



2022 ASCE HOLIDAY SOCIAL

Time: Thursday, December 15, 2022
6:00 PM to 8:00 PM.

Location: SqWires
Annex Room
1415 South 18th Street,
St. Louis, MO 63104

Members and a guest are cordially invited to our 2022 Holiday Social at SqWires! Please join us for a great night of fellowship, food, and spirits.

Appetizers and beverages from 6:00 PM to 8:00 PM.

Cost: Free

Parking: Self Parking – Free. Guest parking lot located at the north end of SqWires Restaurant. Street parking is also available.

RSVP: Reservations must be received no later than 12:00 PM on **Thursday, December 8, 2022**. Please RSVP online at <https://tinyurl.com/ymsirtek> or by email to Stephen Noeth at stephen.noeth@volkert.com

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Upcoming Events

December	8	December YMG Winter Social
	15	St Louis Section Winter Social
	15	Geo-Institute Meeting
	15	EWRI Webinar
January	10	ASCE January Luncheon Meeting

Linked

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



I want to wish a Happy Holidays to all our members this month! As 2022 comes to a close, I'm sure we're all very busy preparing for family gatherings and end of year submittals. We hope you can find a little time to celebrate with ASCE also!

To kick off the holiday season, please join us at our annual St. Louis Section Holiday Social on the evening of Thursday, December 15th! It's being held in the SqWires Annex in Lafayette Square and as always is free to our members and a guest. There will be appetizers and beverages from 6-8pm, ample parking, and great company! Please be sure to [RSVP](#) by this Thursday, December 8th to ensure we have enough for everyone.

This is always such a fun, casual event where we can catch up with colleagues before schedules get really crazy. Hope to see you there!

I wanted to share that I recently had the privilege to judge the SLU ASCE Student Chapter's (Gingerbread-less) Gingerbread Building Competition along with our Student Involvement Chair Jeff Smith. This was a fun team-building event for their student members to blow off some steam while preparing for exams. We're always looking for opportunities to connect with civil engineering students and support their ASCE chapters. I encourage you to make time to mentor the next generation of civil engineers – they are going to need our help navigating the professional world!

This is also the time of year when we remind you to renew your ASCE membership for 2023 at www.asce.org/renew ! Please complete this task by December 31st to maintain your benefits for the upcoming year. (I admit I haven't renewed mine yet either...) To refresh your memory, here are just some of the benefits of ASCE Membership:

- 10 free PDHs annually
- Free subscription to Civil Engineering magazine
- Conference & event opportunities
- Third-party discounts, including insurance coverage, finance tools, travel and car rental discounts, etc.
- Career boosters, such as salary reports, technical tools, job fairs, and PE exam prep
- Technical content through Access Engineering, ASCE institutes, and discounts on continuing education and publications
- Networking opportunities on the local and national level

I hope you can take time off from your professional life to connect with those you hold dearest. I look forward to seeing you at the Holiday Social and in the New Year!

-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><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><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><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><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>



Next GI Meeting

The next GI meeting will take place on Thursday (12/15/2022) at 5 PM. The meeting will be an in-person meeting just before the ASCE Holiday Social. All are welcome to attend. If you plan to stay for the Holiday Social after the GI Meeting, please RSVP and look for the RSVP details from previous pages of the newsletter.

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!

Transportation & Development Institute

The ASCE St. Louis Section of the Transportation and Development Institute (T&DI) is looking to become more active this year. We would like start planning meeting/luncheon/events for the Spring of 2023 for the T&DI. I will generate survey questions to better understand the wants, needs and desires from the T&DI Members. That survey will be sent out via email to the T&DI members soon.



Any member of ASCE interested in transportation and development is encouraged to get involved with the T&DI. Contact Brian Rensing, T&DI Chair, at brensing@cbbtraffic.com or (314) 449-9569 if you would like to be added to the email list or if you have questions comments regarding the T&DI.

If you are interested in serving as an officer for the T&DI, I am looking for volunteers to fill officer roles including the Vice-Chair and Secretary/Treasurer position. Additionally, the T&DI is also looking for volunteers to present at future meetings/luncheon/events. If interested in presenting, please contact T&DI Chair Brian Rensing.

ASCE Capitol Day

Mark your calendars. As part of Engineer's Week, the St. Louis section of ASCE will be joining MSPE and ACEC in a day at the Capitol in Jefferson City on Wednesday, February 22, 2023. Details will follow, but will include speeches and preparatory work in the morning, and a possible lunch with the Lt. Governor. After lunch, individuals will plan to meet with their state senator and state representative. More details will be forthcoming.

MSPE Capitol Day

Wednesday, February 22, 2023

NSPE-MO MISSOURI SOCIETY OF
PROFESSIONAL ENGINEERS

#ProtectThePE



ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE
St. Louis Chapter



EWRI ST. LOUIS MONTHLY SPEAKER SERIES EVENT

The St. Louis Section of EWRI is pleased to announce our monthly webinar on **Thursday, December 15, 2022** from **12:00 pm-1:00 pm Central Time**.

This presentation will be broadcast live over a webinar. Registration is free to ASCE members. **Advance registration is required by noon, Monday, December 12, 2022.** Please register online at the following link:

[EWRI December 2022 Speaker Series Presentation](#)

Registrants will receive detailed login and dial-in information prior to the event.

A Path to Flood Resilience in a Changing and Uncertain Climate

Many recent and newsworthy flood events have raised public question and concern about increased frequency and magnitude of flooding associated with climate change, including July flooding in St. Louis. Climate change is frequently in the news, and everyone now has a definition of resilience. Current flood management and planning principles often do not address risk that changes over time, leaving society exposed to more risk than anticipated. The presentation will include a review of the local St. Louis rainfall analysis from July 2022 and explain how floodplain managers already have many of the resources needed to prudently plan for robust and resilient systems, even in the context of a changing and uncertain future climate.

SPEAKER

Elise Ibendahl, PE, PMP®, F.ASCE, CFM

Elise Ibendahl is the Global Technology Lead for Flood Modeling and Planning for Jacobs Engineering Group, Inc. She is a licensed engineer in the State of Missouri, a Certified Floodplain Manager (CFM) and an Envision Sustainability Professional (ENV SP). She has over 25 years of experience in the water resources industry. Ms. Ibendahl often serves as a senior technical resource for the hydrologic and hydraulic (H&H) components of Jacobs project work, specializing in urban flood analysis and mitigation design, and has served as a regional leader within Jacobs for FEMA Public Assistance Technical Assistance Contractor teams.

Jeff Riepe, PE, CFM

Jeff serves as the Stormwater Team Lead for the Metropolitan St. Louis Sewer District in the Engineering Department's Program Planning Group. The stormwater team is responsible for developing project scopes and cost estimates to address flooding and erosion issues throughout the District. The team also assures compliance with MSD's floodplain requirements as well as administering grant programs to promote green infrastructure and municipal stormwater projects. Jeff has been involved in stormwater and floodplain related activities throughout his 23-year career, the last 15 years spent with MSD. He graduated from Missouri University of Science and Technology with a BS in Civil Engineering.

Thank you to our joint seminar sponsors, **EDM Incorporated** and **Southern Illinois University Edwardsville (SIUE)**!

*Please contact **Rohan Benjankar, PhD** (rbenjan@siue.edu) with any questions, if you are interested in presenting, or have an idea for a topic*

Younger Member Group Update

Thank you to all who attended our Mizzou tailgate with the Kansas City YMG and Mizzou ASCE Students!



It was a little chilly but we braved the cold and had a great time. We plan on making this an annual event so join us next year when we will try to pick a warmer date!

December Meeting – We're hosting a social at the Missouri Botanical Gardens! Registration costs \$10 and includes your ticket to the Garden Glow as well as a drink. We'll meet as a group at 7:00 pm, grab a drink, and then everyone is welcome to explore the gardens at their leisure. Feel free to bring a plus one and enjoy the holiday season with other Younger Members.

Date: December 8, 2022

Location: Missouri Botanical Gardens

Time: 7:00-9:00 pm

Cost: \$10.00 (Includes ticket and a drink)

Registration is required! Please register via the link below:

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07eji1t0mq46dfdc9b&oseq=&c=31ca33f0-ccf0-11e4-932a-782bcb740129&ch=32128790-ccf0-11e4-934b-782bcb740129>

Contact Alicia Padilla, YMG Chair, at <mailto:alicia.m.padilla4@gmail.com> if you would like to be added to the email list or if you have any questions or comments regarding the YMG Update.

SLU (Gingerbread-less) Gingerbread Building Competition

December 1st, the **Saint Louis University (SLU) ASCE Student Chapter** held a **Gingerbread Building Competition** on campus for their members to have some holiday fun while preparing for exams. Nine pairs of students had 20 minutes to make a creation out of pretzel sticks, cookies, a variety of candy, and frosting – but no actual gingerbread! **St. Louis Section President Alison Graves** and **Student Involvement Chair Jeff Smith** were invited to judge the competition. Three creations won awards for Most Structurally Sound, Original Concept, and Best Use of Candy. This was an excellent opportunity to connect with the student members, including **SLU ASCE Chapter President Mikayla Elkins** and faculty at SLU, including their **Faculty Advisor Jalil Kianfar**. We wish them luck with final exams and look forward to connecting more in the Spring Semester!



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.](#)

December 2022 Update – Missouri S&T



ASCE Missouri S&T Student Chapter has seen quite an uptick in activity and community in Rolla this past semester. From hosting our S&T great alumni representing the profession and their employers, such as [Marsia Geldert-Murphey](#), ASCE 2024 President, to hearing from our [Academy of Civil Engineering Women](#) this past month, our civil engineering students are being transformed and impacted by ASCE through many great opportunities. We are also looking for ASCE speakers for the spring 2023 semester.

Moving into the future plans, we are looking to send our future engineering and ASCE leaders to Denver, CO, for the [Workshop for Student Chapter Leaders](#) as part of the [2023 Central Region Younger Member Council \(CRYMC\)](#), as well as the [2023 Mid-America Student Conference](#) hosted at Kansas State. Our Steel Bridge and Concrete Canoe teams are well on their way to a good showing at K-State! We are hosting the 2024 competition with the student chapter at the S&T – Missouri State cooperative engineering program. We look to send a group of over 30 students to K-State for the competitions and see how to host a solid competition. We are looking for support of the teams and chapter students traveling to the leadership conference and to K-State, see the note below. Follow our activities and connect with our student activities! linktr.ee/ASCE_MST

The degree programs are also flourishing, with over 150 seniors this year, and the highest job placement at S&T. We will again be hosting a Networking event before the Spring 2023 career fair, scheduled for the evening of February 20th. Contact CARE@S&T.Edu for more details.

The S&T Engineering online graduate programs also received national acclaim, being ranked # 9 in [US News](#) for the 2022 rankings in the US! Our full listing of opportunities is at: <https://distance.mst.edu/care/> or through Missouri Online for all online education opportunities. More offerings are planned for the coming semesters, both with classroom options in St. Louis and online available globally.

Throughout this season of joy, ASCE S&T is certainly thankfully joyful for your support in helping our students thrive for tomorrow's challenges!

Brenan Pool, S&T ASCE Chapter President 2022 bdphhm@mst.edu

Joel G. Burken, S&T ASCE Chapter Advisor and CaREE Department Chair, Burken@mst.edu





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 Wilsam 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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