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Upcoming Events

January	10 ASCE January Luncheon Meeting
February	22 Engineer's Day at the Missouri Capitol



Follow the Section and share with your network.
 Update your bookmarks with our new Section website
<http://sections.asce.org/st-louis/>

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President's Message



Happy New Year! I have to say - the holidays are fun, but I couldn't be happier to put all the decorations away and start with a blank slate. I'm taking this opportunity to consider what I want 2023 to look like. I'm hoping for a year of personal growth and making more space for my own passions.

For the ASCE St. Louis Section – there's a lot to look forward to in 2023! Here are some upcoming activities you can get involved in:

January Luncheon 1/10 – Our luncheons are the 2nd Tuesday every month and are held in-person at the Engineering Center. They always include an interesting Civil Engineering presentation so you can earn your PDHs. They are also a great opportunity to catch up with familiar faces and meet new colleagues.

This month is our joint luncheon with ASME and I hope to see you there!

Engineers Week – February is so busy with all the fanfare around E-Week, held this year the week of 2/23. We encourage members to support the St. Louis Engineering Center's activities, including their Luncheon, College Fair, and Career Fair. We cap the week off with SciFest at the Science Center on Saturday 2/25, where we set up our interactive Civil Engineering displays for K-12 outreach. If you want to volunteer, let us know!

Engineer's Day at the Missouri Capitol – This year we're partnering with ACEC, APWA, and MSPE to go to the Capitol in Jefferson City to educate legislators on engineering issues and get more involved as a profession in the public policy process. There's a whole program scheduled and several members from St. Louis and Kansas City will be attending. Please let our Government Relations Chair Dennis Boll dboll@geotechnology.com know if you'd like to join us – we'd love help ease first-timers into the process.

Volunteering with the Girl Scouts of Eastern Missouri – We've set up two volunteering dates, if your New Years plan includes giving back more! The dates are Sunday 1/22 and Saturday 2/11 and you don't need to prepare anything, just show up and help. I always enjoy doing STEM activities with K-12 girls – it's so important for them to see females in the profession! Reach out to me if you'd like to join us. Some Section Leadership activities include developing a new 3-5 year Strategic Plan, visiting our five universities' Student Chapters in the spring semester, improving our website, and attending leadership conferences. We also have several Committees and Institutes that are planning new events for the first half of this year, so keep an eye on the Newsletter for information!

The Section continues to build momentum with activities and opportunities for our membership – but we'd love to hear your suggestions or requests. Here's to 2023!

-Alison agraves@civildesigninc.com

Open Committee Opportunities

We're looking for members to volunteer to kickstart some committees that took a break during COVID or are ready to transition to a new chair. Chairing or serving on a committee is a great way to get to know people, build leadership skills, and give back to our community! You can do as much as you have time for – committees are expected to plan at least one activity this year. Ideas could include seminars, roundtable discussions, site visits, happy hours, joint activities with other committees or organizations, community service, mentoring, etc. We're here to help you! Please reach out to any Board Member to get involved.

<p style="text-align: center;"><u>Diversity and Inclusion</u></p> <p>The Diversity and Inclusion (D&I) Committee will coordinate, promote, and execute events and programs that advocate for inclusion and visibility of all people within the civil engineering profession without regard to gender or gender identity, race, national origin, ethnicity, religion, age, sexual orientation, disability, political affiliation, or family marital, or economic status. Historically, the D&I Committee has participated in and supported career outreach events organized by the National Society of Black Engineers (NSBE) and the Society of Women Engineers. Other past events included organizing volunteering opportunities with Girl Scouts and Introduce A Girl To Engineering Day.</p>	<p style="text-align: center;"><u>Pre-College Outreach</u></p> <p>The purpose of the Pre-College Outreach 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. Past activities have included coordinating classroom presentations, Engineer's Week SciFest at the Science Center, and Project Lead the Way in several High Schools. There are lots of members who want to help volunteer – they just need someone to coordinate with the schools.</p>
<p style="text-align: center;"><u>Communications</u></p> <p>The purpose of this committee is to keep the list of members of the ASCE St. Louis Section and editing and distributing the Section Newsletter to its members. The Communications Chairperson is responsible for the preparation and issuance of a regular newsletter informing members of the 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.</p>	<p style="text-align: center;"><u>Fundraising</u></p> <p>The purpose of this committee is to raise funds for use by the Section for the Student Scholarships and Career Guidance Activities. In past years, funds were raised by hosting a golf tournament. However, other fundraising ideas could include organizing a technical seminar, corporate sponsorship program, trivia night, exam prep programs, etc. The Society has a ton of best practices for more ideas!</p>

Call for Topics and Abstracts

The St. Louis Geo-Institute Chapter is seeking potential speakers for the following upcoming events. Please don't hesitate to reach Xiaomin (Sophie) at Xiaomin.You@wsp.com or Travis at Travis.Kassebaum@terracon.com you are interested in deliver a speech at any of the events.

- ASCE St. Louis Section March Luncheon 2023. Suggestions for the March luncheon speaker/topic are welcome!
- Call for abstracts for the Case Histories event coming in spring of 2023.
- The committee is setting up a series of seminars, either virtually or in-person with 1-hr length. Suggestions on speakers of topics from research or case histories are welcome!

Structural and GeoConfluence 2022

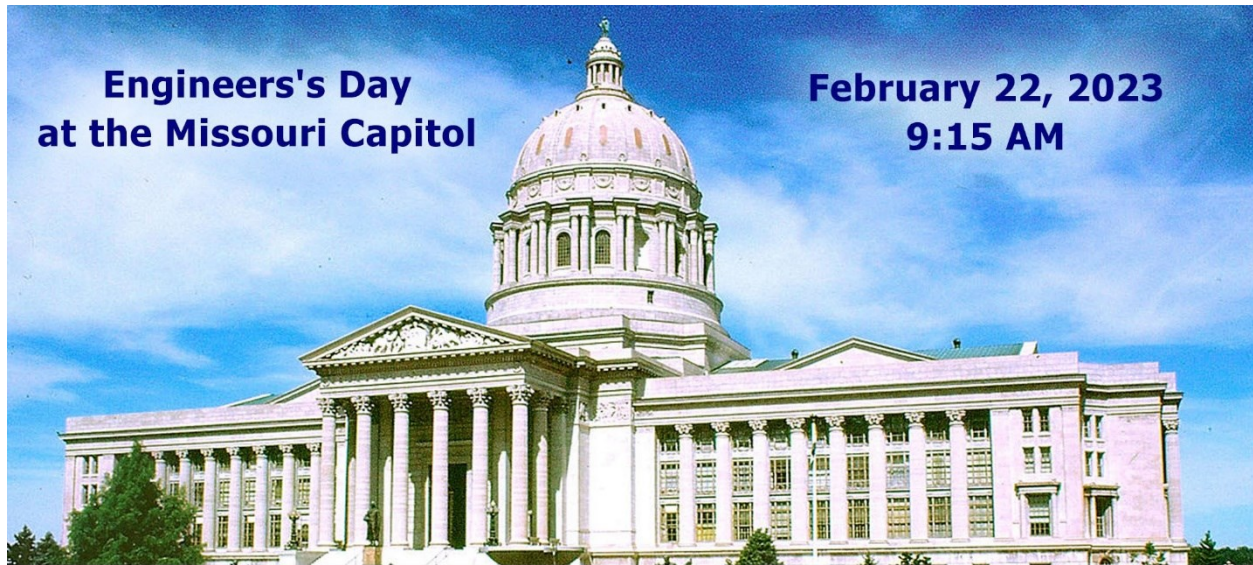
The 2022 Geo-Structures Confluence Conference was partnered between the Geo-Institute (G-I) and the Structural Engineering Institute (SEI) and hosted on November 2, 2022. The full-day event featured technical topics and case histories and was attended by approximately 200 professionals, students, and over 20 exhibitors. The morning session focused on topics concerning geotechnical and structural engineering confluence.

Presentations included the Geo-Institute's 2021-2022 Cross USA Lecture by Silas Nichols, Aff.M.ASCE, of FHWA, who discussed "Engineering Challenges for the Future of Transportation."

The event also featured Aaron Mann from Terracon, who discussed "Ethical Lessons from the FIU Bridge Collapse." Finally, the St. Louis G-I Chapter, which funds the GeoConfluence Scholarship, awarded its student winners during the conference.



Engineer's Day at the Missouri Capitol



Engineers play an important role in society, and it's important that you make your voice heard in our community and by Missouri legislators. If we do not, another industry or group – perhaps with interests at odds with our own – is likely to fill the vacuum we leave. Missouri legislators are constantly voting on bills that affect our profession, such as licensure, infrastructure funding, environmental permitting, to name a few.

ACEC, APWA, ASCE and MSPE are partnering to conduct an "Engineer's Day at the Missouri Capitol". The purpose of this day, in conjunction with Engineer's Week, is to educate legislators on the important and diverse roles that engineers play in Missouri, and to increase our presence and voice in the public policy process. So mark your calendars for February 22nd and plan on joining your colleagues in Jefferson City.

Agenda - February 22nd

9:15 a.m. – Coffee and networking near the Missouri Capitol - Lt. Governor Mike Kehoe (invited)

10:10 a.m. - Introduction of Missouri engineers to the Missouri House of Representatives

10:30 – Group picture on rotunda steps

11-? – Individual and group meetings with the Missouri Legislature

Why should you participate? You are an engineer, and you deserve to be heard. Yes, we have lobbyists and associations that work in the Capitol and engage in government affairs. But when it comes to an individual legislator who lives and works where you do, you are a constituent and a voter. Meeting with your legislator and reminding them that you live in their district makes the entire voice of our profession greater.

The partnering organizations have created a [RSVP page located here](#). You can learn more about the day's agenda and we have created a FAQ about meeting with legislators, which will be updated as individuals sign up. You can also feel free to contact me directly with any questions.

We hope to see you in Jefferson City and look forward to making the voice of the engineering community heard in the Missouri Legislature.

[CLICK HERE TO LEARN MORE AND RSVP](#)

ASCE Construction Institute Summit

Construction Institute Summit 2023
Hyatt Regency St. Louis at The Arch
St. Louis, Missouri | March 1 - 4, 2023



We are excited to announce our Young Professionals Council will present the YP Forum plenary session on March 2. CI's younger members are on a mission to make a positive impact in their communities. Read below for session information.

Advance Your Career in Construction – Connect – Learn – Get Inspired

Young engineers don't just come to the CI Young Professionals Forum to exchange business cards. They come to create opportunities for learning, development and to support the future construction industry leaders. CI aims to empower young professionals to discover their "why" and provide them with the tools to make a lasting, positive impact in the industry.

Traditionally, ASCE-CI's younger members are between the ages of 22 and 35 years old, however, we welcome all professionals who are "young at heart," and from all construction industry backgrounds.

For more information about our [program](#) and [technical sessions](#), visit our website.

Summit Tours Highlight

Construction Institute Summit will offer two conference tours: a pre-conference technical tour and a post-conference tour. If you need special accommodations, please notify staff as soon as possible, so we can make arrangements. We aim to ensure our attendees have a positive experience and inclusive to all those in attendance.

I-270 North. Build. Progress. Together

- March 1 | 2:00–5:00 p.m.
- The I-270 North Design-Build Project is modernizing 8 miles of I-270, including replacing 7 interchanges with new innovative designs.

Budweiser Brewery - Beermaster Tour

- March 5 | 2:00–5:00 p.m.
- An exclusive behind-the-scenes look at the brewing of Budweiser. Get an all-access look at how the King of Beers is brewed and visit exclusive locations on campus only available on this experience.

Key Dates:

- Early Bird Registration Ends: January 18, 2023
- Speaker Registration Deadline: January 18, 2023

Registration for CI Summit 2023 is open! Take advantage of these Early Bird savings and **save up to \$100**. [Visit our Registration page for details](#).

Call for Volunteers – Girls Scouts of Eastern Missouri



Do you want to do more volunteering in the new year? We've organized some opportunities for STEM volunteering with K-12 girls through the [Girl Scouts of Eastern Missouri](#). We're working towards increasing Diversity, Equity, and Inclusion activities this year and would love your help!

Who: A few female volunteers

What: Assist with check-in and activities, helping with snacks and leading activities in small groups. The Girl Scouts will provide the activities.

Where: Girl Scouts of Eastern Missouri's Headquarters at 2300 Ball Drive, St. Louis, MO 63146

When: There are two dates to choose from:

Sunday, January 22, 1pm – 5:30pm

Think Like an Engineer Journey – Seniors & Ambassadors (11-12 grades)

Need 2 Volunteers

Saturday, February 11, 9:30am – 2pm

Think Like a Programmer Journey - Cadette (6, 7, 8 grades) *No programming experience needed!*

Need 3 Volunteers

Please follow up with Alison Graves at agraves@civildesigninc.com if you're interested and available for either date. Thanks!

PE Refresher Course

January 19th, 2023

How to Enroll – 4 Ways to Register:

1. **Online** – To register online, go to www.stchas.edu/learnforlife
2. **By Mail** – Complete the registration form, attach your check or money order, and mail to:
SCC, Division of C&CD
4601 Mid Rivers Mall Dr., HUM 103
Cottleville, MO 63376-2865
3. **In Person** – Walk into 103 HUM with completed registration form and payment.
Registration hours:
 - 8 a.m. – 5:30 p.m. Mon-Thurs.
 - 8:30 a.m. – 4:00 p.m. Fridays
 - After-hours drop box in HUM hallway
4. **By Phone** – Call 636-922-8233 during the hours listed above. Telephone registration: VISA, Discover, and MasterCard only accepted as payment.

Name: _____
Address: _____
City, State, Zip: _____
E-mail: _____
Date of birth: _____
Home Phone: _____
Work/Cell Phone: _____

Registration Fee:
\$550 for MSPE & SAME members
\$600 for ASCE, ASME, ASHRAE & IEEE members
\$650 for non-members

Circle one (if applicable):

MSPE / SAME / ASCE / ASME / ASHRAE / IEEE Member
Member Number: _____

Professional Engineer Refresher Course

CIVIL & ELECTRICAL



Presented By



NSPE-MO MISSOURI SOCIETY OF PROFESSIONAL ENGINEERS

DEADLINE: January 19, 2023

Register by mail, online, or phone
(See back of this panel for details.)

Course content inquiries should be directed to

Lisa Cheng, P.E.

(314) 425-8355 or
lisa.cheng@hdrinc.com

2023 Spring Schedule

Classes are scheduled to meet on the following Saturday mornings from 8:00 a.m. – noon:

- Jan. 21
- Jan. 28
- Feb. 4
- Feb. 11
- Feb. 18
- Feb. 25
- Mar. 4
- Mar. 18 (For Civil and/or Make-up)

No class on March 11

Report to Room 2 08 of the Humanities Building (HUM) on the campus of St. Charles Community College. Park in the Yellow Lot. Class dates and times are subject to change.

Course fee includes a three-ring binder, lecture notes, certificate of completion, and CEU's.

It is recommended that participants purchase their discipline's desk reference manual *prior* to the first class. Desk reference manuals can be obtained by going to the following website:

<http://ppi2pass.com>



SCC

ST. CHARLES COMMUNITY COLLEGE
Division of Corporate & Community Development
Humanities Building, Room 103
4601 Mid Rivers Mall Drive
Cottleville, MO 63376-2865



Transportation Engineer

St. Louis, MO

Horner & Shifrin is seeking a full-time Engineer to work in our Transportation business unit. This is an entry-level position. This position is assigned specific tasks on project teams; and is expected to resolve engineering problems and tasks, with assistance, as needed, from more experienced staff. Candidate will work as part of a team to complete general transportation engineering services for municipal, county, and state agencies. The preferred candidate would have EIT certification, B.S. in Civil Engineering, and knowledge of MicroStation, PowerGeoPAK, SS4/OpenRoads Designer or AutoCAD Civil 3D.

<https://secure.ipsonline.net/ta/HORNER.careers?CareersSearch>

Professional Land Surveyor

Horner & Shifrin is seeking a full-time Professional Land Surveyor to work in our Geomatics business unit. This position is expected to assist the GIS and Survey Division with a variety of data acquisition, processing, and modeling. Candidate will perform ALTA/NSPS Land Title Surveys, Boundary Surveys, Topographic Surveys, Construction Staking, Interior/Exterior Scanning for educational, emergency services, energy, industrial, government, healthcare, private, and transportation (DOT's) organizations. This position will perform Aerial (UAS), Mobile and Terrestrial LiDAR data acquisition, conventional survey field collection, along with data reduction. The preferred candidate would have 5+ years of experience, PLS license in MO, IL, or AR, and knowledge of MicroStation/Open Roads, AutoCAD/Civil3D/Revit.

<https://secure.ipsonline.net/ta/HORNER.careers?CareersSearch>

Senior Level Plumbing Designer or Engineer

St. Louis, MO

Horner & Shifrin is seeking a full-time Senior Level Plumbing Designer or Engineer to work in our Building Services business unit. This position is expected to design Plumbing and Fire Protection systems for education, commercial, housing, and healthcare buildings. Candidate is responsible for preparing Plumbing and Fire Protection system project construction documents and specifications, assist in the preparation of project fees and budgets, and have ability to develop business and form strong client relationships. The preferred candidate would have 10+ years of experience, degree in Drafting Technology or B.S. in Mechanical Engineering, knowledge of AutoCAD and Revit, and would be a Licensed Professional Engineer, Certified Plumbing Designer, or Certified Engineering Technician.

<https://secure.ipsonline.net/ta/HORNER.careers?CareersSearch>

Career Opportunity: Civil Engineer (Water Resources)



A day in the life of an RDG Water Resources Engineer isn't like a typical day in the life of any other water resources engineer. That's because RDG isn't your typical engineering firm. We're a diverse group of individuals united in our pursuit to create meaning together - and we're searching for a mid-level engineer to join our team.

As an RDG Water Resources Engineer, this individual will have the opportunity to work closely with experienced professionals who have had a direct hand in writing and updating local design standards. In this role, you'll focus on a variety of project types, including work for RDG's College and University, Healthcare and Parks and Recreation Markets, and projects related to urban infrastructure and development. Along the way, you'll hone your skills and contribute to work that enhances communities across the country.

Ready to have a not-so-typical career? Let's pull on some waders and get our hands dirty.

Essential Job Functions:

- Civil engineering site design (utilities, paving, grading)
- Watershed planning and analysis
- Planning and designing stormwater management practices
- Stream condition evaluation and restoration
- Recreational and water trail planning and design
- Design calculation support
- Computer Aided Drafting and Design (CADD)
- Project management, oversight and quality control
- Enhance communities through stormwater enhancements, recreational areas, flood reduction, water quality improvements
- Be outdoors for field assessments, site visits and other evaluations.

Skill Requirements:

- Organized and detail-oriented
- Ingenuity and creativity
- Able to stay on task and supervise others' work
- Ability to teach skills and pass on knowledge
- Ability to work within multi-disciplinary teams
- Communication skills (writing, verbal and slide presentations)
- Expertise with hydraulic and hydrologic computational methods
- Experience with design drawings and specifications
- Proficient in AutoCAD (Civil3D preferred) and Microsoft Office
- Experience with hydrologic modeling software
- Experience with ArcGIS and/or ArcMap software systems (preferred)
- Expertise with Iowa Stormwater Management Manual or similar design standards (preferred)
- Expertise with Iowa SUDAS Design Manual or other similar design standards (preferred)
- Experience with Bluebeam Revu or other PDF modification software (optional)
- Familiarity with Microstation or Revit (optional)

Education/Experience:

- BSE in Civil, Environmental or Agricultural Engineering (or a related engineering field)
- 7-10 years' direct experience
- Passed the Fundamentals of Engineering Exam
- Intends to pursue, or has obtained, licensure as a Professional Engineer in any state
- Has obtained or is interested in pursuing Iowa River Restoration Toolbox Training certifications

Location: Candidate preferred location is Des Moines, open to Omaha, St Louis, or Denver

Electronic resume and portfolio submission only: [APPLY ONLINE](#)

www.rdgusa.com

RDG Schutte Wilscam Birge, Inc.



Submit items to the newsletter...

Please send all announcements for placement in the newsletter to the Newsletter Editor by the **20th of the month prior to the month of publication**. Items may be sent via e-mail to Brent Vaughn (ASCE newsletter editor) at brent.vaughn.asce@gmail.com.

MS Word files are the preferred file type, especially where there are multiple hyperlinks and the formatting and graphics are relatively simple. Floating text boxes, floating images and embedded tables frequently cause formatting problems, so please avoid those. PDFs are welcome to show the desired end result and can be more useful where the doc contains lots of graphics content and just one hyperlink, but text and image sharpness may degrade since we will likely need to insert the doc as an image. (I may be able to insert the PDF, but the formatting typically does not convert well.) I will be delighted to work with you to get the best end-product for the newsletter.

For multiple page announcements, please provide 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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