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### Upcoming Events

#### May

- 9 – YMG meeting
- 10 – 2019 GeoMO
- 14 – ASCE Luncheon
- 16 – EWRI webinar
- 21 – G-I meeting
- 29 – SEI City Foundry Tour & Happy hour
- 31 – Student Steel Bridge Competition

Follow the Section and share with your network.



Update your bookmarks with our new Section website

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



## ASCE May 2019 Luncheon

Tuesday, May 14, 2019

Ashlee N. Peno, PE, SE

**Presentation Description:** Ms. Peno will present out of the box structural engineering projects along with the creative solutions required to complete them and talk about the relationship between the Structural Engineer of Record and Specialty Structural Engineer for delegated design projects. One of the unique projects being presented is the Highway 47 bridge demolition on the Missouri River which consisted of a 2,500 feet long steel truss bridge being blasted. Another project will be the creative solutions used at Washington University when the Olin Library foundations were shallower than expected during its expansion.

**About the presenter:** Ms. Peno is the Chief Structural Engineer responsible for managing the engineering design division at Special Inspections and Design. Her 15 years of experience includes the design, detail, inspection, and rehabilitation of low rise to mid-rise buildings, parking garages, bridges, retaining walls, and other structures. Her design experience encompasses new and existing institutional, healthcare, commercial, and industrial structures utilizing concrete, steel, masonry, timber, and light gage framing. Her experience includes inspection and design for clients such as Washington University School of Medicine, Southern Illinois University Edwardsville, Missouri State University, Boeing, Anheuser-Busch, and many others.

**Deadline to RSVP is Thursday, May 9.**

**[Register Now!](#)**

#### Time, Date, Location

11:30am to 1:00pm, May 14, 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, May 9, 2019. 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



May has come and graduation season is upon us. In the next few weeks, a new class of young professionals will join our ranks as they move their tassels from the right to left side of their mortarboards and become practicing civil engineers. I am happy to be one of the first to congratulate these new graduates on their achievement and welcome them into our profession.

For all the new graduates reading this, I encourage you to stay involved with ASCE at the professional level. While you may have come to ASCE through the concrete canoe or student leadership group, the student membership is only the beginning of the lifelong benefit of ASCE membership. ASCE membership provides the opportunity for networking, professional development, and shaping the future of the profession. With over 150,000 members worldwide, ASCE is the voice of our industry and your membership provides an opportunity to become part of that voice.

To aid in this transition, ASCE provides a free transition from Student to Associate Member and sliding scale to progress to the full membership price. As you will be dealing with a lot of change following graduation, please remember to upgrade your membership and update your profile with a permanent email address and contact information. Reaching out to the Younger Member Group can be a great first step in making professional contacts whether it be in the St. Louis region or elsewhere and we look forward to seeing you at a future lunch meeting or other event.

For our current professional members, please encourage your new hires to become active members. Bring them along to a lunch meeting or an Institute event and encourage them to take the next step in their membership. Let them know why you have been a member and the benefits that are a part of ASCE. In order to make sure ASCE remains in good hands, we need to make sure the best and brightest are staying in the profession.

One example of this is St. Louis Section Young Professional Siavash Zamiran. Siavash was nominated by the Section and awarded the 2019 Edmund Friedman Young Engineer for Professional Achievement. More detail is provided later in the newsletter, but Siavash is a great example of what ASCE represents: technical achievement combined with giving back to the profession and community. Congratulations Siavash on this great achievement.

Again, congratulations to all the new graduates and best of luck as you begin your professional careers. Remember that wherever life may take you, you will always have a home with ASCE.

Best Regards,

Chad Schrand, PE, SE, M.ASCE, F. SEI  
[cmschrand@hornershifrin.com](mailto:cmschrand@hornershifrin.com)

## Call for Local Award Nominations

Do you have an outstanding project or colleague who deserves recognition? Consider nominating them for an ASCE St. Louis Section award! These prestigious awards are presented at the Annual Awards Dinner in September and are a great way to showcase the civil engineering excellence in our Section!

The St. Louis Section is seeking nominations until **June 1** for the following Local Awards:

### **St. Louis Section Project of the Year**

This award is made annually for any engineering project that falls into the general category of civil engineering. The award is given to the owner, lead design engineer and general contractor of the project. Only engineering and construction achievements within the boundaries of the St. Louis Section are eligible. The project must have been completed and placed into operation within 5 years of the date the nomination is submitted. Basis for the Award is “an engineering project that demonstrates the greatest engineering skills, and represents the greatest contribution to civil engineering progress and mankind”.

### **Professional Recognition Award**

This award recognizes the importance of professional attainment in the advancement of the science and profession of engineering and is presented annually to a Member of the St. Louis Section who has made substantial contributions to the engineering profession and the St. Louis Section.

### **Young Engineer Award**

This award recognizes professional contributions of younger members to the Society and to the Section and is presented annually to a Member of the Section who is less than 35 years of age on February 1, 2019.

### **Award to Service People**

To bring public recognition to individuals who have performed outstanding service to people in their communities and to further public understanding and recognition of the identification “Civil Engineering - A People-Serving Profession”. The awardees need not be civil engineers but are selected based on their service to the general public that has some connection with the planning, design or construction of the people serving works of the civil engineering profession.

### **Excellence in Journalism Award**

This award is to honor journalists for outstanding articles that enhance public understanding of the role and impact of civil engineering in designing solutions for clean water, transportation, the environment, and other public works projects. Nominations will be accepted for journalists and producers from English-language, general-interest regional and national newspapers, radio and television stations, magazines, and electronic and Web-based news outlets.

*Please submit nominations to Michelle Bresnahan at [BresnahanM@bv.com](mailto:BresnahanM@bv.com). Guidelines and forms for making nominations are available on our St. Louis Section website at: <http://sections.asce.org/st-louis/> under the “Awards” tab or the information can be emailed or mailed to you upon request. Email [BresnahanM@bv.com](mailto:BresnahanM@bv.com) or Call 636-536-5875 with questions.*

**Deadline for submittal is June 1, 2019.**

## 2019 Edmund Friedman Young Engineer Award for Professional Achievement



**Siavash Zamiran**, Ph.D., PE, Sustainability Committee Chair for the ASCE St. Louis Section, has been selected by the ASCE Committee on Younger Members to receive the 2019 Edmund Friedman Young Engineer Award for Professional Achievement. The award recognizes “professional achievement in service to the advancement of the profession, evidence of technical competence, high character and integrity, and contributions to public service outside their careers.” This honor will be awarded at ASCE’s Annual Convention in Miami, Florida, October 10-13, 2019.

The St. Louis Section is proud of Siavash’s accomplishments and grateful for his service.

### 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.

### New Section website is up and ready!

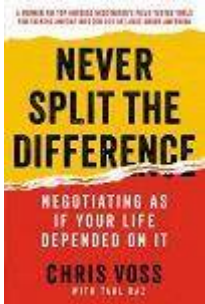
Update your bookmarks with <http://sections.asce.org/st-louis/>. The layout is based on a standard platform provided by ASCE National, so it is organized a little bit differently than our previous site. However, keeping the site current will be much easier, so check back often for the latest updates 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](mailto:jesmith@hntb.com).

### Save the Date for Green Roof & Wall Symposium

The Green Roof Environmental Evaluation Network ([GREEN](#)) at Southern Illinois University Edwardsville is hosting a green roof and wall symposium in conjunction with Green Roofs for Health Cities on September 23 and a green roof professional training on September 24. Details will be shared in the future and [online](#).

## Younger Member Group Update

*Only a couple more months before our summer break. We have a few activities remaining before and during the break!*



Summer Book Club – if you would be interested in reading *Never Split the Difference: Negotiating as if your life depended on it* by Chris Voss, please reach out via e-mail to Amanda Fisher at [alfisher94@gmail.com](mailto:alfisher94@gmail.com)..

Do you want to join the trivia night committee? We could use your help planning this year's event. E-mail Brandi Jones if you're interested as we assemble the committee.

Help us determine an end of summer activity, by voting in this [doodle poll](#).

### Join us for our next meeting!

#### May YMG Meeting:

Thursday, May 9, 2019

Start Bar

1000 Spruce Street, 63102

6 pm to 8 pm

<http://startbarstl.com/>

### YM Upcoming Events:

- Summer Book Club: Meeting dates include June 20th and July 18th (could be subject to change).
- Summer BBQ date to come!

If you have any ideas for next year's YMG schedule, please feel free to submit them on our [Younger Member Engagement](#) form.

Contact Brandi Jones, YMG Chair, at [bnjones.asce@gmail.com](mailto:bnjones.asce@gmail.com) if you have any questions or comments regarding the YMG Update.

**SAVE THE DATE**



# STRUCTURES CONGRESS 2020

St. Louis, Missouri | April 5-8

## CALL FOR PROPOSALS

Be part of the program —  
Submit an Abstract or Session Proposal  
**Deadline: June 5, 2019**

**Interact with and learn from academic/practice experts on innovative topics:**

- Blast & Structural Response
- Bridge & Transportation Structures
- Building
- Business & Professional
- Career Development
- Education
- Forensic
- Natural Disaster
- Special Structures
- Nonstructural
- Research

*The Premier Event in Structural Engineering*



**Students & Young Professionals:**

Apply for Scholarship to Participate

Learn more [www.structurescongress.org](http://www.structurescongress.org)

## Geo-Institute News

Next Geo-Institute Monthly Meeting with officer election is on **Tuesday, May 21** at 4 PM at the **Rockwell Beer Company**. Please contact Shari Cunningham at [shari@thddesigngroup.com](mailto:shari@thddesigngroup.com) for more details.



**GEO-  
INSTITUTE**  
St. Louis Chapter



**STRUCTURAL  
ENGINEERING  
INSTITUTE**  
St. Louis Chapter

# Structural and Geo-Confluence

## *CALL FOR ABSTRACTS!*

Friday, November 8, 2019  
St. Charles Convention Center  
St. Charles, Missouri

The St. Louis Chapters of the Geo-Institute (GI) and Structural Engineering Institute (SEI) are now accepting abstracts for the fourth annual Structural and Geo-Confluence. The conference will be a multi-track, full-day event featuring technical topics and case histories presented by local and national experts. The joint morning session will be focused on topics concerning the confluence of geotechnical and structural engineering. There will be two tracks in the afternoon: one track including sessions on geotechnical engineering and geo-environmental topics and one track focused on structural engineering topics. The conference is open to all engineering and construction professionals and students. Last year's conference was attended by nearly 200 people located throughout Illinois and Missouri.

The planning committee is seeking speakers to provide a 30- to 60-minute presentation focused on structural engineering, geotechnical engineering, or geo-environmental topics with specific preference given to topics that overlap these focus areas. All persons are encouraged to submit an abstract to Patrick Kinsella at [pmk@shanwil.com](mailto:pmk@shanwil.com) by July 19, 2019. Abstracts should be limited to 250 words. Once the planning committee has reviewed the abstracts, notification will be provided to the selected presenters by August 16, 2019. The submitted abstracts and presentation slides will be assembled and included in the conference publication.

Accepting abstracts, sponsorships, and exhibitors.



## EWRI St. Louis Monthly Speaker Series Event

The St. Louis Section of EWRI is pleased to announce our monthly webinar on **Thursday, May 16, 2019 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, May 13, 2019.** 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.

### Interested in How Your BMPs are Working???

Many of us in engineering and construction businesses have been designing and building stormwater BMPs for years – if not decades. After observing many noteworthy successes and studying some unfortunate failures, we've learned a lot about how these systems work. At the same time, there is much learning left to be done, if we want to give our customers the most cost-effective treatment systems possible.

This program highlights how design and construction decisions impact the functionality and the life-cycle cost of your stormwater BMPs. The foundation of this program is built around the things Stormwater STL has learned during more than 2000 inspections and features real life examples of both good and not so good design and construction practices. We will point out some of the details that frustrate system owners every time it rains. Recommendations will also be offered for changes that will reduce operating and maintenance costs, improve customer relationships and strengthen your firm's brand in today's competitive marketplace.

**Speaker: Steven W. Polk, PE.** After more than three decades of helping customers resolve zoning, site engineering and permitting challenges, Steve Polk elected to redirect his engineering business to the implementation of the NPDES Phase II regulations. Since that decision in 2008, he has focused his practice on the engineering, construction, inspection, testing and maintenance of stormwater management facilities. Stormwater STL now regularly inspects more than 175 projects several times each year, which provides well over 1500 BMP touchpoints each year and offers opportunities to see the components of stormwater quality systems in action. His research into stormwater regulations nationwide, coupled with dozens of presentations on stormwater quality issues have positioned Steve and Stormwater STL as leaders in this rapidly evolving industry.

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

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



## 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](mailto:holmesrr@mst.edu).

EWRI will hold its next face to face business meeting at 10:00 AM, September 12, 2019 at Einsteins Bagels in Webster Groves. All interested members are invited to attend. For more information, contact Robert Holmes at [bholmes@usgs.gov](mailto:bholmes@usgs.gov).

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 have particular need for additional volunteers to serve on our Monthly Webinar steering committee. Send email to Robert Holmes ([holmesrr@mst.edu](mailto:holmesrr@mst.edu)) if you have interest.

EWRI is in the planning stages for the Spring 2020 Water Water Everywhere day-long conference. Look for a survey to be forthcoming in the future seeking input on what St. Louis EWRI members would like to see for conference topics. Azadeh Bloorchian is next year's conference chair ([Azadeh.Bloorchian@stantec.com](mailto:Azadeh.Bloorchian@stantec.com))

## SEI City Foundry Tour & Happy Hour



**STRUCTURAL  
ENGINEERING  
INSTITUTE**

**St. Louis Chapter**

SEI is sponsoring a tour of the City Foundry Project located at Vandeventer and Forest Park Parkway on Wednesday, May 29, 2019.

After the tour, please join us for a networking Happy Hour at Urban Chestnut in the Grove.

Check out our Eventbrite page for more information.

<https://seistl-foundry-tour.eventbrite.com>



## 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., P.E., F.ASCE, 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](https://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](mailto:zhangxi@mst.edu)

#### Registration Questions:

Professional & Continuing Education  
573-341-6222 | [pce@mst.edu](mailto:pce@mst.edu)  
[PCE.MST.EDU](http://PCE.MST.EDU)

MISSOURI  
**S&T**

Save the Date for Affiliate Society Summer Social



# SAVE <sup>THE</sup> DATE

7 11 19  
THURS

## AFFILIATE SOCIETY SUMMER SOCIAL

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### HOSTED

BY THE ENGINEERING CENTER OF  
ST. LOUIS, 4359 LINDELL BOULEVARD, ST. LOUIS, MISSOURI 63108

### WHEN

JULY 11TH, 4:00 P.M. - 9:00 P.M.

### WHY

GET TO MINGLE WITH REPRESENTATIVES OF 37 AFFILIATE SOCIETIES HOME TO  
OVER 14,000 ENGINEERS AND CONTRACTORS.

---

THERE WILL BE THREE "THEMED" ROOMS TO EXPLORE!

MORE INFORMATION TO FOLLOW - PLEASE MARK YOUR CALENDARS.

## Student Steel Bridge Competition National Finals



For the first time, SIUC will host the  
**Student Steel Bridge Competition National Finals!**

**May 31st and June 1st, 2019**

### 2019 SSBC National Finals Schedule

Time/Day	Event	Location	Rain Location
<b>Friday (5/31)</b>			
11:30 AM-2:00 PM	Teams Check-In, Unload, Set-Up	SIU Arena Parking Lot	SIU Arena West Lobby
11:30 AM-2:30 PM	Judges Luncheon and Review Meeting	Student Center- Cambria Room (First Floor, South End)	
2:15 PM	Aesthetics Opening Remarks	SIU Arena Steps	SIU Arena Floor
2:30-4:30 PM	Aesthetics Judging	SIU Arena Parking Lot	SIU Arena Main Lobby and Concourse
2:30-4:30 PM	Networking Session	SIU Arena Parking Lot	SIU Arena Main Lobby
5:00 PM	Captains Meeting	Student Center Auditorium	
5-8:00 PM	Social Event/Dodgeball Tournament (dinner included)	Student Recreation Center	
<b>Saturday (6/1)</b>			
8:00 AM	Bridge Competition Begins	SIU Arena Floor	
11:00 AM-1:00 PM	Lunch (Moe's Fajita Bar)	SIU Arena- John Paul Cook Club	
6:30-10:00 PM	Awards Banquet	Student Center Ballrooms (2nd Floor)	

**All events other than the Awards Banquet are free to the public!**

Sign up to volunteer: <http://bit.ly/2GQopng>  
 Register for full benefits: <http://bit.ly/2Lx41gD>  
 More info on our website: [ssbc2019.rso.siu.edu](http://ssbc2019.rso.siu.edu)  
 Contact us: [ssbc2019siu@gmail.com](mailto:ssbc2019siu@gmail.com)

The SSBC National Finals brings together the winners of 18 Regional Events throughout the US to compete for the top spot in the nation. Schools will be given a chance to gain valuable hands-on experience by designing, fabricating, and erecting steel bridges that follow a set of rules published by the American Institute of Steel Construction (AISC)

## Save the Date for 2019 SHMII-9



9th International Conference on Structural Health Monitoring of Intelligent Infrastructure

### TRANSFERRING RESEARCH INTO PRACTICE

**AUGUST 4-7, 2019**

St. Louis, Missouri USA

Hyatt Regency at the Arch



## Meet us in St. Louis for SHMII-9!

You are cordially invited to attend the 9th International Conference on Structural Health Monitoring of Intelligent Infrastructure (SHMII-9). SHMII-9 is focused on "Transferring Research into Practice" and calls for the attention and wide participation from researchers, engineers, owners and regulators.

The program will include:

### August 4, 2019 – Pre-Conference Short Course

#### Structural Health Monitoring Using Fiber Optic Sensors

A course for civil engineers, researchers, managers and owners of infrastructures

### August 5-7, 2019 – Full Conference

- Technical keynote lectures, invited lectures, podium sessions, student poster competitions, student-mentor career path sessions, panel discussion(s)
- Technical tours – includes demonstrations of advanced robotic and sensing technologies on real-world bridges
- Exhibit/Sponsor – Don't miss unique opportunities to partner with SHMII-9 as a sponsor or to reserve your exhibit space

### Over 400 abstracts accepted in four tracks:

- Research & Development
- Technology Transfer
- Technology Demonstration/Case Studies
- Special Sessions

## Sponsorship & Exhibition Opportunities

- Sponsorship packages available at platinum, gold, and silver levels.
- Exhibit to promote your organization and products – includes option for in situ bridge testing demonstration (Note: demonstration option must be reserved prior to conference).

For full details, visit [shmii-9.mst.edu/sponsors](http://shmii-9.mst.edu/sponsors).

### QUESTIONS? Our team is available to assist you!

#### Technical

Genda Chen, Ph.D., P.E., F.ASCE, F.SEI  
SHMII-9 Conference Chair  
573-341-4462 | [gchen@mst.edu](mailto:gchen@mst.edu)

Sreenivas Alampalli, Ph.D., P.E., F.ASCE, F.SEI  
SHMII-9 Conference Co-Chair  
518-457-4544 | [Sreenivas.Alampalli@dot.ny.gov](mailto:Sreenivas.Alampalli@dot.ny.gov)

#### Logistics & Registration

Global Learning –  
Professional &  
Continuing Education  
SHMII-9 Conference Organizers  
573-341-6222 | [shmii-9@mst.edu](mailto:shmii-9@mst.edu)  
SHMII-9.MST.EDU

## PLAN TO ATTEND

### First time held in the USA

SHMII-9 represents the 9th official event in the biennial conference series sponsored by the International Association of Structural Health Monitoring of Intelligent Infrastructure (ISHMII). This is the first time the conference will be held in the USA. The State of Missouri is honored to host attendees of this prestigious conference. We hope you will bring your family and explore our state beyond St. Louis. Missouri is well known for its natural riverways, springs and caves. Other favorite vacation destinations include Branson and the Lake of the Ozarks.

[www.visitmo.com](http://www.visitmo.com)

### Conference Venue – Hyatt Regency St. Louis at The Arch

All conference activities will be held in the Hyatt Regency St. Louis at The Arch. Located in the heart of downtown St. Louis, the Hyatt is just steps from the iconic Gateway Arch – you won't want to miss the newly renovated arch grounds and museum depicting America's westward expansion and the explorers, pioneers and rebels who made it possible.

[stlouisarch.hyatt.com](http://stlouisarch.hyatt.com)

We look forward to welcoming each of you to St. Louis. For more information, visit –

[shmii-9.mst.edu](http://shmii-9.mst.edu)



## MST Geotechnical and Pavement Doctoral Training

Department of Civil, Environmental, and Architectural Engineering at the Missouri S&T is recruiting 4-5 highly-motivated doctoral students in Geotechnical and Pavement engineering. Click [here](#) to find a flyer for the positions. For more information related to geotechnical research projects, please directly contact Dr. Xiong Zhang at [zhangxi@mst.edu](mailto:zhangxi@mst.edu) or 573-341-6286. Review of the materials starts on May 15 and until the position is filled.

## Employment



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](http://www.hornershifrin.com/careers). Visits and phone calls will not be accepted. Learn more about us at [www.hornershifrin.com](http://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 Geopak 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.

# THD Design Group

civil - geotechnical - surveying

Be a part of THD Design Group's growth in the local geotechnical community (formerly Gateway Geotechnical). Please respond in confidentiality, to our mailing address at 148 Chesterfield Industrial Boulevard, Suite E, Chesterfield, Missouri 63005, attention Geotechnical Services, or electronically to [TMike@THDDesignGroup.com](mailto:TMike@THDDesignGroup.com). Applicants may be subject to a background check and/or drug testing.

THD is planning potential re-organization and expansion in its Chesterfield valley location in the following positions ---

## **SENIOR GEOTECHNICAL ENGINEER (Possible advancement to Director of Geotechnical Services)**

Sound basis in geotechnical engineering. Strong capability and experience in written and oral communications, including interaction with clients and review/mentoring of geotechnical engineering staff. Provides geotechnical engineering problem solving on a day-to-day basis as well as a responsibility to develop and maintain business relationships, responsiveness to client needs, and maintenance of project scheduling, invoicing, and budgeting. Performs more complex explorations and design considerations, as well as guiding the work of less-experienced geotechnical engineers. Participation in development of group guidelines and practices. Requires minimum of 15 years applicable and increasing experience, including leadership and character; and an MS degree in civil/geotechnical or geological engineering. Registration as a Professional Engineer in Missouri and Illinois is required. Established relationships and a working knowledge of legal, insurance, contract, and other business operations are pluses/required.

## **GEOTECHNICAL ENGINEER**

Sound basis in geotechnical engineering. Strong capability and experience in written and oral communications. Includes planning and executing more routine exploration programs and other field testing, drilling/sampling, and construction activities including proficiency with geotechnical software, such as slope stability programs. Calculations include foundation type and excavation, bearing capacity and settlement, and construction of buildings and supporting structures for public and private clients. Requires minimum of 3 to 5 years applicable and increasing experience, and work towards an MS degree in civil/geotechnical or geological engineering. Registration as an Intern or Professional Engineer in Missouri and Illinois a plus.

## **GEOTECHNICAL TECHNICIAN**

Full or part-time position for observation/coordination with clients and in-house engineers, relative to site preparation, sample collection, soil and rock compaction, and concrete testing. Some laboratory testing included. Requires minimum of 1 to 5 years applicable and increasing experience. Certification to operate nuclear density meter and other MoDOT field and laboratory certifications are pluses.

\* \* \*



**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](http://www.prairieengineers.com).



# Senior Bridge Project Engineer

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

Job ID: 1018-19763

## 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](http://www.oatesassociates.com/contact), email us at [oai@oatesassociates.com](mailto: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](http://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 20<sup>th</sup> 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](mailto: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](http://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](mailto: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  
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