30am-9am



Course approved for 0.1 CEU / 1PHD

ACI Repair Code

This presentation will introduce the ACI 562-16, "Code Requirements for Assessment, Repair, and Rehabilitation of Existing Concrete Structures and Commentary." This is the first U.S. code produced specifically for the repair of reinforced concrete. A new guide document for the code with additional information and project examples that help users interpret the code requirements will also be highlighted. Topics covered in this presentation will include:

- Why a repair code is needed
- The philosophy behind ACI 562
- How the code promotes consistency in repair design
- Recognizing repair construction challenges
- Significance of a quality assurance program for successful repairs
- How the code can save the owner money

Date: Thursday, March 9, 2017

Time: 7:30am – 9am

Venue: Saint Louis Hilti Center
2815 Scott Avenue, Building C
St. Louis, MO 63103

We will also give away a FREE digital subscription to the MCP – Manual of Concrete Practice which is valued at \$695.



Mike Tholen, PhD, PE, is Managing Director, Engineering & Professional Development, at the American Concrete Institute. He received a BS in architectural engineering, with distinction, in 1992, an MS in civil engineering in 1995, and a PhD in civil engineering in 1996 from the University of Kansas. He previously worked at ACI as the Engineering Editor of Concrete International. Prior to joining ACI in 2005, he spent over 8 years as a structural engineer in the Aviation and Architecture Division at Burns & McDonnell Engineering Company in Kansas City, MO

Email: Mike.Tholen@concrete.org

Office: 248.848.3717

Mobile: 810.623.3228

REGISTER FOR THIS EVENT ONLINE AT:
<http://acimissouri.org/meetinginfo.php>

Summer Transportation Institute



2017 ST. LOUIS SUMMER TRANSPORTATION INSTITUTE

Are you interested in learning more about transportation,
civil engineering, aviation, science, technology, or engineering?

The St. Louis Summer Transportation Institute may be for you!

As part of the Institute, you will:

- Learn about land, air and water transportation and engineering in a fun and inspiring environment.
- Learn about aviation and participate in hands-on activities to simulate traffic and bike lanes, design a bus route, and more.
- Meet knowledgeable professors, successful engineers and undergraduate students who are passionate about transportation, aviation and engineering.
- Visit transportation facilities and learn about careers in transportation.

When: June 12 - 16 or June 19 - 23 from 9:00 am – 4:30 pm each day

Cost: **FREE** (If selected, scholarship will cover lunch, activities, materials and field trips)

Where: Saint Louis University's Parks College of Engineering, Aviation and Technology
3450 Lindell Blvd., McDonnell Douglas Hall, St. Louis, MO 63103

Who is eligible? Students entering 10th through 12th grades in Fall 2017

Please visit parks.slu.edu/summer-transportation-institute or see the back of this flyer for application instructions.

Submit your application online by May 28 for full consideration or mail to:

Parks College of Engineering, Aviation and Technology
ATTN: Summer Transportation Institute
3450 Lindell Blvd, Rm 2003
St. Louis, MO 63103

For further information, visit parks.slu.edu/summer-transportation-institute,
or contact Rachel Rimmerman at (314) 977-8443 or by e-mail at parksevents@slu.edu.



SAINT LOUIS UNIVERSITY
—
PARKS COLLEGE OF ENGINEERING,
AVIATION AND TECHNOLOGY

Department of Civil Engineering
Department of Aviation Science

Employment

Structural Engineer

CANNONDESIGN

CannonDesign has an exciting opportunity for an experienced Structural Engineer based in our St. Louis office. We are an integrated global design firm that unites a dynamic team of architects, engineers, strategists, futurists, researchers, and industry specialists driven by a singular goal - to help solve our clients' and society's greatest challenges.

You will be responsible for analysis and design of structural systems/components in steel, concrete, and masonry. Experience in preparation of construction drawings and specifications, and construction review is necessary. Mentor engineers, lead the direction of structural project teams and coordination with the overall project teams.

Qualified candidates must have a BS and MSCE required. PE license and Minimum 7 years of experience with concrete and steel required. Supervisory experience helpful. Working knowledge of structural engineering software (RAM, RISA, ETABS), IBC and other national standard codes, Revit proficiency, and good written/oral communications skills a must.

Visit our career site at <http://careers.cannondesign.com/jobs/6275933-structural-engineer> to apply.

CannonDesign recognizes the value of diversity in our workforce. We are committed to equal opportunity. We consider all qualified employment applicants without regard to race, religion, color, gender, age, national origin, sexual orientation, gender identity, partnership status, protected veteran status, disability, or any other status protected by federal, state, or local law. Individuals who hold legal work authorization applicable to employment at CannonDesign in the United States will be considered without regard to citizenship/alienage.



BOSTON NEW YORK WASHINGTON DC BALTIMORE PITTSBURGH BUFFALO TORONTO MONTREAL CHICAGO ST.LOUIS VANCOUVER SAN FRANCISCO LOS ANGELES PHOENIX MUMBAI ABU DHABI BOSTON NEW YORK WASHINGTON DC BALTIMORE PITTSBURGH BUFFALO TORONTO MONTREAL CHICAGO ST.LOUIS VANCOUVER SAN FRANCISCO LOS ANGELES PHOENIX MUMBAI ABU DHABI BOSTON NEW YORK WASHINGTON DC BALTIMORE PITTSBURGH BUFFALO TORONTO MONTREAL CHICAGO ST.LOUIS VANCOUVER SAN FRANCISCO LOS ANGELES PHOENIX MUMBAI ABU DHABI BOSTON NEW YORK WASHINGTON DC BALTIMORE PITTSBURGH

Adjunct Faculty

The Missouri University of Science and Technology center in St. Louis (Missouri S&T Global – St. Louis) has an opening for an adjunct faculty who would teach graduate courses in the area of transportation and traffic engineering. A qualified candidate would teach one or two evening courses per semester via the Internet from our center located near the intersection of I-270 and Manchester Road. The audience would include students on the main campus in Rolla as well as students at distance locations and local students.

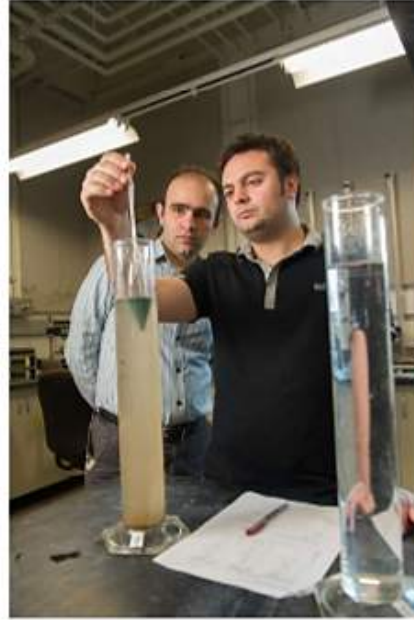
Required qualifications are a PhD degree in Civil Engineering or alternatively, a MS degree and professional registration. A successful candidate will be interviewed and accepted by the Department of Civil, Architectural and Environmental Engineering and by Missouri S&T Global – St. Louis.

Interested persons are invited to submit their resume to Mrs. Debbie Benenati at dbenenat@mst.edu.

Gain the Competitive Edge at SIUE

Whether you are a working professional or a full-time student, the Southern Illinois University Edwardsville School of Engineering graduate program will prepare you for **advancement opportunities**, placing you in a better position to boost your **salary potential** and attain **career goals** in a competitive job market.

- Pursue a graduate degree in civil engineering while gaining expertise in the field.
- Choose a concentration in **structural, environmental, transportation or geotechnical** engineering.
- Conduct field and lab-based research and learn from highly-qualified faculty who are experts in their respective fields.



New! Earn Your Master's Degree with a Geotechnical Engineering Specialization

SIUE's Civil Engineering Program is expanding offerings in the geotechnical area to better suit the needs of students and local professionals. All courses are offered in the evening.

Summer 2017

CE 435 Pavement Design
CE 592-001 Design of Levees and Floodwalls

Fall 2017

CE 457 Soil Mechanics in Engineering
CE 492-11 Soil Improvement Methods
CE 592-02 Advanced Soil Mechanics

Spring 2018

CE 492-12 Environmental Geotechnics
CE 548 Finite Elements
CE 592-11 Geotechnical Earthquake Engineering

If you are interested in the Civil Engineering graduate program, contact Dr. Ryan Fries at rfries@siue.edu. For information on the geotechnical specialization, contact Dr. Reza Osouli at aosouli@siue.edu.

SOUTHERN ILLINOIS UNIVERSITY
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To submit items to the newsletter...

Please try to get all announcements for placement in the newsletter to the Newsletter Editor by the 20th of the month prior to publication. Items may be sent via e-mail to Brent Vaughn (interim newsletter editor) at brent.vaughn.asce@gmail.com. MS Word files are the preferred file type. PDF files are also acceptable but may not look as sharp when inserted into the newsletter and hyperlinks might not carry through to the final version. For multiple page announcements, please consider providing a single-page flyer, concisely worded, with links provided to ancillary pages such as registration forms or other attachments. Also, please clearly include in the email subject line a concise title for the announcement and desired month(s) of publication.

Most news items will be available on the Section's Web Page, which can be reached via the link on ASCE National Website (www.asce.org). Click on "Geographical and International Units" to link to the Section or go directly to our page at: <http://sections.asce.org/stlouis/index.html>. The Section's Website Editor is Jeff Smith e-mail: JESmith@HNTB.com or via feedback directly from our website.

For more information and updates see our Web Page: [Http://sections.asce.org/stlouis/index.html](http://sections.asce.org/stlouis/index.html)

This newsletter will be sent to all Section members via e-mail. Delivery of the newsletter hardcopy by First Class mail will be made upon request. Members have the responsibility to keep their contact information in the ASCE national database up to date. Please note that the St. Louis Section is only provided with members' PRIMARY information on file at the Society level. To ensure that we can contact you, please edit your PRIMARY information to contain the information where you would like the section to contact you and how you would like your information to appear in our annual roster.

Please be sure to keep your PRIMARY contact information up-to-date by contacting ASCE at <http://www.asce.org>, or call 800-548-ASCE (2723).



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