



**It's time to celebrate civil
engineering in the Gateway City**
Join us at the 2023 Annual Awards Dinner!



ASCE
ST LOUIS SECTION

THE ARCH

SEPTEMBER 2023

As you may have noticed, we are now delivering the monthly Section newsletter, rebranded as *The Arch*, via ConstantContact for a better user experience. Past newsletters will continue to be archived and available for PDF download from the Section website. Enjoy *The Arch*!



ST. LOUIS SECTION

2023 ANNUAL AWARDS DINNER

Program to include:
Presentation of St. Louis Section Awards
Introduction of New Officers

SEPTEMBER 22 – 6:30PM-10:00PM
(Doors open at 6:00)



The Hale Room at The Schlafly Tap Room
2100 Locus St., St. Louis, MO 63103

REGISTER HERE

shorturl.at/jDENY

Jordan Pettibone, Annual Dinner Chair
jepettibone.asce@gmail.com

**Section Board of
Directors 2022-2023**

President

Alison Graves
Civil Design, Inc.
agraves@civildesigninc.com

President-Elect

Chris Toenjes
Roeslein & Associates, Inc.
chr istoenjes@gmail.com

Secretary

Melantha Norton
Nestle Purina PetCare Co.
diodonna@hotmail.com

Treasurer



From the President

Hello St. Louis Section!

I hope you've enjoyed your summer break! It's my favorite season, but I enjoy the routine of the school year with my kids. ASCE also takes a break in the summer, but we're starting again with regular luncheons, board meetings, and activities. The Board is planning the

2023-24 budget and coordinating our first official section event: the [Annual Dinner](#). Join us at The Schlafly Tap Room on Friday, September 22nd at 6pm. We'll be honoring our scholarship recipients, winners of Young Engineer, Professional Achievement, and Project of the Year Awards, and installing our officers. It's a great opportunity to mingle with your ASCE colleagues with drinks and dinner!

Melissa Rettig
Hg Consult, Inc.
mrettig@hgcons.com

Director of Administration

Shari Cunningham
SCI Engineering, Inc.
scunningham@sciengineering.com

**Director of Professional
& Technical Development**

Tony Roth
Geotechnology, LLC
troth@geotechnology.com

Past President

John Weiland
Wade Trim
jweiland@wadetrim.com

If you're not ready to let go of summer (like me), consider signing up for our Younger Member Group's [Pickleball Tournament Fundraiser](#) coming up on Saturday, September 16th at the Missouri Pickleball Club in Fenton, MO. Grab a buddy and register your team to compete in the beginner or intermediate division – all abilities welcome! The proceeds will support the YMG's community service, K-12 and college outreach, professional development, and networking for young professionals!

Over the summer, I represented our Section at the Region 7 Assembly in Rapid City, SD. I met delegates from Colorado, Iowa, Kansas, Kansas City, Nebraska, South Dakota & Wyoming, as well as all the Region 7 Governors.



Each Section shared their successes and challenges – and I have to say I'm so proud of everything we've accomplished this year! We are an active section with dedicated volunteers with a strong financial position. A few highlights:

- Strategic planning for 2023-2027 (ongoing)
- Filled several committee chair positions & organized more activities
- New communications chair redesigned website, newsletter, & social media
- Lots of student chapter interaction – visited every student chapter!

On that note, this will be my last President's Message as my term ends on September 30th. As Past-President, I will plan the Past-President's Dinner and coordinate next year's scholarships. I'll be active with our Government Relations committee and serving on Society Committees, and of course supporting the new President with everything I learned over the last 8 years on the board! It's been an honor to serve as your President – we have so many good things happening in our Section and more to come!

Alison Graves

2023 St. Louis Section President

New Section Website

ASCE St. Louis Section is proud to unveil our new website! Find us now at asceSTL.org, as we've redeveloped our site to better serve our members and stay competitive on the national front.

If you have suggestions or comments, don't hesitate to reach out!



ASCE 2023 Convention

Get ready for the ASCE 2023 Convention! Join us in Chicago for the knowledge, the networking, the tours, and the chance to explore the windy city. Chicago is a city of engineering marvels, and you don't want to miss it. Make sure to attend the Welcome Reception and the debut of ASCE's new film, "Cities of the Future: Reimagining Our World."



2023 ASCE Convention

ASCE Region 7 Awards



Please help ASCE St. Louis Section congratulate and honor the following recipients of Region 7 awards! Thank you for serving our Society well.

2023 Outstanding Younger Member Award

Stephen Noeth, PE
Volkert, Inc.



2023 Lifetime Achievement Award

Jeffrey Fouse, PE
Reitz & Jens, Inc.

2024 ASCE President Marsia Geldert-Murphey

ASCE St. Louis is proud to highlight our own Marsia Geldert-Murphey as the incoming 2024 Society President of the American Society of Civil Engineers, being sworn in during the upcoming [ASCE 2023 Convention](#).

Marisa has been active in ASCE for over 30 years, previously serving as St. Louis Section President in 2006 and Region 7 Governor in 2009-2013. Passionate about advocating for civil engineers' role in government relations, she played a critical role in passing IJA serving as chair for ASCE's Public Policy and Practice Committee. She's also been an ASCE and served on the Program & Finance Committee, Task Committee on Governance Structure, Leader Training Committee, and Committee on Diversity & Women.



Marsia juggles ASCE engagements whilst working full-time as Regional Director of Illinois and Missouri Operations at [Lochmueller Group](#), residing in Glen Carbon with her husband of 30 years with two wonderful children, and being an [avid writer and speaker](#). Her awards include

being recognized as one of the [St. Louis Business Journal's most influential businesswomen](#) of 2010 for her commitment to the St. Louis Region, honored with the [ASCE Edmund Friedman Professional Recognition Award in 2016](#), inducted into the Academy of Civil Engineers at Missouri S&T, elevated to Chapter Honor Member for Missouri S&T Chi Epsilon Chapter. She obtained her BSCE from South Dakota State University in '92 and her MSCE from Missouri S&T in '97. She is a licensed Professional Engineer in Missouri, Illinois, Kansas, and Texas.

We're proud to be led by you, MGM!

Learn more about
Marsia

August Student Chapter Visit - Missouri S&T

Chris Toenjes, Tony Roth, and Brenan Pool visited their alma matter, Missouri S&T, on August 30th where they presented to ASCE S&T about different pathways to civil engineering and how ASCE membership provides community, technical resources, discounts, and more!



2023-2024 Class of Student Ambassadors - Hannah Butkovich

"[ASCE] Student ambassadors represent ASCE on their campuses and through social media, promoting Society resources with the goal of making students aware that there is an ASCE after graduation by sharing the resources that ASCE has to help them grow as civil engineers."

ASCE St. Louis extends a special congrats to Hannah Butkovich, a civil engineering junior at Missouri S&T, [joining 26 other younger leaders as ASCE student ambassadors!](#) Hannah serves as ASCE S&T's vice president whilst previously interning with Keeley Construction Group this summer.



2024 ASCE Multi-Region Leadership Conference (MRLC) - Kansas City

The Central Region MRLC is three conferences in one:

- Workshop for Section and Branch Leaders (WSBL)
- Central Region Younger Member Council (CRYMC)
- Workshop for Student Chapter Leaders (WSCL)

By providing training and support for ASCE leaders at all career stages, over 400 civil engineers and top civil engineering students are expected to attend from ASCE Regions 3, 6, and 7, which span the central part of the continent from Colorado to Ohio and from Ontario to Mexico!



Kansas City was selected to host the 2024 MRLC among many great options. Help us showcase KC as a center for civil engineering and innovation. Our host committee is made up of Younger Members, ages 35 and under, from the Kansas City Section and Younger Member leaders throughout the Central Region. We are responsible for planning networking and social events in conjunction with the conference including an Awards Banquet highlighting selected outstanding Younger Members within Regions 3, 6, and 7.

We are planning many events to highlight Kansas City as a hub for top-notch civil engineering firms and subcontractors. Some of our planned events include:

- Construction Site Tour and Chicken N Pickle, Thursday afternoon to evening (January 11th) Pre-conference social event.
- Streetcar Bar Crawl, Friday evening (January 12th)
- Awards Banquet, Saturday evening (January 13th) – Hosted at The Westin we will host a business casual cocktail hour, dinner, evening entertainment and awards ceremony
- Mini Career Fair, Friday or Saturday (January 12th or 13th) – Hosted during our conference sessions, we will host a mini career fair for both the student chapter leaders in attendance and younger members. Companies can sponsor booths for this event or set up resume drops and publish job opportunities on our conference website.

SPONSORSHIP OPPORTUNITIES WILL BE AVAILABLE SOON.

Please visit ASCE KC's [website](#) for updates or contact the [MRLC Planning Committee](#) for more information.

Younger Members Group (YMG)

You don't have to be a Younger Member to come to the monthly Happy Hour socials!

Join us as we descend upon St. Louis favorite brew-spots while always meeting new faces and enjoying a drink after the workday!

R: ASCE STL YMG Happy Hour at
9 Mile Garden on June 15th



Pickleball Tournament Fundraiser

Saturday Sept. 16, 2023
10 am - 2 pm

Missouri Pickleball Club
747 Gravois Bluffs Blvd.
Fenton, MO 63026

ASCE

ST. LOUIS SECTION

YOUNGER MEMBER
GROUP

- \$30 per person
- Register as a team of 2
- Option to register as an individual to get paired with a teammate
- Round robin competitive tournament with 2 divisions (beginner or intermediate)
- Do not need to be an ASCE member to register

- Registration includes:
 - lunch
 - 2 drink tickets
 - balls & paddles
- 50/50 raffle
- Spectators welcome. Option to provide lunch for spectators
- If you do not want to play & only want to watch & have lunch provided, use code SPECTATOR during sign up

[Register Here](#)

All proceeds benefit ASCE St. Louis Section YMG community service, K-12 & college outreach, professional development, & networking opportunities.

Contact Alicia Padilla at ascestlymg@gmail.com with any questions.

Special thank you to our sponsors:



Younger Members of ASCE make up about 50% of all members in the Society ([ASCE](#)), with the YMG being open to members 35 years or younger as well as others still “young at heart.” The group is a stepping-stone for young engineers and recently graduated student members to develop professional relationships and opportunities!

Contact [Alicia](#) for any questions regarding ASCE St. Louis Younger Members Group!

ASCE

ST. LOUIS SECTION

YOUNGER MEMBER GROUP



@ASCESTLYMG



ASCE STL Young Members

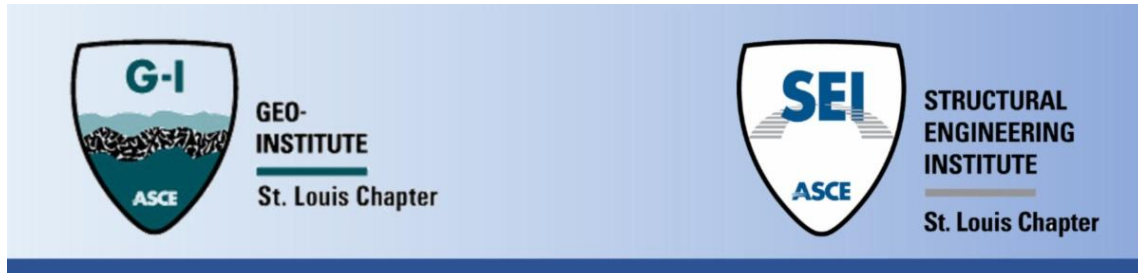
Younger Members Chair

Alicia Padilla

alicia.m.padilla4@gmail.com

Institutes & Technical Groups

Structural Engineering Institute (SEI) and Geo-Institute (G-I) St. Louis Chapters



Structural and Geo-Confluence

Tuesday, November 7, 2023
River City Casino, St. Louis, Missouri

Registration is open for the eight annual Structural and Geo-Confluence hosted by the St. Louis Chapters of SEI and GI. This one-day, in-person conference is open to all. Registration and continental breakfast begin at 7:15 a.m. and the program runs from 8 a.m. to 5 p.m. Lunch is provided.

Agenda includes:

- GeolInstitute Cross USA Lecture – Kyle Rollins, BYU
- Champlain Tower South Collapse - Gary Klein, Wiss, Janney, Elstner, Associates
- Load Matching: A Technique for Selecting Appropriate Allowable Pile Loads for Deep Foundation Projects – Van Komurka, GRL Engineers
- Communicating Health Risks – Radioactive Wastes in North St. Louis County – Greg Hempen, EcoBlast
- Challenging Earth Retention – BJC South Patient Tower – Lyle Simonton, Subsurface Constructors
- Effect of Unanticipated Extreme Loads on the Resilience of Chimneys and Cooling Towers - Phillip Gould, Washington University
- How Geophysical Imaging can Help Geotechnical, Geo-environmental and Structural Engineers – Eugene Torgashov, SCI Engineering
- Recycled Plastics in Low-Density Cellular Concrete – Nico Suttmoller, Aerix Industries
- AASHTO LRFD Bridge Design on Pile Downdrag and Lateral Analysis – Lei Wei, Jacobs
- Additional speakers and topics to be announced soon!

Registration Class	Early Rate by Tuesday, October 17	Regular Rate October 18 to October 31	Late Rate After October 31 and walk-ins
Professional, ASCE Member	\$195	\$250	\$295
Professional, non-ASCE Member	\$250	\$295	\$295
Full-time Students	\$75	\$100	\$110
Local, State, or Federal Government*	\$180*	\$200*	\$295
Exhibitor (includes 1 registration)	\$450	\$450	\$450

*To register with Government Rates, please contact Stephanie Spann

Exhibitor opportunities are available, in addition to meal and break sponsorships. Please contact Lyle Simonton at lsimonton@subsurfaceconstructors.com or 314-421-2460 x101 to discuss these options.

Register at <https://tinyurl.com/Confluence2023register>



Vegetarian and other meal options are available. Please contact Stephanie Spann with your request. Refunds must be requested before October 31, 2023. Any refund will be subject to a 15 percent cancellation fee. Registration may be transferred to another person by advanced notice to Stephanie Spann (sspann@davidmason.com).

Environmental & Water Resources Institute (EWRI) St. Louis Chapter



**ENVIRONMENTAL &
WATER RESOURCES
INSTITUTE**
St. Louis Chapter

EWRI ST. LOUIS SPEAKER SERIES EVENT

The St. Louis Chapter of EWRI is pleased to announce our monthly webinar on **Thursday, September 21, from 12:00 - 13:00 (CDT)**. This presentation will be broadcast live over a webinar. Registration is free to

Towards Minimizing Sewer Overflows

A combined sewer system (CSS) collects rainwater runoff, domestic sewage, and industrial wastewater in the same pipe. The volume of wastewater can sometimes exceed the system capacity during heavy rainfall events. When this occurs, untreated stormwater and wastewater discharge directly to nearby streams, rivers, and other bodies. The overflows threaten public health and the environment, contributing to drinking water contamination and other concerns. This seminar will present examples of numerical simulations (1D, 3D) laboratory experiments and artificial intelligence approaches intended for the optimal control of sewer systems to reduce sewer overflows.

SPEAKER

Arturo Leon, Ph.D., Florida International University (FIU)

Dr. Leon is an Associate Professor of Civil Engineering (Hydraulic Engineering) at Florida International University (FIU). Arturo's research areas include numerical modeling and experimentation of multi-phase flows, resilient flood control, computational fluid dynamics, and physical modeling of hydraulic structures. Arturo's current funded projects include five NSF projects involving large-scale simulation of floods, three-dimensional modeling and experimentation of air-water dynamics (geysers) and artificial intelligence approaches for optimal management of urban water systems. Arturo has received several honors and awards, including an EPA Early CAREER award, being inducted as a Diplomate by the American Academy of Water Resources Engineers, etc. Arturo has developed over ten numerical models for various applications. For instance, his open-source Illinois Transient Model (ITM) has been used for the transient and non-transient analysis of combined sewer systems in U.S. cities such as Chicago, Cleveland and Dallas, and worldwide in countries such as Switzerland, France, Germany and New Zealand.

Click here to sign up!

Please contact [Rohan Benjankar](#) with questions, interest in presenting, or have topic ideas.

Thank you to our sponsors, EDM Inc., and SIUE!

September 21st @ 12:00 virtually

Register by September 19th



Geo-Institute (G-I) St. Louis Chapter



**GEO-
INSTITUTE**
St. Louis Chapter

G-I and AEG Happy Hour

The St. Louis Chapter of Geo-Institute co-hosted a free summer social event with AEG St. Louis Chapter on July 6th at The Armory STL. About 20 professionals and students attended, enjoyed drinks and snacks and great conversations!



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SAVE THE DATE!

28th Annual Partners Golf Classic



Thursday, September 28, 2023

Lunch @ 11AM, Shotgun @ 12:30PM

The Falls Golf Club

1170 Turtle Creek Drive, O'Fallon, MO

PARTNERS GOLF CLASSIC

is a collaboration between transportation industry partners of Eastern MO and Southern IL. Partners include local and state governments, design consultants, highway contractors, and suppliers.



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for Children™



The Leukemia & Lymphoma Society
Fighting Blood Cancers

**All proceeds benefit our featured charities.
Together, we've raised over \$300,000!!**

4 Person Scramble

NEW IN 2023: LIVE SCORING!

**Registration & sponsorship
information coming soon**

INCLUDES

- Driving Range Balls
- Attendance Gifts
- Beverages on Course
- 8 Contest Holes
- Team Putting Contest
- Lunch & Awards Dinner
- Attendance Prizes
- Premium Golf Classic
- Polo (optional)
- LOTS OF FUN



Your GSITE Partners Golf Classic Committee

Kelly Schaefer (Chair) - Jeff Rensing - Travis Pfeiffer - Linda Horn - Bill Vondera - Mike Erdtmann
Justin Wagner - Nick Sokolis - Mike Brown - Ashley Fillback - Phil Pierson - Amanda Brauer

2024 Mid-America Student Symposium - Sponsorships

April 18-20, 2024



Mid-America Student Symposium

Cohosted by



ASCE Student Chapters

Benedictine College
Dordt University
Iowa State University
Kansas State University
Missouri State University
Missouri University of Science and Technology
Saint Louis University
South Dakota State University
Southern Illinois University of Carbondale
Southern Illinois University of Edwardsville
University of Iowa
University of Missouri - Kansas City
University of Missouri
University of Nebraska-Lincoln
University of Nebraska-Omaha
William Jewell College

Introduction

The ASCE Mid-America Student Symposium provides the opportunity for ASCE chapters throughout the region to compete and showcase their civil engineering abilities. The 2024 Symposium will be hosted at Missouri University of Science and Technology in Rolla, Missouri April 18th-20th.

Sponsorships

In preparation for the 2024 Symposium, we are searching for sponsors to help make this event a success. If your company is interested in contributing to the symposium, please contact Garrett Coggin at gac8cx@mst.edu.

We are currently working to finalize our sponsorship levels and benefits, but would be happy to discuss current sponsorship opportunities!

Competitions

The 2024 Mid-America Symposium will host Concrete Canoe, Steel Bridge, Symposium Paper, FE Quiz Bowl, Surveying, and more favorites based on the feedback we receive from the 2023 Symposium!

Student Chapters of the Section



Brynnleigh Weaver, *President*
Joel G. Burken, Ph.D., *Faculty Advisor*
linktr.ee/ASCE_MST | ASCE.MST.EDU

Morgan Voissem, *President*
Jalil Kianfar, Ph.D., *Faculty Advisor*



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Brandon Lanning, *President*
Ajay Kalra, Ph.D., *Faculty Advisor*

[ASCE SIUC Facebook](#)



Magda Carbajal, *President*
Alaa Elsis, Ph.D., *Faculty Advisor*

[SIUE CampusLabs](#) | [ASCE SIUE Facebook](#)



Sotirios Korakis, *President*
Sarah Orton, Ph.D., *Faculty Advisor*

[Instagram: @MizzouASCE](#) | [ASCE Mizzou Facebook](#)



ASCE Missouri S&T Student Chapter



We are pleased to share the Student Chapter and Departmental Update for Sept 2023. The chapter officers put in great effort to keep activities at a high level over the past year. We look forward to keeping up our activities and looking for activities and speakers for the 2023–24 year. The fall employer networking night is planned for September 25th with the S&T Career Fair the following day.

Last spring we had over 200 students and employers, and we hope more will join this fall with sign ups and information included in the newsletter. The ASCE student competition teams had a great summer, with Steel Bridge competing in San Diego after a regional 5th championship and a top 15 national finish! We are hosting the [2024 Mid-American regionals in Rolla](#) next April, along with ASCE MO State Student Chapter – S&T Cooperative Engineering Program. We will be looking for sponsors and judges. If you are interested to find out more, contact us at CArE@mst.edu.

We were also excited to announce that Hannah Butkovich, junior in civil engineering, was announced

as a national ASCE Ambassador, one of only 26 in the U.S.! We also look forward to hosting the St. Louis Section officers August 30th and sending students to the ASCE national convention in October. We are also looking for sponsors to support the students' registrations and travel. These and other stories [are posted online here!](#)



For the department, we are also expanding our educational programs, including a new Construction Engineering Minor and online courses to join our existing distance education degree programs. We topped 700 students this year as we offer eight graduate certificate programs, including three new ones:

- **Advanced Materials for Sustainable Infrastructure**
- **Building Systems Engineering**
- **Surface Water Resources**

These offerings join our five existing certificates, and each can be used to pursue a MS degree in Civil or Environmental Engineering, entirely online or in person for some course offerings. The S&T Engineering online graduate programs also received national acclaim, [being ranked #9 in US News](#) for the 2022 rankings in the U.S.! View [our full listing of opportunities](#) or through the [new Missouri Online portal](#) for all our online education opportunities.

Let's #ChangeTheWorld!

ASCE SLU Student Chapter



The [ASCE SLU Student Chapter](#) is excited to kick off a new academic year. Several members stayed busy over the summer as the chapter had two standout teams at the ASCE Mid-America Student Symposium this past April. The SLU Surveying team competed in the **ASCE-UESI Surveying Championships** earlier this summer at the University of Wisconsin-Platteville. Team Captain Jack Tapy and members Jack Chapin, Kenan Johnson, Owen Uyemura, Morgan Voissem are thankful for this experience and were able to bring back valuable lessons to the chapter.

Another team consisting of Brooke Kenworthy, Jake Cullota, and Landon Winters led by Jack Chapin and Morgan Voissem qualified for the ASCE Innovation Contest Finals. The team has been working diligently throughout the summer to further develop their project and is excited to present their final design in October at the 2023 ASCE Convention in Chicago.

ASCE SLU invites St. Louis Section members to attend the chapter's annual **Welcome Back BBQ on Friday, September 8th** from 4-6 pm. Both students and professionals are invited to attend. It will be a great opportunity to interact with current SLU students. Dinner will be provided by the SLU Student Chapter. Please RSVP using [this form by September 4th](#) if you are interested in attending!

Follow the ASCE-SLU Student Chapter on [Instagram](#) and on [SLU Groups](#) to stay up to date on club events!



@slu_asce

SLU Groups

SLU Groups



asce@slu.edu

Jobs Corner

SENIOR CIVIL STRUCTURAL ENGINEER

FUSEGLOBAL PARTNERS



STORMWATER PROJECT ENGINEER

CITY OF LADUE - LADUE, MO



CIVIL ENGINEER

EDM



TRAFFIC OPERATIONS ENGINEER (SIKESTON, WILLOW SPRINGS)

MISSOURI DEPARTMENT OF TRANSPORTATION



CIVIL ENGINEER (WATER RESOURCES)

**ASCE St. Louis Section**

c/o Engineers' Club of St. Louis
4359 Lindell Blvd., St. Louis, MO63108

Affix
Stamp
Here

Email Section news and events to BrenanP@theEngenuity.com. See the [Arch Newsletter Guidelines here](#).

Keep your contact information up to date by contacting ASCE [@asce.org](https://www.asce.org), 800-548-ASCE (2723)

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