



# CELEBRATING ENGINEERING WITH NATIONAL ENGINEERS' WEEK

**TUESDAY, FEBRUARY 21ST, 2023**  
ENGINEERING LUNCHEON  
CLAYTON PLAZA HOTEL

**WEDNESDAY, FEBRUARY 22ND, 2023**  
COLLEGE FAIR  
ENGINEERS' CLUB OF ST. LOUIS

**FRIDAY, FEBRUARY 24TH, 2023**  
CAREER FAIR  
ENGINEERS' CLUB OF ST. LOUIS

Details about the each of the events listed above are available at the link embedded in the red outlined areas above.

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## **Linked**

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

## Officers & Directors 2022 - 2023

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## President's Message



Winter has officially arrived, bringing with it frigid temperatures and snow days. Those of us with kids know the struggle of trying to balance unexpected days off and working from home. Spring can't come too soon for me!

February is a busy month for the St. Louis Section, with all the Engineers Week activities the week of February 19-25<sup>th</sup>. ASCE partners with [DiscoverE](#) to provide promotional materials and activities to promote engineering. Engineers Week is a time to:

### Celebrate how engineers make a difference in our world

In lieu of a regular luncheon, we encourage members to attend the [Engineering Center's E-Week Luncheon](#) at the Clayton Plaza Hotel on Tuesday, February 21<sup>st</sup>. Our Board, as well as committee & institute chairs, will have a table and represent our Society! The guest speaker this year is Maxine Clark, the founder of Build-A-Bear Workshop. Her bio describes how she stepped down from her position in 2013 to cultivate the potential of women and minority entrepreneurs. ASCE embraces the importance of diversity, equity, and inclusion in our profession and workspaces to make us all better engineers. The speakers at this luncheon are always excellent and inspiring – I'm really looking forward to this one!

### Increase public dialogue about the need for engineers

This year we're partnering with ACEC, APWA, and MSPE for [Engineers Day at the Capitol](#) in Jefferson City on Wednesday, February 22<sup>nd</sup> 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](mailto:dboll@geotechnology.com) know if you'd like to join us! We usually carpool in the morning and return that evening.

### Bring engineering to life for kids, educators, and parents

We're planning to have a booth at the Engineering Center's Career Fair on Friday, February 24<sup>th</sup>, like we did last year. We will be there alongside potential employers, talking about Civil Engineering and encouraging students to stay involved with ASCE after graduation! If you're looking for an opportunity to volunteer, we'll also be engaging with kids at [SciFest at the Science Center](#) on Saturday February 25<sup>th</sup>. The Section brings our civil engineering project exhibit board, a demonstration MSE wall, shake tables and Knex, and traffic simulations. We love working with kids and talking to parents about civil engineering and what it takes to become one. You can come all day or just for a few hours. Let me know if you want to help out!

Take some time this month to reflect on your accomplishments as a civil engineer and the positive impact your projects have made on our society! I truly believe this is what makes our profession special and makes me proud to be a civil engineer.

-Alison [agraves@civildesigninc.com](mailto: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><b><u>Diversity and Inclusion</u></b></p> <p>The Diversity and Inclusion (D&amp;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&amp;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><b><u>Pre-College Outreach</u></b></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><b><u>Communications</u></b></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><b><u>Fundraising</u></b></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>



## EWRI ST. LOUIS MONTHLY SPEAKER SERIES EVENT

The St. Louis Section of EWRI is pleased to announce our monthly webinar **on Thursday, February 16, 2023 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 Tuesday, February 14, 2023.** Please register online at the following link:

[EWRI February 2023 Speaker Series Presentation](#)

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

Two Contrasting Response of Forest Watersheds to Reductions in Acid Deposition  
Atmospheric deposition of anthropogenic sulfur and nitrogen compounds (known as acid deposition) primarily originates from emissions from electric utilities, industrial processes, mobile sources and agricultural activities. In the Adirondacks, a glaciated region in northeastern U.S., long-term lake chemistry data indicate a correlation between decadal declines in acidic deposition and recovery of acid impaired lakes. However, in Great Smoky Mountains National Park (GRSM), an unglaciated region in southeastern U.S., stream recovery from elevated acid deposition is highly delayed. In this study, a biogeochemical model, PnET-BGC, was used to relate decreases in atmospheric loads of sulfur and nitrogen to acid-base chemistry of water and soil and predict future response of forest watersheds to reductions in acid deposition. Our model calculations suggest that control on S and N deposition is more effective recovering the acid neutralizing capacity of streams in GRSM than equivalent decreases in S deposition. Therefore, a national program to aggressively control both S and N emissions will be most effective to mitigate the effects of acid deposition broadly across the eastern U.S.

### SPEAKER

#### **Dr. Habibollah Fakhraei, SIUC**

Dr. Habibollah Fakhraei is an Assistant Professor in the Department of Civil & Environmental Engineering at Southern Illinois University, Carbondale. He holds a Ph.D. from Syracuse University with focus on Environmental Engineering. He has a 3-years of experience in environmental modeling and aquatic chemistry as a postdoctoral associate at Syracuse University. He is an environmental engineer, modeler and biogeochemist whose research is principally concerned with tracking the fate and transport of pollutants through environmental systems.

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

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

### Next GI Meeting

The next GI meeting will take place on Friday (02/17/2023) morning at 7:30 AM. It will be a virtual meeting. Contact [Zachary Fallert](#) for meeting details.



**GEO-  
INSTITUTE**  
**St. Louis Chapter**

### 2023 Geo-Omaha Conference

The 40th annual geotechnical seminar on Friday Feb 10, 2023 provides a forum for the presentation of a wide variety of geotechnical field, design, and construction-related topics. A certificate verifying 7.5 Professional Development Hours(1hr Ethics) will be provided to registered attendees. Registration Link for Geo-Omaha 2023 Conference:

<http://events.r20.constantcontact.com/register/event?oeidk=a07ejiennbve5147729&llr=tdh4jixab>

### Call for Presentations

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

### Case Histories Seminar and Student Projects

**DATE:** Wednesday, April 19, 2023

**TIME:** 5:00 pm to 8:30 pm

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

Registration includes a buffet dinner. 2.5 PDH credits will be available.

The Geo-Institute is accepting **presentation topics** for our annual Case Histories Night. The committee is seeking speakers to provide a 60-minute presentation focused on geotechnical engineering projects. Please submit presentation topics to Xiaomin You ([Xiaomin.You@wsp.com](mailto:Xiaomin.You@wsp.com)) and Travis Kassebaum ([Travis.Kassebaum@terracon.com](mailto:Travis.Kassebaum@terracon.com)) prior to **February 25, 2023**.

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

A limited number of **sponsorship opportunities** are available for this event. If interested, please contact Zachary Fallert ([ZFallert@Geosyntec.com](mailto:ZFallert@Geosyntec.com)).



## Younger Member Group Updates

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

	
<b>February YMG Meeting</b>	<b>March YMG Meeting</b>
<b>Thursday, February 9, 2023</b>	<b>Thursday, March 9, 2023</b>
Happy Hour at Modern Brewery	Happy Hour at Armory STL
5200 Oakland Ave, St. Louis, MO 63110	3660 Market St, St. Louis, MO 63110
5:30-6:30pm	5:30-6:30pm
Find Facebook event <a href="#">here</a>	Find Facebook event <a href="#">here</a>
	
<b>April YMG Meeting</b>	<b>May YMG Meeting</b>
<b>Thursday, April 6, 2023</b>	<b>Thursday May 11, 2023</b>
Happy Hour at Global Brew	Happy Hour location at Narwhal's Crafted
2329 Plum St, Edwardsville, IL 62025	3906 Laclede Ave, St. Louis, MO 63108
5:30-6:30pm	5:30-6:30pm
Find Facebook event <a href="#">here</a>	Find Facebook event <a href="#">here</a>

## **Meet a Professional Event**

The St. Louis Section ASCE Younger Member Group (YMG) will be hosting an in-person Meet a Professional event with universities within our section. All students and professionals of any age are welcome to join the event. This event is free of charge and will provide an opportunity for professionals and students to connect.

When: Thursday February 16, 2023 5-7 pm

Where: SLU Campus (building & room number to be sent once finalized)

If interested (as a professional or student), please fill out this form to register:

<https://forms.gle/HMw39xRKBSqT66MD7>

## **Volunteer Opportunities**

### **Girl Scouts of Eastern Missouri: Saturday February 11, 9:30 am - 2 pm**

Volunteers are needed to help with the Think Like a Programmer Journey for Cadettes (6, 7, 8 grades) at the Girl Scout headquarters in St. Louis (no programming experience required). Volunteers will assist with check-in and activities, help with snacks and leading activities in small groups. If interested, please email Alicia Padilla at [alicia.m.padilla4@gmail.com](mailto:alicia.m.padilla4@gmail.com).

### **Science Center SciFest Engineering Expo: Saturday February 25, 9:30 am - 4:30 pm**

Volunteers are needed to help run ASCE booths at SciFest ( a free, all-day public event where the public can explore, connect, and learn from local STEM experts). Different shifts are available throughout the day for the various booths and activities. If interested and if you have a preferred time, please email Alicia Padilla at [alicia.m.padilla4@gmail.com](mailto:alicia.m.padilla4@gmail.com).

## Girl Scouts of Eastern Missouri 'Think Like an Engineer Journey'

### D&I Volunteering

On January 22nd, ASCE St. Louis Section members **Nichole Witushynsky** and **Alicia Padilla** helped with Girl Scouts of Eastern Missouri (GSEM) for the STEM-based 'Ambassador Think Like an Engineer Journey', facilitated by Mary Fuller of GSEM and assisted by Ana Ripp. There were 21 girls (Grades 11-12) who participated in learning about how engineers solve problems through the Design Thinking Process. In this fun, interactive environment they learned about constraints and criteria and to make continual improvements throughout design. There were three design challenges: Harmless Holder (alternative to plastic can six-pack holders), Kinetic Sculpture (two moving parts required), and Mobility Device (to pick up a ping-pong ball and plastic cup for the impaired). Constraints included time and materials. Each design challenge took 50-60 minutes and materials included things like string, tape, cardboard, skewers, modeling clay, and paint stir sticks.

*There's another GSEM opportunity on February 11<sup>th</sup>! Contact Alison Graves [agraves@civildesigninc.com](mailto:agraves@civildesigninc.com) to sign up to volunteer.*



Ana Ripp, Alicia Padilla, Nichole Witushynsky

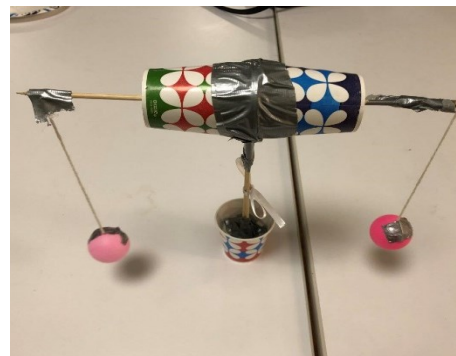
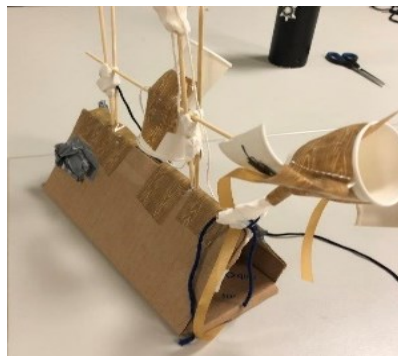


Presentation by Mary Fuller, GSEM

Harmless Helper  
(alternative to plastic  
can six-pack holders)



Kinetic Sculpture  
(two moving  
parts required)





## Engineer's Day at the Missouri Capitol



**Engineers' Day  
at the Missouri Capitol**

**February 22, 2023  
9:15 AM**



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](#)

# REGISTER TODAY



We are a month away from CI Summit 2023, but there is still time to register.

Take advantage of this limited-time offer, as we are extending the Early Bird rate, with a savings of up to \$100. **Use this code when registering: STL23STL** - <https://www.cisummit.org/registration>

Special Student registration offer - **register one student and get the second student registration free**. Contact Katerina Lachinova, ASCE-CI Director at [klachinova@asce.org](mailto:klachinova@asce.org) if you have any questions.

- 1. Start your 2023 CI Summit Experience with the MoDOT technical tour - I-270 North. Build. Progress. Together on Wednesday, March 1 | 2:00–5:00pm**  
The I-270 North Design-Build Project is modernizing 8 miles of I-270, including replacing 7 interchanges with new innovative designs. The tour will showcase several of the recently completed interchanges and visit several interchanges under construction. Outdated designs from the original 1960s construction will be shown and compared with new innovative designs that have provided solutions to change an interstate that had previously acted as a barrier to non-motorized users into an interstate system that is now linking all users to the communities along I-270 North.
- 2. Launch into the technical program on Thursday, March 2**, by attending the “Issues with Existing Utilities During Project Development as a Differing Site Condition” session, or any other technical session of your choice in 4 parallel tracks - <https://www.cisummit.org/program/technical-sessions>
- 3. Have a Plenary Breakfast on Friday, March 3 with MoDOT**  
This session will explore some of the history and inner workings of MoDOT and how the department has advanced throughout the years. A few local projects will be highlighted, with a description of their unique construction techniques. Some of the innovations that MoDOT is putting into practice in the St. Louis Region will be detailed. This candid conversation will also focus on MoDOT’s safety, service, and program delivery, as well as project management that brings the best possible value to Missouri taxpayers and use existing resources wisely. Speakers: Tom Evers, PE, Assistant District Engineer, MoDOT; Justin Wolf, PE, Project Director for the I-270 corridor project, MoDOT.
- 4. Learn about Merchants Bridge Truss Planning & Construction during the Closing Plenary Luncheon on Saturday, March 4**  
The rehabilitation of the historic Merchants Bridge in St. Louis focuses on replacing the three river truss spans, strengthening the existing river substructures and improving the adjacent approaches. This session details Walsh Construction’s and Mammoet’s replacement of the steel truss spans at the Terminal Railroad Association of St.

Louis' Merchants Bridge as part of its rehabilitation. Increasing the capacity and dependability of the bridge will assist in meeting the projected freight and passenger rail demand. This session will also explore how, with the improvements implemented, upgraded and more efficient track service for this twin-track bridge will reduce maintenance and extend the lifespan of this vital river crossing, enabling it to continue to be an important national link between Illinois and Missouri into the next century. Which will provide Previously, rail traffic had been restricted due to weight and width limitations.

**Moderator:** Daniel Sieve, Senior Project Manager, Walsh Construction Company II, LLC

**Speakers:** Eric Fields PE, esq., Chief Engineer, Terminal Railroad Association (TRRA) of St. Louis; Nick J. Staroski, PE, SE, Assistant Vice President, TranSystems

**5. Participate in fun and exciting networking events with multiple receptions and luncheons.**

**Key Dates:**

Hotel Booking Deadline: February 7, 2023

Advance Registration Ends: February 8, 2023

Summit Starts: March 1, 2023



REGISTER NOW AND SAVE



# CONSTRUCTION INSTITUTE SUMMIT 2023

St. Louis, Missouri | March 1-4

*Creating Connections - Building our Infrastructure Together*

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

Students come to the Construction Institute Summit to enjoy opportunities for learning and development. CI aims to empower students and young professionals and to provide them with the tools to make a lasting, positive impact in the industry.

## **SPECIAL REGISTRATION DEAL FOR LOCAL UNIVERSITIES:**

***Pay for one Student registration and receive the 2<sup>nd</sup> Student Registration free.***

Attend all technical and plenary sessions, learn about construction industry trends, technical advancements, and construction engineering and construction project management innovations, and enjoy networking opportunities.

### **ASCE Student Member Registration Fees:**

EB (until 1/18/23) \$300 | ADV (1/19/23-2/8/23) \$400 | ONS (After 2/8/23) \$500

Register today! Complete the form on the opposite side of this flyer and send to [klachinova@asce.org](mailto:klachinova@asce.org)



***Bring your resume for potential job opportunities!***

Hyatt Regency St. Louis at The Arch

[www.cisummit.org](http://www.cisummit.org) | #CISummit2023

[Visit Registration page for details.](#)



**I CEE AT ILLINOIS**



# **I STRUCTURAL ENGINEERING CONFERENCE**

### About the Conference

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

### Conference Planning Committee

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

### Professional Development Hours

The conference will provide 7.0 professional development hours (PDH) for professional engineers.

### Register Today!

<https://my.cee.illinois.edu/isecon-2023>

**Thursday, March 23, 2023**

**I Hotel and Conference Center**

**1900 S. First Street, Champaign, IL 61820**

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

**I ILLINOIS**

## University News

We are pleased to announce the ***Southern Illinois University Edwardsville (SIUE) Watershed Scholars Program*** for students pursuing a Master's degree in environmental sciences, biology, chemistry, or civil engineering with an emphasis in Watershed Science. Selected students will receive a tuition waiver and \$10,000 scholarship for each of the two years they are in the program, as well as funding to attend conferences and to purchase equipment and tools needed to complete their research. In addition, students will participate in thesis and research workshops, career panels, scientific and technical seminars, and mentoring from a variety of sources. Eligible students are required to have an income of \$23,783 or less at program start date (Fall 2023). Scholars must be U.S. citizens, permanent residents, or admitted refugees.

Students applying to SIUE master's programs in [Biological Sciences](#), [Chemistry](#), [Civil Engineering](#), or [Environmental Sciences](#) are eligible to apply for the Watershed Scholars program. Students with an interest in sustainable watersheds and backgrounds in biology, chemistry, engineering, ecology, geography, geology, environmental sciences, fisheries sciences, wildlife management, natural resources, environmental archaeology, geosciences, and paleosciences are encouraged to apply.

After being admitted to the SIUE graduate program, potential scholars must then apply to the [Watershed Scholars Program](#). Potential scholars will be asked to provide a written statement (250-500 words) describing their interest in watershed science research and, if applicable, any prior relevant research experience.

Please share this excellent scholarship opportunity with students who may be interested.

Applications are due **February 15th, 2023** and will be considered on a rolling basis thereafter if funding is available. Further information, including details on how to apply, is attached and can be found on the [Watershed Scholars website](#). If students have any questions, please encourage them to contact the Watershed Scholars project lead, Dr. Adriana E. Martinez at [adrmart@siue.edu](mailto:adrmart@siue.edu). This program is funded by the National Science Foundation DUE Award #2130471.



**SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE**

# Watershed Scholars

## Fully funded Master's Program

Interested in earning a master's degree focused on watershed sciences? SIUE departments of Environmental Sciences, Biological Sciences, Chemistry, and Civil Engineering, in collaboration with the SIUE STEM Center, are pleased to offer the S-STEM Watershed Scholars program to students pursuing their master's degree in a STEM discipline with a research focus on sustainable watersheds.

**Benefits:**  
Tuition waiver  
\$10,000 scholarship each yr (2yrs)  
Funds for research and conference  
Career and research workshops

**Eligibility:**  
U.S. citizen, resident, or refugee  
Income less than \$23,783 at start date

**How to Apply:**  
1) Apply to the degree program you're interested in (Biological Sciences, Environmental Sciences, Chemistry, or Civil Engineering) at SIUE.  
2) Submit a Watershed Scholar application at link below.

**Contact:**  
Dr. Adriana E. Martinez, [adrmart@siue.edu](mailto:adrmart@siue.edu)  
Edwardsville, Illinois just outside of St. Louis, MO

<https://aemartinez05.wordpress.com/siuewatershedscholars/>

S-STEM Award # 2130471



## Employment

### Campus Engineer at Washington University

The Washington University School of Medicine Operations & Facilities Management Department provides a range of services for the medical campus in a customer-focused, efficient, and sustainable manner. The Campus Engineer is responsible for planning and managing the energy, utilities, critical facilities, and infrastructure.

Operations & Facilities Management maintains 61 university buildings and provides operational, planning, and construction services to over 8.3 million gross square feet of space. We will open three new facilities between 2023 and 2025 with over 1.5M BGSF. In addition, the School of Medicine continues expanding its reach on and off campus in teaching, clinical care, and research. Our team plays a vital and important role in delivering care, research, and services.

[https://wustl.wd1.myworkdayjobs.com/External/job/Washington-University-Medical-Campus/Campus-Engineer---OFMD\\_JR72136](https://wustl.wd1.myworkdayjobs.com/External/job/Washington-University-Medical-Campus/Campus-Engineer---OFMD_JR72136)

### 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>



## Regional Area Engineer (Kansas City)

### Who we are:

**Mt. Carmel Stabilization Group, Inc.** is the world's largest and leading stabilization contractor dating back to 1949. The company has a strong emphasis on employee and customer satisfaction and a reputation of superior quality and capability. We are seeking a **Regional Area Engineer** who will be responsible for geotechnical/pavement engineering assistance and regional marketing efforts. The ideal candidate will possess experience in geotechnical and construction materials testing, specifically for chemically stabilized soil and full-depth reclamation. The position will be based in Overland Park, KS.

### Job Requirements:

1. Bachelors of Science Degree in Civil Engineering or Construction Engineering
2. 6+ years' experience in civil engineering, construction, geotechnical, and/or pavement engineering
3. Professional Engineer's license in KS or MO or the ability to obtain a license within 6 months
4. General understanding of geotechnical and pavement engineering concepts, specifically chemically stabilized soil and full-depth reclamation
5. Experience with Kansas DOT, Missouri DOT, and FAA specifications and projects
6. Experience troubleshooting construction issues
7. Experience with geotechnical and construction materials laboratory testing
8. Proficiency with Microsoft Office Suite (Excel, Word, Powerpoint)
9. Willingness to learn new skills, attentiveness to detail, and multi-tasking ability
10. Must be able to demonstrate capabilities in all facets of construction marketing including:
  - a. Presentations
  - b. Case Studies including written, web, video, etc.
  - c. Social media
  - d. Technical marketing including engineering, project evaluation, value engineering, etc.
  - e. Other passive marketing efforts, etc.

### Job Responsibilities:

1. Provide engineering technical support for active area projects
2. Review geotechnical and pavement data during bidding to assist with proposals and bids
3. Research and provide solutions to stabilization and earthwork construction challenges
4. Review and analyze construction material field and laboratory data during construction
5. Resolve geotechnical and pavement engineering field problems
6. Engage with design professionals on applications of chemically stabilized soil and full-depth reclamation
7. Become an active member in industry-related organizations and activities
8. Prepare and present research and case studies at conferences and industry events Implementing different strategies based on unique conditions in each market
9. The position will have an emphasis in Kansas City, Missouri and neighboring states. However, **extensive travel will be required!**

For any questions, please reach out to Mackenzie Weinzapfel ([mackenzie@eandestaffing.com](mailto:mackenzie@eandestaffing.com))

**812-270-0433**



**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](http://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 **20<sup>th</sup> 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](mailto: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.*

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