



Lead and Copper Rule - Where We Are and Where We Are Going

Abstract:

On June 10, 2021, the U.S. Environmental Protection Agency (EPA) signed a final rule to extend the effective date of the Lead and Copper Rule Revisions to December 16, 2021. This will also extend the revised Lead and Copper Rule compliance deadline to October 16, 2024, to ensure that drinking water systems have the full three years provided by the Safe Drinking Water Act to take actions needed for regulatory compliance. Any changes are expected to be more protective of public health. American Water is continuing with development and execution of plans in advance of final compliance dates.

The purpose of the presentation is to provide the water industry with a general overview of the Lead and Copper Rule Revisions by focusing on six key areas of the Lead and Copper Rule Revisions: Identify Areas Most Impacted, Strengthen Treatment, Replace Lead Service Lines, Increase Sampling Reliability, Improve Risk Communication, and Better Protect Children. All focus areas lead to more effective and enforceable public health protection.

Presenter:

Christopher Parrish, PE - Manager of Engineering, Missouri American Water Company
 Mr. Parrish is currently the Manager of Engineering overseeing the Service Line Replacement Program for Missouri American Water Company. Christopher is a proven results-oriented and innovative manager with 18 years of strong engineering, operations, and production performance with demonstrated leadership experience.

Christopher received his Bachelor of Science in Civil Engineering degree from the Southern Illinois University in Edwardsville and his Master of Business Administration (MBA) from the University of Missouri in Saint Louis. Christopher is a Member of the American Society of Civil Engineers and the American Water Works Association. He has also participated as a member/mentor for Engineers Without Borders for two projects in Northern Guatemala. Christopher is a registered Professional Engineer in the State of Indiana and Missouri.

When

Tuesday, November 8, 2022 from 11:30 AM to 1:00 PM CDT
[Add to Calendar](#)

Where

Engineers' Club of St. Louis
 4359 Lindell Blvd.
 St. Louis, MO 63108
[Driving Directions](#)

Cost:

\$25 In-Person Attendance w/ Box Lunch

[Please click here to sign up, due 4:00 pm, Tuesday, November 1](#)

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Upcoming Events

November	2	Structural and Geo-Confluence
	8	November Luncheon Meeting
	10	November YMG Meeting
	10	Geo-Institute Meeting
December	8	December YMG Winter Social Meeting
	TBD	St Louis Section Winter Social



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



Hey there St. Louis Section – we have officially kicked off the ASCE year after summer break! Last month we hosted our Section's **Annual Dinner**, where we celebrated our award winners, gave checks to our scholarship recipients, and installed our officers. It was a wonderful opportunity to reconnect with each other and meet new people. Virtual meetings sure are convenient, but we lose that personal connection & comradery we enjoy in an organization. In fact, our Board meetings will be in-person quarterly, in November, February, and May. We're trying to find a good balance between virtual and face to face meetings.

We resumed our **monthly luncheons** last month at the Engineering Center, where you can earn those PDHs to maintain your licensure and network with other professionals. I always learn something new from the presentations – even when they aren't transportation focused. I hope you will join us at our next luncheon and bring a younger engineer along to introduce them to ASCE. BTW Did you know that ASCE even offers 10 free PDH webinars just for being a member?!

I recently invited the Section Leadership - including the Board, Committee & Institute Chairs, and Faculty Advisors for our five Universities – to a **Leadership Kickoff** meeting at my office. It was a great opportunity to put names with faces, share plans for the year, and discuss where we need help. One suggestion was to be more direct with how the membership can get more involved, so it's easy to find seminars and volunteer opportunities coming up. We're going to share more of what we're doing on the Board and make it easier for you to get more out of your membership. Please be sure to follow us on [LinkedIn](#) and let us know if you have something you'd like us to share on our page!

I also wanted to share that I just returned from **ASCE's National Convention** in Anaheim on behalf of the St. Louis Section. It included sessions on all sorts of topics and featured the swearing in of our own **Marsia Geldert-Murphey** as ASCE's next President-Elect! The Society is focused on the future of Civil Engineering, anticipating new challenges and problems for us to solve, and adapting to a diverse and changing workforce. It's got me thinking how we can help these efforts at the Section level. It's important that we resume K-12 volunteering with our **Pre-College Outreach Committee**, efforts to support underprivileged and underrepresented communities with our **Diversity and Inclusion Committee**, and learning how to be better stewards of our environment with our **Sustainability Committee**. If you would like to help with any of these committees, please let us know. We have contacts and example activities from past years – we just need someone who wants to run with it and organize an activity or two!

-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>Sustainability</u></p> <p>The purpose of the Sustainability Committee is to facilitate and accelerate the sustainability discussion, offer sustainability related continuing education sessions, and serve as an available and useful resource for the St. Louis engineering community. The committee is encouraged to organize at least one seminar or program that is eligible for PDHs. Programs could include presentation of fundamental concepts of sustainability, case studies, interactive work sessions, etc.</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>
<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>	

2022 Annual Awards Dinner

On Friday September 30, 2022, the St. Louis Section gathered for our Annual Dinner to recognize our student scholarship winners and the achievements of our Section members. The event was held at the International Photography Hall of Fame. Over 65 people were in attendance for the dinner. Ten students received scholarships!

Awards for Professional Recognition (Jeff Fouse) and Younger Member of the Year (Stephen Noeth) were awarded, along with Project of the Year (Timber Trail to Briar Ridge Channel – Frontenac, MO). Marsia Geldert-Murphey, 2022/23 Society President-Elect, installed our 2022/23 Board of Direction. We look forward to the year ahead with our new Board (helmed by President Alison Graves), and congratulations to all the night's winners!



Outgoing President John Weiland welcoming the crowd



Missouri S&T student scholarship: Brendan Schmidt



SIUE Scholarship Winner: Brandon Hamel



SLU Scholarship Winner: Maddie Kieffer

* Not pictured: SIUC Scholarship Winner Maddie Quattro



Faculty Advisor of the Year: Dr. Joel Burken, PhD, PE, BCEE, F. AEESP Missouri University of Science and Technology



Younger Member of the Year: Stephen Noeth, PE, SE



Professional Recognition Award: Jeff Fouse, PE



Project of the Year: Timber Trail to Briar Ridge Channel – Frontenac, MO, accepted by Len Madalon, PE for EDM, Inc.

St. Louis Geo-Institute Chapter Awards Several Scholarships at Annual Dinner

The annual GeoConfluence Research Scholarship and Shamsheer Prakash Geotechnical Scholarship were awarded at the 2022 ASCE St. Louis Section Award Dinner. Additionally, three Alizadeh Geotechnology Scholarships were awarded to Master's Level geotechnical students.

The GeoConfluence Research Scholarship were awarded to **Mostafa Ebrahimi** and **Rooholla Farzalizadeh**. Both are pursuing their PhD in Geotechnical Engineering from Southern Illinois University Edwardsville. This scholarship awardee is selected based upon applicant's research plan and the information provided in application with a goal to support awardees to complete their research and effectively make it available to our region's geotechnical community.



Mostafa Ebrahimi receives the award from Past-President Jordan Pettibone.



Rooholla Farzalizadeh receives the award from Past-President Jordan Pettibone.

Cecelia Herwig from University of Missouri won the 2022 Shamsheer Prakash Geotechnical Scholarship. This scholarship fund was established in early 2021 with a donation by the Prakash Family and is currently administered by a subcommittee within the ASCE St. Louis Geo-Institute Chapter. The intent of the scholarship is to provide financial assistance for geotechnical studies towards a bachelor's degree. The scholarship awardee would be selected annually based on their enthusiasm for geotechnical engineering studies, their appreciation of the importance that field experience plays in the professional growth of an engineer, and their academic record.

The Alizadeh Geotechnology Scholarship is made possible by generous donations from the Mike Alizadeh family and is awarded to a seeking a Master's degree in Environmental or Geotechnical Engineering. Mike Alizadeh was a long time St. Louis geotechnical engineer who founded Geotechnology in 1984. He also believed strongly in ASCE and supporting students. Since 2007 when the scholarship started, we've been able to award scholarships to 29 students totaling \$106,000. The 2022 first place winner was **Ana Laura Errigo** from the University of Arkansas. We had two second place winners and they were **Lucia Moya** and **Travis Shoemaker**, both students at the University of Illinois at Urbana – Champaign.



Cecelia Herwig receives the 2022 Shamsher Prakash Geotechnical Scholarship award from Past-President Jordan Pettibone.



Ana Laura Errigo receives the 1st place Alizadeh Geotechnology Scholarship award.



Lucia Moya receives a 2nd place Alizadeh Geotechnology scholarship.



Travis Shoemaker receives a 2nd place Alizadeh Geotechnology Scholarship award.



ASCE President-Elect Marsia Geldert-Murphey, PE, installs officers Alison Graves, PE, Melantha Norton, PE, Melissa Rettig, PE, Christopher Toenjes, PE, John Weiland, PE, Tony Roth, PE, Shari Cunningham, PE.



Passing of the gavel



Recognizing Past President John Weiland



New President Alison Graves giving her closing remarks

2022-23 Leadership Kickoff Meeting

On October 14th, the leadership of our Section – the Board of Directors, Committee Chairs & Institute Chairs, and Faculty Advisors for our five University Student Chapters – met to discuss plans for the upcoming year and share challenges they face. It was a great opportunity to put names with faces, learn about Section & Society resources, and collaborate on ideas for the year.



Our President Alison Graves gave a presentation ([download the pdf here](#)), introducing everyone and describing the roles of the board members, briefly reviewing the [Section Handbook](#) and [Section Constitution and Bylaws](#), and sharing other [resources and links](#) from the ASCE Society, including the Leadership Training Committee. She also laid out her goals for the 2022-23 year, including:

- Maintaining our regular activities and publicizing them (with photos!) to the membership through our newsletter, website, and social media ([LinkedIn](#) and [YMG Facebook](#))
- Planning more activities to rebuild momentum lost from the pandemic – at least 1 event per committee/institute
- Collaborating on a new 3-5 year Strategic Plan for the St. Louis Section to establish our long term goals and align the current and future board to best serve our membership
- Developing the next generation of diverse civil engineers by prioritizing student interaction and outreach to K-12, college students, and underrepresented and underserved communities

The rest of the session was spent going around the room (and virtually on Teams) for each person to share their plans and challenges. There was a lot of discussion of potential events and initiatives this year, including more happy hours, site visits, and presentations to students. We also discussed ways to update our website and communications to better publicize what our Section does and make it easy for the membership to find important information, like upcoming events and sign-up links. We'll continue working together on these initiatives throughout the year! If you have suggestions or are interested in getting more involved with any of our committees, please reach out to any board members or directly to Alison Graves at agraves@civildesigninc.com.

Geo-Institute Chapter Meeting

We will have a virtual meeting at 7:30 am on November 10th. Details can be found here: [STL Geo-Institute Meeting | st. louis section \(asce.org\)](#)

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.

Upcoming Transportation Related Events

MoDOT's St. Louis Transportation Update

Tuesday, Nov. 22, 8 AM at Maryland Heights Community Center.

MoDOT leaders will share the latest info on:

- Projects
- Operations
- Career opportunities and
- How to do business with MoDOT

Register to attend at: <https://www.eventbrite.com/e/modot-st-louis-transportation-update-tickets-450822531327>

This will be an in-person event ONLY. There is NO fee for attending. **Please share this opportunity with others!**

2023 Legislative Fly-In and Policy Week

[Apply today](#) to attend the **2023 Legislative Fly-In and Policy Week** held exclusively in person in Washington, D.C. from March 1-3, 2023. ASCE members will have an opportunity to meet with their Members of Congress or their senior legislative staff and advance the Society's policy priorities while strengthening leadership skills they can bring back to the workplace.

At the 2022 hybrid event, 225 ASCE members participated from 48 states, DC, and Puerto Rico and met with 231 Congressional offices. Attendees heard from an array of senior policymakers to get a deep understanding not just of the issues, but to learn how to be a stronger advocate, prior to their Congressional meetings.

Apply now to represent the civil engineering profession on Capitol Hill and build valuable personal skills that will help advance your career. The deadline to apply is Friday, November 18, 2022. For more information, visit ASCE's [Legislative Fly-In webpage](#).



Younger Member Group Update

November 2022 Meeting

Join us for our November meeting at Up-Down where we will discuss volunteer opportunities and upcoming events, and play a few rounds of arcade games. We hope to see you there!

Date: November 10, 2022

Location: Up-Down STL 405 N. Euclid Ave, St. Louis, MO 63108

Time: 5:30-6:30 pm



7th Annual Kickball Tournament is Cancelled – Unfortunately due to unseen circumstances, the kickball tournament has been cancelled this fall. We apologize for any inconveniences and hope to reschedule the tournament for the spring!

Mizzou Tailgate with Kansas City Section – The ASCE YMG St. Louis section is partnering with the Kansas City section to tailgate a Mizzou football game on November 19, 2022. Plan on a full day of fun and connecting with other younger members! Cost is \$20 per person or \$10 for students. Ticket includes food and beverages but does not include tickets to the game. If you're interested in attending, please click [here](#) to register.

Volunteer Opportunity – Looking for a volunteer opportunity? ASCE YMG is partnering with SLU and iSCORE to actively engage students who are typically underrepresented in the STEM field. Starting October 8, 2022, Saturday STEM Camp will kick off and is open to students grades 1-8. ASCE YMG is looking for volunteers to do an activity with students in either elementary or middle school to teach them about Civil Engineering (and how much fun it can be!). Open dates and time slots are below:

November 5, 2022: 9:30-12 or 1-3:30; November 19, 2022: 9:30-12 or 1-3:30; December 3, 2022: 9:30-12 or 1-3:30

If interested in volunteering please email ascestlymg@gmail.com.

YMG 2022 Calendar - Join us for a monthly happy hour! This is a great way to meet other local engineers and catch up on our upcoming events and volunteer opportunities.

November YMG Meeting	December YMG Winter Social Meeting
Thursday, November 10, 2022	Thursday, December 8, 2022
Up-Down STL 405 N. Euclid Ave St. Louis, MO 63108	Location TBD
5:30-7:30pm	5:30-7:30pm

Contact Alicia Padilla, YMG Chair, at 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!

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](#).



ST. LOUIS CHAPTER
MISSOURI SOCIETY OF
PROFESSIONAL ENGINEERS

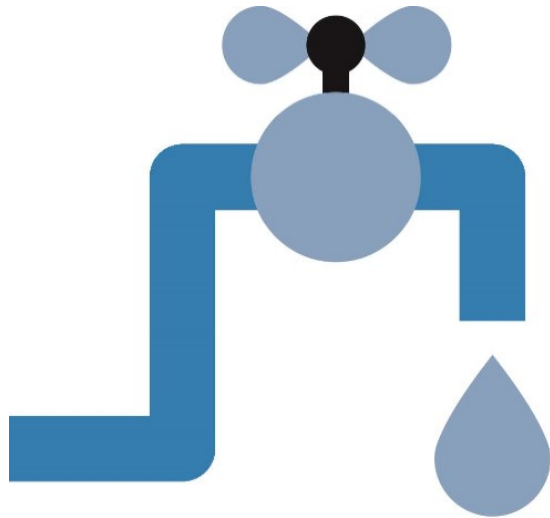
CALL FOR AWARD NOMINATIONS

Please consider nominating a colleague, customer, or company for one or more of the MSPE St. Louis Chapter's Awards this year. The awards will be presented at the annual Engineers Week Awards Banquet in February 2023. Nominations should include resume, biographical sketch or completed application form and are briefly listed below. Deadline for submitting nominees and applications is the **Friday November 25th, 2022**.

Engineer of the Year <ul style="list-style-type: none">▪ PE in Missouri▪ Membership in MSPE/NSPE <i>is NOT</i> required
Outstanding Professional Engineer in Industry, Private Practice, Government, Education, or Construction <ul style="list-style-type: none">▪ PE in Missouri▪ Membership in MSPE/NSPE <i>is NOT</i> required
Young Engineer of the Year <ul style="list-style-type: none">▪ Age 34 or younger as of January 1, 2023▪ Membership in MSPE and NSPE <i>is</i> required
Qualifications-Based Selection (QBS) <ul style="list-style-type: none">▪ Company award▪ Membership in MSPE and NSPE <i>NOT</i> required
Private Practice Professional Development (PPPD) <ul style="list-style-type: none">▪ Company award▪ Membership in MSPE and NSPE <i>is NOT</i> required

A full list of past award winners, award descriptions and specific qualifications is available on the website under St. Louis Chapter History: https://mspe.org/resources/Documents/stl_history_2019_2020%20v1.pdf

Nominations or questions on the awards should be directed to Awards Committee Chair, Diane Grossenheider, grossenheiderd@bv.com



ENGINEERS WITHOUT BORDERS USA
Gateway Professional Chapter

EWB Trivia Night

Who: Anyone and everyone is invited!

What: Engineers Without Borders - Gateway Chapter's Annual Trivia Night

Where: Kirkwood Community Center East Gym
111 S. Geyer Road, Kirkwood, MO 63122

When: Friday, Nov. 18th at 6:30pm. Trivia will start around 7:00pm

Why: To support our water distribution project in El Ventarrón, Nicaragua

\$200 per table of 8 (\$25 per person)

Team reservations are appreciated by November 6th.

To sign up or donate, please visit the event page at <https://support.ewb-usa.org/2022trivia> or email Garrett Watts (garrettwatts@comcast.net).

There will be RAFFLES and CASH PRIZES for the top 3 trivia teams!
Please bring your own food and drinks to the event. (no glass)

Earthquake Insight Field Trip

On November 4-6, 2022, another Earthquake Insight Field Trip will be held. This is an annual event since 2005 (excepting a few years off due to Covid-19). Starting near St. Louis, Mo., the route heads south through Missouri, Illinois, Tennessee, and Kentucky -- and the heart of the New Madrid seismic zone. The route -- almost 500 miles -- includes geologic evidence, historic sites related to the 1811-12 New Madrid earthquakes, and a few engineering examples related to mitigating earthquake risk in this active seismic region. No cost, only personal travel expenses. CEUs available through University of Missouri - Columbia.

For practicing geoscience and engineering professionals, risk managers, emergency management response planners, students, and other interested participants. Led by Phyllis Steckel, RG, AEG Region 7 Director. For more information and to register, please visit: sema.dps.mo.gov/earthquake_preparedness/field-trip.php

Missouri Consortium for Construction Innovation Bootcamp



Topics to be covered:

- Introduction to HVAC Systems
- Below-Grade Waterproofing
- Transition from Technical Expert to Leader
- Panel Discussion with Construction Industry Titans

**Register online by
Thursday, Nov. 3:**

<https://cvent.me/EDe1vD>



MISSOURI CONSORTIUM for
CONSTRUCTION
iNNOVATION

For questions, contact Dr. Islam El-adaway, Hurst-McCarthy Professor,
by email at eladaway@mst.edu, or by phone at 573-341-4030.

**November 10-11
8 a.m. - 5 p.m.**

REGISTRATION COST
Mo-CCI Members: \$1,000
Non Members: \$2,000

Alberici Headquarters
8800 Page Ave.
St. Louis

SCAN FOR
THE AGENDA





Civil, Architectural and Environmental Engineering

Missouri Asphalt Conference to be Held This Fall at Missouri S&T!

ROLLA, Mo.- Missouri University of Science and Technology will host the 63rd annual Missouri Asphalt Conference December 6-7, 2022 in the Havener Center on campus.

Presentations at the conference are divided into four major categories: *construction*, *maintenance*, *materials*, and *equipment*.

Conference topics will include the following: engineered crumb rubber & plastic; milling best practices; achieving acceptable pavements for municipalities; intelligent compaction; balanced mix design for consultants, cities, & counties; low cost, high return pavement preservation; use of consultants as inspectors; emulsions; electronic ticketing; new plant & construction equipment technologies; supply chain issues; environmental product declarations; MAPA updates; and MoDOT updates.

The conference should be of interest to paving contractors, public agencies, state DOTs, consulting engineers, testing labs, asphalt producers, emulsion suppliers, and equipment technical representatives. Certificates to document approximately 10 Personal Development Hours (PDHs) will be provided.

For conference program information and to register visit <https://asphalt.mst.edu/>.

If you are interested in being a sponsor or an exhibitor, please visit <https://asphalt.mst.edu/opportunities/> or contact Dr. Heath Pickerill (573-341-7637; pickerillh@mst.edu).



SIUE FALL 2022 FE REVIEW SESSIONS*



<u>Date</u>	<u>Subject</u>	<u>Instructor</u>	<u>Time</u>	<u>Place</u>
Tues. 10/04/22	Statics	Dr. Fries	4:30 – 5:50 PM	EB 0160
Tues. 10/11/22	Dynamics	Dr. Yan	4:30 – 5:50 PM	EB 0160
Thurs. 10/13/22	Surveying/Construction	Prof. Sherril	4:30 – 5:50 PM	EB 0160
Tues. 10/18/22	Statistics/Math	Dr. Chew	2:00 – 3:20 PM	EB 0160
Tues. 10/18/22	Engineering Materials	Dr. Huang	4:30 – 5:50 PM	EB 0160
Thurs. 10/20/22	Mechanics of Solids	Dr. Panahshahi	4:30 – 5:50 PM	EB 0160
Tues. 10/25/22	Fluid Mechanics	Dr. Denn	4:30 – 5:50 PM	EB 0160
Thurs. 10/27/22	Engineering Economics	Dr. Chen	4:30 – 5:50 PM	EB 0160
Tues. 11/01/22	Geotechnical Engineering	Dr. Ullah	4:30 – 5:50 PM	EB 0160
Thurs. 11/03/22	Environmental Engineering	Dr. Zhou	4:30 – 5:50 PM	EB 0160
Tues. 11/08/22	Transportation Engineering	Dr. Qi	4:30 – 5:50 PM	EB 0160
Thurs. 11/10/22	Structural Design: Concrete	Dr. Panahshahi	4:30 – 5:50 PM	EB 0160
Tues. 11/15/22	Structural Analysis	Dr. Elsis	4:30 – 5:50 PM	EB 0160
Thurs. 11/17/22	Hydraulic/Hydrologic Systems	Dr. Benjankar	4:30 – 5:50 PM	EB 0160

*** ALL SESSIONS ARE TAUGHT BY SIUE FACULTY MEMBERS AT SIUE ENGINEERING BUILDING THE SESSIONS ARE FREE FOR SIUE ENGINEERING STUDENTS. NO PRIOR REGISTRATION IS NEEDED.**

FOR NON-SIUE STUDENTS AND PRACTICING ENGINEERS EACH SESSION WILL COST \$10 PAYABLE TO “CHI EPSILON” AT THE BEGINNING OF EACH SESSION. NO PRIOR REGISTRATION IS NEEDED.

FOR MORE INFORMATION PLEASE CONTACT ETHAN BENNETT, CHI EPSILON TREASURER, AT ETBETTE@SIUE.EDU OR PROF. NADER PANAHSHAHI, CHI EPSILON FACULTY ADVISOR, AT NPANAHS@SIUE.EDU

Employment



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](#)



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
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