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Upcoming Events

March

- 6 – ASCE Construction Tour
- 8 – EWRI Spring Seminar
- 12 – ASCE Luncheon
- 12 – G-I meeting
- 14 – YMG meeting
- 18 – EWRI webinar
- 29 – EWB Trivia Night

Follow the Section and share with your network.



Update your bookmarks with our new Section website

<http://sections.asce.org/st-louis/>



ASCE March 2019 Luncheon

Tuesday, March 12, 2019

F. Allen Smith, PE, SE – TranSystems

Presentation Description: St. Louis Freight Improvements - Merchants Bridge

Merchants Bridge over the Mississippi River in St Louis has been identified as the top priority freight improvement project in the St Louis region. The bridge's current capacity limits the existing double track bridge to allowing only one train to pass at a time causing significant delays in freight movement. Terminal Railroad Association of St. Louis (TRRA) selected a TranSystems led team for preliminary and final design of the replacement of the main span and east approach of the Merchants Bridge over the Mississippi River. The main span truss was designed to also carry ballast loads. In order to resist seismic loads and vessel collision, the stone masonry piers will be encased in concrete and the foundations widened with micropile.

About the presenter F. Allen Smith, PE, SE. Allen is a Vice President and St Louis office director at TranSystems. He has 27 years of bridge engineering experience. Allen has extensive experience in highway and railroad bridge projects of all sizes. Allen holds a Bachelors and Master's of Science in Civil Engineering from Southern Illinois University at Edwardsville where he was also Adjunct Faculty.

Click on the link below to RSVP.

[Register Now!](#)

Time, Date, Location

11:30am to 1:00pm, March 12, 2019, 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 using the link above for reservations by 5:00pm, Thursday, March 7, 2018. Please note that we will no longer be accepting event registration through the Engineering Center, and you must register online. If you wish to pay at the door, select the "pay by check" method of payment on the online registration page. ASCE is charged for all reserved lunches. If you've signed up and can't make it, please cancel by Friday before the meeting or we may have to charge you for the meal.

Officers & Directors 2018 - 2019

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President's Message



As we move from February to March, I hope you had some time last month to enjoy the many Engineer's Week activities going on throughout the region. From the annual Engineer's Week Luncheon to the many office activities, it was a great reminder of the many benefits our profession brings to society. I hope you were also able to stop by the St. Louis Science Center on February 23rd for the SciFest Engineering Expo. Engineering groups from across the region including the St. Louis Section and many of our ASCE Student Chapters provided exhibits for young people to learn more about the excitement of STEM fields. Jeff Fouse, chair of the History and Heritage Committee, set up the

St. Louis Section's display booth to provide information of the many civil engineering achievements accomplished in St. Louis. The Younger Member Group spoke to students about engineering topics and had some fun racing paper airplanes. The event was a great success and based on feedback may be returning to the Science Center later this year. We would love to get others involved in more discipline specific displays to help the next generation understand the many different things civil engineers do and how they can be a part of making the future a better place to live.

While Engineer's Week gets most of the attention for professional association events, there are many more opportunities for networking, outreach, and professional development with ASCE. First up is our March Luncheon on Tuesday, March 12th at the Engineering Center. Allen Smith of TranSystems will provide an overview of the Merchants Bridge Project which is a vital piece of our transportation infrastructure.

On April 3rd, the Government & Public Relations Committee has organized the Missouri Legislative Drive In in Jefferson City. This is an opportunity to speak with your elected official about the issues facing the engineering community and let them know they have an expert resource in their district to discuss those issues. If you have never spoken with your State Senator or Representative, this is an excellent opportunity to meet them face to face with someone who has done it before.

On May 4th, ASCE members will give back to the community with Rebuilding Together on Rebuild Day 2019. For over 10 years, St. Louis Section members have volunteered their time on a Saturday in May to help those less fortunate with home improvement projects. We have replaced doors, tiled floors, painted rooms, and made minor repairs to improve the lives of those less fortunate. The Younger Member Group has organized the event, but it is open to all looking to improve the communities we live in. Keep an eye out for more details in the April Newsletter or contact [Brandi Jones](#) for more information.

With all of this plus our regular luncheons, Younger Member events, and Institute meetings, there are plenty of opportunities to be a part of ASCE.

Best Regards,

Chad Schrand, PE, SE, M.ASCE, F. SEI

cmschrand@hornershifrin.com



**7th Annual Legislative Drive-in to Jefferson City
Promoting Infrastructure Development
Wednesday, April 3, 2019**

Our goal is to introduce ourselves and ASCE to our state senator and representative and discuss the urgent need for infrastructure construction in Missouri to facilitate job growth today and invest in our children's future. Please contact your state senator and representative and schedule meetings between

1:00 - 3:00 pm on that day. You can call or email them.

We will meet in the Third Floor Rotunda Alcove at 11:00 AM for a catered lunch, followed by training on the issues and how to effectively speak with legislators. Please download the Save America's Infrastructure app from ASCE to your smartphone or pad from Google Play or iTunes. It includes ASCE's National 2017 Infrastructure Report Card and Missouri's 2018 Infrastructure Report Card. We will provide additional materials for you to share with your elected officials.

Discussion Points to Include:

1. Asking legislators to prepare a clearly worded ballot measure for a fuel tax increase to fund highway improvements.
2. Asking for qualifications based selection (QBS) for public contracts.
3. Keeping an engineering licensing board to license Civil Engineers.

To register, contact Dennis Boll at 314-568-3125 or dboll@geotechnology.com

Committee Chair 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."

Career Guidance Committee - The purpose of the Career Guidance Committee is to inform elementary, middle and high school students and staff about Civil Engineering. This information includes the requirements for becoming a civil engineer, and how civil engineers improve the quality of life for all citizens. The committee provides speakers and participates in Career Days, Shadowing Days, and other volunteering opportunities relating to Civil Engineering. They also maintain a database of school counselors, and keeps an inventory of materials (including brochures, pamphlets, videos) used by the Committee in their activities. The Society provides many resources and materials to be utilized by the Committee in their efforts.

Life Member Committee - The Life Member Committee Coordinator serves as a contact point for life members, keeping life members informed about the activities of the chapter and organizing any life-member oriented activities.

ASCE President-Elect Visits the St. Louis Section

On February 13th and 14th, ASCE President – Elect K.N. Gunalan visited the St. Louis Section Student Chapters at Missouri University of Science & Technology and Saint Louis University. For the second consecutive year, the ASCE President-Elect visited our Section to learn more about our efforts to improve the local civil engineering community and share information on the future of civil engineering with our student members.



Leaders from the St. Louis Section provided dinner and met with faculty and student leadership before President –Elect Gunalan gave a presentation on “Engineering the Future” at the Missouri S&T ASCE Student Chapter Meeting.

As a key point of his talk, Guna noted “It takes leadership and a plan to improve the life of every human being. We cannot find a solution without taking action”.

On the 14th, Guna along with St. Louis Section members met with students and faculty from Saint Louis University and Southern Illinois University – Edwardsville over lunch to discuss the future of ASCE and the profession.



Multi-Region Leadership Conference 2019 – Dallas, Texas

The Multi-Region Leadership Conference is broken down into three separate workshops for different levels of leadership within ASCE—Section, Younger Members, and Students. Our Region (7) joined with Regions 3 and 6 to discuss leadership skills and best practices on tough subjects such as: solving student transition, recruitment via social media, outreach, and ASCE Report Cards and How



to Engage Your Members (Our very own Alison Graves led this discussion with Mariah Schroeder and Tony Kulesa from the Kansas City Section—presenting on writing and promoting the Kansas and Missouri Infrastructure Report Cards released in 2018.).

All groups sat together networking over topics such as Dealing with Difficult People and Safety Leadership and the Engineer.

Workshop for Section, Branch, and Institute Leaders (WSBIL)

Section Treasurer Alison Graves and Vice President Jordan Pettibone represented the Section during WSBIL – where they were able to network with other section and branch leaders and earn PDHs for sessions on Professional Ethics and Communication Styles in the Workplace.



Central Region Younger Member Council (CRYMC)

Brandi Jones and Michelle Bresnahan, Younger Member Group Treasurer, attended CRYMC this year to represent our Section. During the conference, they helped the Dallas Branch Younger Members prepare for their annual K12 outreach event, networked with students, and discussed Communication Styles.



Workshop for Student Chapter Leaders (WSCL)

During the Region Breakout Session, our Section was given some time to network with all levels of leadership, to discuss what successes and struggles there are within the Section. Students leaders from Southern Illinois University Carbondale, Missouri S&T and Mizzou all had opportunities to learn about

ASCE Government Relations during the Political Capital Game and discuss life after graduation.



“The MRLC is such a great opportunity to connect with other ASCE leaders from the region. I’m so proud to share all the great things we are doing here in St. Louis and came home energized with new ideas to improve our programming and member engagement. I particularly enjoyed meeting the student leaders from SIUC, Missouri S&T, and Mizzou and hanging out with Kansas City colleagues that I got to know while working on the MO Report Card for Infrastructure.” -Alison Graves

Sustainability Committee held its first seminar

ASCE St. Louis Sustainability Committee held its first seminar on sustainability on February 14th, 2019 at Cortex Innovation Center. The speaker was **Michael Buechter**, P.E., D.WRE, the Program Manager at Metropolitan St. Louis Sewer District. The presentation provided an overview and introduction to basic sustainability concepts including an introduction of the American Society of Civil Engineer's (ASCE) strategic initiative on sustainability and the Envision rating system. If you have any questions or you are interested in presenting at the committee seminars, please contact **Siavash Zamiran** at szamiran@meacorporation.com.



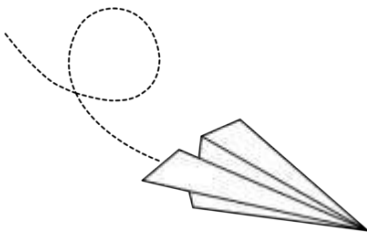
New Section website is up and ready!

Update your bookmarks with <http://sections.asce.org/st-louis/>. The layout is based on a standard platform provided by ASCE National, so it is organized a little bit differently than our previous site. However, keeping the site current will be much easier, so check back often for the latest updates and information. We are still adding content and editing for consistency, so any comments or questions are welcome and can be addressed to Jeff Smith at jesmith@hntb.com.

Younger Member Group Update



We spent some time sharpening our leadership skills at CRYMC to prepare for the rest of the year, met a few students, and went to the Science Center for our annual outreach activity. Can't wait to see what else this spring holds!



The Saint Louis Science Center hosted SciFest on February 23. Our Section joined several other engineering organizations and did some paper airplane flight tests with kids and adults.

Our YMG is always open to suggestions for potential professional development and/or community service activities. Whether it's social activities, networking, seminars, technical tours, etc. we want to hear about what would interest you the most. [Younger Member Engagement](#) form.

Join us for our next meeting!

March YMG Meeting:
Thursday, March 14, 2019
Fieldhouse
510 N Theresa Ave., 63103
6 pm to 8 pm

See the following page to get our full list of meetings this year!

YM Upcoming Events:

- City Foundry Construction Site Walkthrough – Date TBD
- May 4 – Rebuilding Together

Contact Brandi Jones, YMG Chair, at bnjones.asce@gmail.com if you have any questions or comments regarding the YMG Update.

YMG 2018-2019 Calendar

*Subject to change throughout the year

October YMG Meeting:

Thursday, October 11, 2018
Urban Chestnut
4465 Manchester Ave, 63110
6 pm to 8 pm

<http://urbanchestnut.com/home/>

November YMG Meeting:

Thursday, November 8, 2018
Hotshots
1319 Central Park Dr, 62269
6 pm to 8 pm

December YMG Meeting:

Thursday, December 13, 2018
International Tap House
16 S. Euclid Ave, 63108
6 pm to 8 pm

<https://www.internationaltaphouse.com/>

January YMG Meeting:

Thursday, January 10, 2019
Flannery's Pub
1320 Washington Avenue, 63103
6 pm to 8 pm

<http://flanneryspub.com/>

February YMG Meeting:

Tuesday, February 12, 2019
The Lake House
2822 N. Center St., 62062
6 pm to 8 pm

March YMG Meeting:

Thursday, March 14, 2019
Fieldhouse
510 N Theresa Avenue, 63103
6 pm to 8 pm

<http://fieldhousetl.com/>

April YMG Meeting:

Thursday, April 11, 2019
McGurk's
1200 Russell Blvd, 63104
6 pm to 8 pm

<http://www.mcgurks.com/>

May YMG Meeting:

Thursday, May 9, 2019
Start Bar
1000 Spruce Street, 63102
6 pm to 8 pm

<http://startbarstl.com/>

ASCE Construction Committee Tour

ASCE Construction Committee Tour to Ben Hur Steel Worx

5319 Shreve Avenue, St. Louis MO 63115

Tour starts at 4pm on March 6, 2019

Space is limited.

Please contact Anne Werner at awerner@siue.edu.

Please put "ASCE March Tour" and/or "Ben Hur Steel Worx Tour" in the subject line.

Geo-Institute News

Next Geo-Institute Monthly Meeting is on **Tuesday, March 12th** at 10:30 AM at the Engineer's Club. Please contact Shari Cunningham at shari@thddesigngroup.com for more details.



**GEO-
INSTITUTE**
St. Louis Chapter



St. Louis Chapter of the Geo-Institute of ASCE Presents

Case Histories Seminar and Student Projects

DATE AND TIME: Thursday, April 11, 2019
5:00 pm Registration and networking; Student poster displays
5:30 pm Buffet dinner
6:00 pm Student posters presented
6:30 pm Program begins

Attendees will receive up to 2.5 PDH credits. Registration includes a buffet dinner. Vegetarian meals are available upon request.

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

COST: \$40.00 for ASCE Members; \$50.00 for Non-ASCE Members; \$20.00 for Full Time Students. Payment can be made by check or credit card.

REGISTRATION: Sign up by Wednesday, April 3 by visiting <https://goo.gl/8XKQJ6> (case sensitive) or [clicking here](#).

Advance registration is required for all attendees. ASCE is charged for all reserved meals. If you've signed up and can't make it, please cancel by 4/3/19 or we may have to charge you for the meal.

Student research posters will be on display during the registration/networking period, and selected students will give brief presentations on their topics.

A limited number of **sponsorship opportunities** are available for this event. If interested, please contact Jake Schaeffer (jschaeffer@mps-il.com), Geo-Institute vice chair.

EWRI St. Louis Announcements

EWRI St. Louis Chapter will be holding elections for the position of Secretary/Treasurer. Elections will be held in early summer and the position will be for two years starting October 2019. If you would like to nominate yourself or know of someone interested, please email Robert Holmes at holmesrr@mst.edu.

EWRI St. Louis Chapter is looking for more active engagement for its members. There are several opportunities to interact with your colleagues through monthly webinars, quarterly business meetings, and volunteer opportunities. We are looking for volunteers to serve on both our Spring Seminar ("Water Water Everywhere") steering committee and Monthly Webinar steering committee. Send email to Robert Holmes (holmesrr@mst.edu) if you have interest.



EWRI St. Louis Monthly Speaker Series Event

The St. Louis Section of EWRI is pleased to announce our monthly webinar on **Thursday, March 21 at 11:30 am-12:30 pm.**

This presentation will be broadcast live over a webinar. Registration is free to ASCE members, **Advance registration is required by Noon Monday, March 18, 2018.** Please register online in advance at the following link:

<https://docs.google.com/forms/d/e/1FAIpQLSett23vrZ79L3B3VtnV5nxypqgVBOXiwBaIpaOJF2ZFROB4ng/viewform>

Registrants will receive detailed login & dial-in information or directions for in-person attendance prior to the event.

Land use controls on groundwater inputs to streams

High levels of impervious surface area in urban watersheds alter stream flood response, leading to higher peak flows, shorter lag times, and lower baseflow (i.e., groundwater) contributions relative to their undisturbed, rural counterparts. It is critical to understand baseflow inputs to stream systems because groundwater buffers stream chemistry, providing a stable environment for aquatic organisms that would otherwise experience drastic changes in temperature and chemistry during flooding. This study quantifies baseflow inputs to multiple streams with a range of Impervious Area (1.5 to 35.5%), but similar geology, climate, and vegetation, to assess land use controls on baseflow contributions to streams. The data in this study suggest that geology plays a key role in determining flow components in urbanized watersheds. Understanding floods in populated areas improves flood control mitigation efforts and ecosystem health in a world with increasing urbanization and a more extreme climate.

Speaker: Emily Deeba is Masters of Geoscience Graduate Assistant at Saint Louis University studying urban hydrology and geochemistry. Ms. Deeba's research focuses on the impact of urbanization on groundwater inputs to streams during flooding. Ms. Deeba was awarded the Association of Missouri Interpreters Graduate Interpretation Scholarship for her outreach work and received funding from the Geologic Society of America's Graduate Student Research Grant for her research efforts. Ms. Deeba plans to graduate in May 2019 with her masters degree and then enter the consulting field as an environmental scientist.

Thank you to our joint seminar sponsor, **EDM Incorporated!**

Please contact **Len Madalon** (ljm@edm-inc.com) with any questions, if you are interested in presenting, or have an idea for a topic.



ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE
St. Louis Chapter

THE ASCE ST. LOUIS SECTION AND EWRI PRESENT

2019 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:
SAINT LOUIS UNIVERSITY
Il Monastero Room
Monastero Banquet Center
3050 Olive St.
St. Louis, MO

Friday, March 8, 2019

Registration 7:30 AM to 8:15 AM
Program 8:15 AM to 3:00 PM
6 PDHs provided

Continental Breakfast and Lunch included

Cost

\$70 for Members
\$100 for Non-members
\$30 for Students

Online Registration available at the link below:

[Register HERE](#)

[Event Flyer and Agenda](#)

Questions?

Jiaman Xu
ASCE/EWRI Spring Seminar Committee Chair
314-880-4431
jxu@civildesigninc.com

2019 Work Zone 5K Run and Walk



2019 Work Zone

5K RUN and WALK

April 13, 2019 * 8 a.m.

Bring your family, friends and coworkers to run, walk or jog for work zone awareness. See the BIG truck show, take a selfie with Barrel Bob, or in the photo booth!!

Register at Big River Running

<https://www.athlinks.com/event/6thannual-work-zone-awareness-5k-132863>

LOCATION: MoDOT TMC, 14301 South Outer Forty Rd.,
Chesterfield, MO 63017

CONTACT: 314-453-1807





TRIVIA NIGHT



ENGINEERS WITHOUT BORDERS USA
Gateway Professional Chapter

WHEN:

March 29, 2019

Doors open at 6:30 PM

Trivia begins at 7:30 PM!



WHERE:

Kirkwood Community Center East Gym

111 S Geyer Road, Kirkwood, MO 63122

DETAILS:

+ \$160 per table of 8, \$20 per person

+ Team reservations are appreciated by March 22. Please email Mel Peterein at petereinms@bv.com -OR- visit the event page online at <https://support.ewb-usa.org/Trivia2019>

This event will also include **RAFFLES, SILENT AUCTIONS, 50/50 RAFFLE** and cash prizes for the top 3 Trivia Teams!

Please feel free to **BYOB (no glass)** and snacks.

April Luncheon



Drones and Their Practical Application

Thursday, April 18, 2019

Abstract: Luncheon to discuss Ameren's innovative and system reliability focused approach to deploying drones as a daily operation. There will be a demonstration (weather permitting).

Ameren is deploying and utilizing unmanned aerial technology in multiple business lines with a focus on cost savings, reliability, safety and customer satisfaction. Drones are being used daily throughout Ameren's service territory to inspect power lines, vegetation, gas and generation facilities with a high degree of success. Benefits are even being seen in storm restoration, where drone crews are able to assess damage in difficult to access areas in a fraction of the time a foot patrol would take.

About the Presenter:

James Pierce, GISP, sUAS – Supervisor, Unmanned Aerial Systems Operations, Ameren

James Pierce is the supervisor of Ameren's Central UAS Department. James brings with him nearly 20 years of experience in engineering, remote sensing/GIS, aerial photography and project management to the drone team, with an undergraduate degree in geography, multiple certificates in computer programming, database design, cartography, drafting, masters courses in mining engineering and a Part 107 drone pilot certificate from the FAA.

James has continuously ushered innovation with drones culminating in the present day commercialized, program driven department that it is today.

Time, Date, Location

11:30am to 1:00pm, April 18, 2019, at the Engineering Center, 4359 Lindell, St. Louis 63018. Registration starts at 11:30am and lunch is served at noon. The program will begin promptly at 12:15 pm. One (1) PDH is available.

Cost

\$20/person, students and members in transition \$10

Registration

Please register and pay online using the link below for reservations by Friday before the event. If you've signed up and can't make it, please cancel by Friday before the meeting or we may have to charge you for the meal.

<https://mspe.org/event-3244964>

Contacts

Michael Buechter, PE, D.WRE, MSPE President

314-768-2555 office

mtbuec@stlmsd.com

<https://mspe.org/>

Eric Hollmann, PE, Program Chair

314-206-4232 office

Eric.Hollmann@wsp.com

Save the Date for 2019 GeoMO

GeoMO will be an all-day geotechnical conference on May 10, 2019 in St. Louis, Missouri. The event is organized by Missouri University of Science and Technology. Visit <https://geomo.mst.edu/> for more information.



Advancements in Seismic Geotechnical Engineering

Friday, May 10, 2019 | 8 a.m. – 5 p.m.

SGA Chamber, Millennium Student Center – UMSL, St. Louis, Missouri

Keynote Presentations:



Shamsheer Prakash Keynote Lecture:
Performance Based Design in Geotechnical Earthquake Engineering

W.D. Liam Finn, Ph.D.
Professor Emeritus University of British Columbia;
President, Pan-American Engineering and Computing



Invited Keynote:
Morning – Dynamic Site Response and Liquefaction-Induced Ground Deformation
Afternoon – Nonlinear Soil-Structure-Interaction and Applications for Bridge Systems in Liquefiable Ground

Ahmed-Waeil Elgamal, Ph.D.
Professor of Geotechnical Engineering, Department of Structural Engineering and Associate Dean for Faculty Affairs, Jacobs School of Engineering, University of California – San Diego

Afternoon Session Presentations:

Micropiles Support the “Missing Link” – Understanding Load Transfer in Challenging Subgrades

Ronaldo Luna, Ph.D., PE, FASCE, D.GE

Seismic Reinforcement of Soft Clays with Deep Soil Mixing

Guney Olgun, Ph.D.

Geotechnical Applications of Ground-Based Interferometric Radar Measurements

Brent Rosenblad, Ph.D.

LEARN MORE & REGISTER
geomo.mst.edu

Registration Now Open —

WHO SHOULD ATTEND:

- Geotechnical Engineers
- Civil Engineers
- Environmental Engineers
- Geophysicists
- Geologists/Hydrogeologists
- Bridge/Infrastructure Engineers
- Designers of —
 - Restoration of Pavements and Other Infrastructures
- Owners and Operators
- Planners and Regulators
- DOT Engineers
- Graduate Students

CONFERENCE FEES:

Regular – \$225.00
Student – \$75.00

EARN 6 PROFESSIONAL DEVELOPMENT HOURS (PDHs)
(for professional licensure requirements)

Questions? Contact us.

Technical Questions:

Xiong Zhang, Ph.D., Conference Director
573-341-6286 | zhangxi@mst.edu

Registration Questions:

Professional & Continuing Education
573-341-6222 | pce@mst.edu
PCE@MST.EDU



I CEE AT ILLINOIS



I STRUCTURAL
ENGINEERING
CONFERENCE

About the Conference

The conference is designed for professionals in structural engineering to gather in Champaign-Urbana to discuss exciting new developments in the field, gain timely job-related information, network with colleagues, and renew their sense of professional purpose. The participants are a diverse group of engineers from local, state, and federal agencies; consulting and contracting firms; and universities.

Conference Planning Committee

The Conference program was developed by a distinguished group of practicing structural engineers from the Chicago, Central Illinois, and St. Louis regions, in cooperation with the structural engineering faculty of the University of Illinois at Urbana-Champaign.

Professional Development Hours

The conference will provide 6.5 professional development hours (PDH) for professional engineers.

Register Today!

<https://my.cee.illinois.edu/isec-2019>

Thursday, April 11th 2019

I Hotel and Conference Center

1900 S. First Street, Champaign, IL 61820

<https://structures.cee.illinois.edu/structural-engineering-conference/>

I ILLINOIS



Horner & Shifrin, Inc. is a Federal Contractor, Equal Opportunity Employer M/F/Disability/Veteran. We are a 100% Employed Owned firm, offer a generous benefits package and named a Top Workplace by the St. Louis Post-Dispatch for 2017 and 2018. If you are interested, you must apply through our website at www.hornershifrin.com/careers. Visits and phone calls will not be accepted. Learn more about us at www.hornershifrin.com.

Transportation Project Engineer

CLASSIFICATION: FULL-TIME

OFFICE LOCATION: St Louis, MO

YEARS OF EXPERIENCE: 5-10 YEARS

Horner & Shifrin is seeking a full-time Transportation Project Engineer. This position requires 5-10 years of experience. This position is assigned specific, high-responsibility-level tasks on project teams; and are expected to resolve engineering/architectural problems and tasks as they are assigned; with help as needed, from more experienced staff.

POSITION REQUIREMENTS:

- Candidate will work under licensed engineer
- Will be trained/proficient in the use of Microstation and Geopack or AutoCAD Civil 3D
- Ability to produce construction bid documents (plans and specifications)
- Proficiency using Microsoft Office software (Outlook, Excel, Word)
- Other duties as assigned

EDUCATIONAL REQUIREMENTS: B.S. in Civil Engineering

SALARY RANGE: Salary will commensurate with experience.



Prairie Engineers, P.C. is seeking a Structural Engineer to join their team.

Prairie Engineers is a full services engineering, geospatial, and environmental science firm with a goal of delivering sustainable infrastructure solutions and maintaining our natural and built environment. We are a woman-owned firm with offices in Columbia, Hillsboro, Peoria, and Springfield, Illinois and Hazelwood, Missouri. The firm provides services to federal, state, and local governments, utilities, industries, and private businesses. Prairie Engineers is a growing company, looking to add a Structural Engineer to their team to assist primarily in the office with project planning, structural engineering design, and construction document development. This position will be a full time position with benefits and a competitive salary based on qualifications. This position is available to be filled in any of our office locations.

Essential Job Functions:

- Planning, design, and construction administration of transportation and building projects
- Ability to work both independently and as a team leader
- Focus on project delivery and customer service with attention to detail and deadlines

Minimum Qualifications:

- A minimum of five years' relevant design experience
- Current licensure as an Illinois Structural Engineer
- Good verbal and written communications skills
- Ability to work both independently and as part of a team
- Project a professional, positive attitude with a strong work ethic

Preferred Knowledge, Skills, Abilities, and Experience:

- Eight or more years of design experience
- Past project management experience
- Familiarity with Illinois DOT and CDB design standards, procedures, and requirements

We are an equal opportunity employer that recognizes the value of a diverse workforce. All qualified individuals will receive consideration for employment without regard to race, color, religion, creed, gender, national origin, age, handicap, marital status, veteran's status, sexual orientation, or any other legally protected status.

Preference will be given to applicants who reside in a HUBZone as defined by the US Small Business Administration. For a map of certified HUBZone areas, please refer to the following website:

<https://maps.certify.sba.gov/hubzone/map/>

For additional information regarding our company and benefits offered our employees, please visit our website at www.prairieengineers.com.



Senior Bridge Project Engineer

<http://www.hntb.com/careers>

Job ID: 1018-19763

For more than a century, HNTB has helped deliver infrastructure solutions that best meet the unique needs of our clients. With client relationships spanning decades, we understand infrastructure life cycles and have the perspective to solve technical challenges with clarity and imagination. We are far more than a design firm. We see and help address far-reaching issues of financing, legislation, design, construction, community outreach and ongoing operations. As employee-owners committed to the highest levels of performance, we enable clients to achieve their goals and inspiring visions.

Just like we are committed to delivering for our clients, HNTB is also committed to delivering for you by offering benefits to protect the health of you and your family, help you balance family and career, and build your savings for retirement. Learn more at <https://www.myhntbtotalsrewards.com>.

Overview

The time is right to join HNTB Corporation! We are seeking a Senior Bridge Project Engineer to lead projects from our St. Louis, Missouri office.

Job Summary

Provides coordination of project execution and control, in a given discipline area, to achieve continuity of purpose within scope, budget, and time schedules from initial start-up through project closeout. Also accountable for handling specific design aspects on projects appropriate to discipline field. Coordinates efforts of assigned design team to ensure completeness and accuracy of design effort. Serves as technical liaison with client on project efforts. Responsible for gross revenue of \$1-\$2M.

Essential Responsibility

- Responsible for the delivery of project discipline scope elements within budget and schedule.
- Oversees completeness and accuracy of project team's work. Supervises and guides team to overall project objectives.
- Provides senior-level technical expertise to client on project aspects within the discipline.
- Assists with project management duties.
- Performs other duties as assigned.

Basic Qualification

- Bachelor's degree in Engineering
- 10 years relevant experience

Preferred Qualification/Skills

- Master's degree in Engineering
- PE/AICP

General Work Conditions

Combination Office and Field Environment: Most work is performed in an office environment in which there is only minimal exposure to potentially unpleasant working conditions. Incumbent must have the ability to stand and sit frequently and reach horizontally as well as vertically for overhead use. Work may infrequently be performed at client's job site, construction trailer, and in the field. Work may sometimes require working in inclement weather, working in a construction site, being exposed to heavy construction equipment and doing extensive walking. Adherence to applicable safety protocol is required.

HNTB Corporation is an Affirmative Action and Equal Opportunity Employer, Minority/Female/Disabled/Veteran.

The HNTB Companies are an equal opportunity employer and does not discriminate on the basis of race, color, religion, creed, sex, national origin, age, disability, pregnancy status, sexual orientation, gender identity, veteran status, marital status, genetic information, citizenship status, or other status protected by law. In compliance with the Immigration Reform and Control Act of 1986, we will hire only U.S. citizens and aliens lawfully authorized to work in the United States (if the position is or will be one which is subject to U.S. law). We will provide reasonable accommodation for qualified individual with a disability where appropriate.



Oates Associates is a team focused on enhancing our community from the inside outward. That begins internally with a talented staff. If you are interested in a position with Oates Associates, please complete the [employment application](#) and send it along with your resume. Upload your information to our website at www.oatesassociates.com/contact, email us at oai@oatesassociates.com or print and send to:

Oates Associates, Inc.
100 Lanter Court, Suite 1
Collinsville, IL 62234

The firm is an equal opportunity employer that offers competitive salaries, an excellent benefit package, great working environment in new office space, flex-time, opportunity for quick advancement and ownership potential. We seek to develop a more diversified workforce and encourage women and minority candidates to apply for this position.

Structural - Bridge Engineer

To accommodate the continued growth in our structural - bridge department, we are seeking a motivated and energetic individual for an entry level or project engineer position. Work will be out of our Collinsville, Illinois office.

The ideal candidate will possess the following:

- Bachelors or Masters in Civil Engineering with emphasis in structures
- EIT certificate or PE/SE license
- New graduate to 10 years of bridge design experience
- Proficient in MicroStation, and Microsoft Office
- Strong technical, communication and presentation skills
- Experience working with local agencies and State DOT's preferred
- Ability to conduct field visits for bridge inspections

Typical responsibilities will include:

- Bridge inspection and reporting
- Bridge type and location studies
- Preliminary and final design including the development of construction documents
- Development of estimates of probable construction cost
- Load rating inspection and analysis

We are seeking a civil engineering project manager and a project engineer to work in our Facilities Group. This position is ideal for a civil engineer that enjoys working on a team, meeting and working with clients on building and site development, drainage, utility, and campus development projects ranging from \$10K to \$20M projects. Work will be out of our Collinsville, IL and St. Louis, MO offices.

Civil Engineer - Project Manager

The ideal candidate will also possess the following:

- Bachelors in Civil Engineering – Masters is a plus
- PE license or ability to get a license within 6 months
- 4 - 15 years of experience working with both governmental and private clients in Missouri and Illinois
- Proficient in AutoCAD Civil3D and Microsoft Office
- Strong writing and presentation skills
- Strong Technical skills in one or more of the following areas is a plus:
 - Hydrology and Hydraulics
 - Development Review for Municipalities

- Multi-Use Path and Park Design
- Commercial Site Design
- Water and Sewer Design

Typical responsibilities will include:

- Meeting with clients and potential clients to discuss projects
- Developing manhour estimates and proposals
- Managing project scope, schedule, and budgets
- Collaborating with project engineers, peers, and managers to develop designs
- Developing bid and construction documents
- Developing construction cost estimates
- Performing construction administration during construction operations

Civil Engineer - Entry Level to 5+ Years

The ideal candidate will also possess the following attributes:

- Bachelors in Civil Engineering
- EIT certificate or recently received PE license
- 0 – 5+ years civil engineering experience
- Work with both governmental and private clients in Missouri and Illinois is a plus
- Working knowledge of AutoCAD Civil 3D – proficiency is a plus
- Strong technical skills – presentation skills are a plus

Typical responsibilities will include:

- Drawing topographic surveys
- Laying out sites and developing grading plans in AutoCAD
- Coordinating utility service connections and relocations
- Developing of bid and construction documents
- Developing construction cost estimates
- Observing construction operations at work sites and performing material tests



Structural Engineer II

www.lochgroup.com

Lochmueller Group is currently seeking a Structural Engineer II to work in the St. Louis, MO office, St. Charles, MO office, or Troy, IL office.

The Structural Engineer II will focus is the preparation of plans and/or reports associated with new and rehabilitated highway bridges and other structures to include retaining walls and water/wastewater structures and facilities. The Structural Engineer II has developed the skills and expertise required to assign and delegate tasks for a small number of junior staff in the production of work.

Duties:

- Assisting with the development of project scopes, budgets and schedules for contract development.
- Coordinating with other Lochmueller Group departments and sub-consultants to assign project scope, budget and schedule.
- Organizing work flow within the design team assigned and taking responsibility for the timely completion of the tasks assigned within allocated budget and schedule.
- Performing design type functions related to geometric and structural design, hydraulic computations and plan preparation, including structural details utilized in CAD.
- Develops computer models in various software to aid in design development
- Performs quantity computations and cost estimates
- Prepare and develop various preliminary engineering studies.
- Performs a quality check of work assigned to junior staff and Engineering Technician/Designers.
- Lead or Perform bridge inspections in accordance with NBI Standards, load ratings and develops inspection reports.
- Communicating the status of the project task assignment status to the Project Manager.
- Performing verification that project designs are in conformance with the latest design specifications.
- Performing related work as required.

Qualifications:

- Registered Professional Engineer
- MoDOT & IDOT bridge project experience preferred.
- In-depth knowledge of Microstation or AutoCAD
- In-depth knowledge of structural software
- In-depth knowledge of Microsoft Office products
- Ability to work well independently and in a team environment.
- Strong verbal and written communication skills.

Education:

- B.S. in Civil or Structural Engineering from an ABET accredited institution.

Experience:

- 4+ years of experience

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 Xiaomin (Sophie) You (ASCE newsletter editor) at xiaomin.you@wsp.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/st-louis/>. 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/st-louis/>

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).



ASCE – St. Louis Section
c/o The Engineering Center
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