



Outlook

May STL CHAPTER NEWSLETTER: Meeting Thursday, May 15th, 2025 @ 5:30 PM hosted at Terracon Creve Coeur. \$500 student raffle; pizza and networking!!!

From Sean Garcia <SGarcia@teamues.com>

Date Wed 5/7/2025 5:55 PM

To Sean Garcia <SGarcia@teamues.com>

Cc Ducey, Luke <luke.ducey@wsp.com>; Hirsch, Alex <ahirsch@trccompanies.com>; Luetkemeyer, Ben <ben.luetkemeyer@terracon.com>; Gomez, Francisco <fgomez@missouri.edu>; Emma Ludwig <emy.ludwig@rocksmithgeo.com>

AEG St. Louis Chapter Newsletter**May 2025**

Please forward to others you know who may be interested.

Visit www.aegstl.org, our website for the AEG St. Louis Chapter!

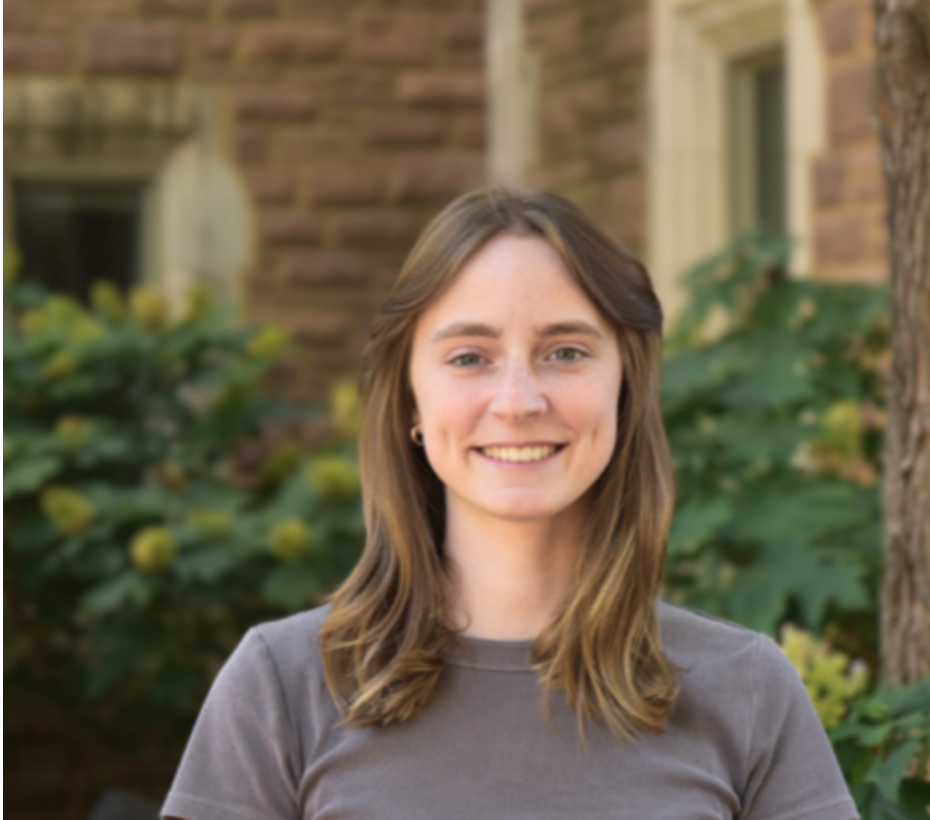
Upcoming AEG St. Louis Chapter Meetings, Speakers, and Field Trips

Thursday, May 15th, 2025 @ 5:30 PM: AEG Students from SIUE, SLU, and MU will be presenting their research topics at Terracon's Creve Coeur's office. **(11600 Lilburn Park Rd, St. Louis, MO 63146)**. Each speaker will present for approximately 20 mins, allowing for questions at the end. Dinner will be provided (Pizza and salad). Fee for the event is \$5 for students, \$15 for members, and \$20 for non-members.

IN ADDITION: This is also the end of year **\$500 giveaway for students** for the Bob Berri scholarship that we will be doing the **raffle!**

By attending a meeting, you are automatically entered into this scholarship. Each additional meeting attended is an additional entry. The more meetings attended, the more likely you are to win this scholarship!!

Thursday, May 15th: On Thursday, May 15th at 5:30 PM; **Terracon will host a Graduate Student Speaker Series.** This chapter meeting will feature AEG Students from SIUE, SLU, and MU presenting their research topics. The meeting will be held at Terracon's Creve Coeur office located at: 11600 Lilburn Park Rd, St. Louis, MO 63146. [RSVP HERE](#)

Comparative Structural Mapping of Highlands on Venus and Cratons on Earth**Lauren Wratchford**

Lauren is a first year graduate student in the Department of Earth, Environmental, and Planetary Sciences at Washington University in St. Louis. Her current research uses remotely sensed data, including multispectral imagery and synthetic aperture radar, to map geological structures on Earth and other rocky bodies in the Solar System. Lauren's research aims to better our understanding of the tectonic evolution of rocky planets and how tectonics impacts climate and habitability.

Assimilation and Immiscibility: Possible Mechanisms for the Formation of Iron-Oxide-Apatite (IOA) Deposits

**Will Hunt**

Will Hunt is a Ph.D. student at the University of Missouri-Columbia where he studies the interaction between fluids and rocks, particularly in ore deposits using microthermometry and experimental petrology. I have experience in other areas including using UAVs to collect LiDAR data and images used for 3D modelling, seismic line surveys, and GIS.

In this talk, I want to cover what IOA deposits are, their impact on the search for critical minerals, and a recently proposed mechanism for the formation of IOA deposits, in which silicate magmas may be intruding into evaporite-bearing sedimentary layers, which are then assimilated, producing immiscible silicate-rich and iron-rich melts. I will also share some of my current work in which I am looking for evidence of this interaction in the Shepherd Mountain and Pilot Knob deposits in southeast Missouri as well as some experimental work in which I hope to confirm the validity of this proposed mechanism.

Mariam Sani of SIUE will be presenting as well.... More details to follow!

News and Information for Region 7 AEG Members

Congratulations to our fearless leader AND NEW FATHER: Luke Ducey and his wife Carolyn, on the new addition to the family!

SAVE THE DATE:

October 3rd and 4th: Association of Missouri Geologists meeting

Saturday, October 25, 2025 will be the biannual **AEG/UES Student Workshop**. This all-day event will be held at the office of UES (formerly Geotechnology) and will provide a hands-on opportunity for soil and rock logging with a drill rig, soil laboratory operations, environmental sampling, and geophysical methods. Students: Keep an eye out for upcoming information on registration for this event! Reach out to Jessie Goodwin at jgoodwin2@teamues.com with questions.

Wednesday, November 5th, 2025 @ River City Casino, Saint Louis, Missouri. The St. Louis Chapters of the Geo-Institute (GI) and Structural Engineers Institute (SEI) are now accepting abstracts for the **14th Annual Structural and Geo-Confluence**. The conference will be a multi-track, full-day event featuring technical topics and case histories presented by local and national experts. The joint morning session will focus on topics concerning the confluence of geotechnical and structural engineering. There will be two tracks in the afternoon: one track on geotechnical engineering and geo-environmental topics, and one track on structural engineering topics. The conference is open to all engineering and construction professionals and students.

The planning committee is seeking speakers to provide a 35- to 50-minute presentation focused on structural engineering, geotechnical engineering, or geo-environmental topics with specific preference given to topics that overlap these focus areas. All persons are encouraged to submit an abstract to Patrick Kinsella at pat.kinsella@shanwil.com by July 24, 2025. Abstracts should be limited to 250 words. Once the planning committee has reviewed the abstracts, notification will be provided to the selected presenters by mid-August 2025. The submitted abstracts and presentation slides will be assembled and included in the conference publication.

Dr. Paco Gomez (professor at University of Missouri - Columbia) is now serving as the **Region 7 Director**. Paco plans to help communication among the three Region 7 chapters (Kansas City, St. Louis, and Chicago) and the AEG headquarters. Thank you, Paco!

Please consider contributing to the AEG Foundation, Donation Form (neoncrm.com), as a memorial to **Phyllis Steckel, Former AEG North Central Regional Director**. You may make your donation individually or when you pay your AEG dues renewal.

AEG Foundation Grant, Diversity Field Trips Grant: The Diversity Field Trips Grant established by Phyllis and Richard Steckel is for junior-high school and high school Earth Science or STEM teachers who teach primarily Black, Hispanic or Latino/a, Pacific Islander, and/or American Indian/Alaskan Native students. Applications are accepted year-round and can be found here: <https://aegfoundation.org/grant-scholarships/>. A completed paper application can be emailed directly to staff@aegfoundation.org.

The St. Louis Chapter will match AEG Foundation donations to Diversity Field Trips Grant up to \$500. If you donate to the AEG Foundation in memory of Phyllis, please let Luke Ducey (Luke.Ducey@wsp.com) know so that we can make a matching donation.

Any Bloggers Out There: AEG now hosts blogs created by AEG members. These are short articles, usually 500 to 1,000 words, that give advice, insight, or perspective about some facet of AEG membership. Topics include ideas to engage students, meeting hints, field-trip ideas, and

professional tribal knowledge. If you have an idea for an AEG blog, please contact Sheri Maskow (manager@aegweb.org) for more information.

DON'T FORGET: If you have not renewed your membership for 2025, please do so as soon as possible. To **renew your membership for the 2025 membership year**, please log in with your username (email address) and password. You will find the membership renewal forms at [Membership](#).

St. Louis Chapter Seeks Monthly Meeting Sponsors

The St. Louis Chapter is seeking a sponsor for our Spring 2025 semester meetings. A sponsorship is \$400-\$500 per semester. As a Spring meeting sponsor, your company will be featured in our meeting announcements and on our Chapter website, and you'll have an opportunity to speak for 3-5 minutes about your company prior to the presentation at our meetings. (Slides may be provided to present during this time.) Please contact the treasurer, Alex Hirsch, (AHirsch@trccompanies.com) for more information.

Employment: Job Seekers & Open Positions

Field Geologist position available in Lawrence, KS. This is a **full time (40 hours/week) Field Geologist position; Monday to Thursday schedule**. They are looking for 0-3 years of experience. Good opportunity for new graduates.

If interested contact **Damien Flaherty, Senior Consultant | EnviroStaff** at [314-369-5755](tel:314-369-5755) or damienf@lgcassociates.com!

To all Jobseekers and Employers – Please contact the newsletter editor, Sean Garcia (Sgarcia@teamues.com), to post your search for an employer or employee, and when you have found a new job or filled an advertised position. This helps us keep our postings accurate and timely.

The webmaster, [Emy Ludwig](#) of WSP will be updating job postings once a quarter

AEG St. Louis Chapter Officers, August 2024 - August 2026

Luke Ducey, Chair (Luke.Ducey@wsp.com)

Ben Luetkemeyer, Vice Chair (ben.luetkemeyer@terracon.com)

Alex Hirsch, Treasurer (AHirsch@trccompanies.com)

Sean Garcia, Secretary (Sgarcia@teamues.com)

Matt Masterson, Past Chair (mmasterson@kaskaskiaeng.com)

Region 7 Director: Paco Gomez (fgomez@missouri.edu)

Emy Ludwig, Webmaster (emy.ludwig@rocksmithgeo.com)

