

AEG St. Louis Chapter Newsletter

Summer Edition 2021

Please forward to others you know who may be interested.

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

Announcement

We would like to congratulate AEG STL Chair Jessie Goodwin and Tommy Goodwin for the birth of Harlan Joe Goodwin on July 20th!

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

Saturday, October 23, 2021 - AEG/Geotechnology Student Workshop

Saturday, November 6, 2021 - “Mini-Earthquake Insight Field Trip” - one day, meet in Cahokia, Ill.; see Rock City, Ill., visit Kaskaskia, Ill., Ste. Genevieve, Mo., Holcim Cement Mine.

Late February/Early March 2022 – Eastern Missouri Dark Sky Observatory trip and speaker. The AEG St. Louis Chapter will visit this working observatory, which is located a few miles west of New Haven, Mo. Dates planned for this visit are Friday, February 25; or Saturday, February 26; or, Friday, March 4, or Saturday, March 5. Because night skies must be clear for star-gazing, this event will be subject to last-minute schedule adjustment: of these four nights, the first one that is cloudless will be the night that we meet! Stay flexible, and keep fingers crossed! Everyone will have a chance to look through the multiple telescopes at this observatory. Stay tuned for more information as the dates approach.

Publication Planned

The Geology of the Cities of the World – St. Louis, Missouri, USA

The Geology of the Cities of the World is a series of professional publications that provide a geologic overview of the world’s most important cities. St. Louis was added to this list some time ago. Recently, the effort to prepare the St. Louis edition of this series has been resurrected.

The audience for this publication includes geoscience and engineering practitioners and consultants, researchers, graduate students, university faculty, urban planners, government officials, diligent property owners, and interested members of the public.

Major parts of the St. Louis edition of *The Geology of the Cities of the World* include Geology, Natural Resources, Natural Hazards, Environmental Issues, and Notable Engineering Projects. Text (with references), maps, and photos will be needed.

An outline for this ambitious publication has been developed. Phyllis Steckel, AEG Region 7 Director has agreed to lead the effort. If you have ideas for topics to be included in the St. Louis edition of *The Geology of the Cities of the World*, please contact Phyllis (psteckel@charter.net).

This will be a collaborative effort, and the work of many authors will be included. There is no funding available, and all collaborators are volunteers. The final publication will be digital (online) only, and no paper or hardcopy publication is expected. The schedule is quite flexible, however, and final publication may be anticipated in 2023 or 2024.

The more information on *The Geology of the Cities of the World* www.aegweb.org/GSOWFAQ Almost 40 cities worldwide have completed publications in this series, including Cairo, Lima, Los Angeles, Montreal, Hong Kong, Johannesburg, San Francisco, and Rome. Publications for Boston, Jakarta, Rio de Janeiro, Washington DC, New York City and others are planned or in progress.

AEG Committees: Opportunities for New Members

There are several AEG Committees that have a need for new members. What are your interests and skills?

The **Advocacy Committee** provides ways for all AEG members to become advocates for our professions of environmental and engineering geology. The **Annual Meeting Committee** helps plan future annual meetings (and you don't have to live in the area where the meeting will be held). The **Awards Committee** helps identify and select candidates for various AEG awards. The **Chapter Support Committee** offers ideas and networking opportunities for the officers of all AEG chapters. The **Communications Committee** oversees the AEG publications and website.

The **Diversity, Equity, and Inclusion Committee (DEIC)** leads efforts for AEG to increase these within AEG practice and networking. There are also the AEG **Finance Committee**, **the Governance Committee**, **the Honorary Member Screening Committee**, **the K-12 Education Committee**, **the Licensure Committee**, **the Meetings Advisory Committee**, **the Nominations Committee**, and **the Student & Young Professionals Support Committee**.

There are plenty of ways to get on board, start a real network, meet some folks and have some fun, too. If any of these appeal to you, please visit www.aegweb.org/operational-committees for more information or email **Maddie German**, AEG Vice President at vp@aegweb.org.

Upcoming AEG National Events

September 18 – 26, 2021: Rock-n-the River San Antonio 2021 AEG 64th Annual Meeting, Westin Riverwalk-San Antonio, Texas. For more information: <https://www.aegannualmeeting.org/>

Student Chapter Seeks Speakers

The Missouri S&T Student Chapter of AEG is looking for speakers for this coming academic year. Meetings are held on Thursdays at 2pm in McNutt Hall and usually last an hour. Presentations would be approximately 40 minutes, and in-person or virtual speakers could be accommodated. Presentations on the topics of industry practices, projects, experience, technology, professionalism, and career development are typical but all speakers are welcome. Contact Jacob Fitzpatrick, the student chapter President, at jfttdv@mst.edu for more information.

St. Louis Chapter Seeks Monthly Meeting Sponsors

The St. Louis Chapter is seeking sponsors for our fall meetings. The cost of a meeting sponsorship is \$300.

As a monthly meeting sponsor, your company will be featured in the meeting announcement and on our Chapter website, and you will have an opportunity to speak for 3-5 minutes about your company prior to the presentation at our virtual meeting. (Slides may be provided to present during this time.) Please contact the treasurer, Luke Ducey (lducey@geotechnology.com) for more information.

Employment: Job Seekers & Open Positions

Opportunities at Saint Louis University

GRADUATE RESEARCH ASSISTANT

3 research assistant positions are available in remote sensing for energy/power sustainability, cloud computing, and data fusion, and computer vision/ML for agriculture. Bachelor's degree required.

The position covers a 12-month stipend (26k), healthcare \$320/month * 12 months, and a graduate tuition scholarship. Interested candidates can contact Dr. Vasit Sagan (vasit.sagan@slu.edu) and Jim Molloy (jim.molloy@slu.edu).

[Geographic Information Science M.S. : SLU](#)

GEOSPATIAL PROGRAMMER AND SOFTWARE ENGINEER

The Remote Sensing Lab at Saint Louis University is looking to fill a software professional and programmer position. Experience in coding for geospatial/imagery analysis and AI/ML skills are

preferred. The position listing is being created. Interested candidates can contact Dr. Vasis Sagan (vasit.sagan@slu.edu) and Jim Molloy (jim.molloy@slu.edu).

[Remote Sensing Lab at Saint Louis University Geospatial Institute : SLU](#)

IMAGERY SCIENTIST

The Department of Earth & Atmospheric Sciences at Saint Louis University is looking to fill a position for a remote sensing instructor and professional. This is a non-tenure-track, 12-month research faculty position that will apply artificial intelligence, machine learning, computer vision, data fusion and software development techniques to develop automated tools for non-destructive crop monitoring, seed quality estimation, and yield prediction using ground, UAV, and satellite imaging. Interested candidates can contact Dr. Vasis Sagan (vasit.sagan@slu.edu) and Jim Molloy (jim.molloy@slu.edu).

[Instructor, Remote Sensing & Imagery Scientist \(myworkdayjobs.com\)](#)

POSTDOCTORAL RESEARCHER

The Geospatial Institute (GeoSLU) and the Department of Earth & Atmospheric Sciences at Saint Louis University is looking to fill a Postdoc Fellow position in remote sensing and precision agriculture. Interested candidates can contact Dr. Vasis Sagan (vasit.sagan@slu.edu) and Jim Molloy (jim.molloy@slu.edu).

[Postdoctoral Fellow, Remote Sensing \(myworkdayjobs.com\)](#)

AEG St. Louis Chapter Officers, August 2020 - May 2022

Jessie Goodwin, Chair (jgoodwin@geotechnology.com)

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

Luke Ducey, Treasurer (lducey@geotechnology.com)

Ben Luetkemeyer, Secretary (ben.luetkemeyer@terracon.com)

Stephanie Kline-Tissi, Past Chair (klinestephaniej@gmail.com)

Midwest Regional Director: Phyllis Steckel (psteckel@charter.net)