

September 2020

President's Message.....2
EWRI St. Louis Annual Meeting.....3
Open Committee Positions3
Geo-Institute Meeting3
EWRI Monthly Speaker Series
Event4
Structural and Geo-Confluence.....5
Volunteer Opportunity through
Community Engineering Corps (CE
Corps)6
Employment Opportunities7
Submit items to the newsletter.....9

Upcoming Events

September

- 11 G-I St. Louis Chapter Meeting
- 15 EWRI St. Louis Chapter Annual Meeting
- 17 EWRI St. Louis Monthly Speaker Series
- 25 St. Louis Section Annual Awards
Presentations

November

- TBA Structural and Geo-Confluence

Follow the Section and share with your
network.



Update your bookmarks with our new
Section website

<http://sections.asce.org/st-louis/>



You are cordially invited to attend

**St. Louis Section
Annual Awards Presentations**

September 25, 2020

**12:00 pm
(online)**

Presentation of Section and Institute Scholarships

Presentation of Awards

Professional Recognition Award

Young Engineer Award

Otto Nuttli Award

Project of the Year Award

Acknowledgement of ASCE 2020 Award Recipients

Acknowledgement of ASCE Region 7 2020 Award Recipients

Installation of New Officers

Time and Date

12:00 pm 1:00 pm, Friday, September 25, 2020.

Location

This event will be presented online. Registration is required at [Register here](#) by 9:00 PM on Thursday, September 24, 2020. Login information will be provided to registrants on the morning of September 25.

Cost

FREE

Officers & Directors 2019 - 2020

President

Brent Vaughn
Department of Civil Engineering
Southern Illinois University Edwardsville
brent.vaughn.asce@gmail.com

President-Elect

Jordan Pettibone
Horner & Shifrin, Inc.
jepettibone.asce@gmail.com

Vice President

John Weiland
Wade Trim
jweiland@wadetrim.com

Secretary

Alison Graves
Civil Design Inc
agraves@civildesigninc.com

Treasurer

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

Director of Administration

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

Director of Professional Development

Melissa Rettig
Jacobs
Melissa.Rettig@jacobs.com

Director of Technical Development

William S. Stahlman III
America's Central Port
bstahlman@americascentralport.com

Past President

Chad Schrand
Horner & Shifrin, Inc.
cmschrand@hornershifrin.com

President's Message



Welcome back to the start of the new year for the Section. If you followed our email messages over the summer you probably noticed there was a little less activity when compared to recent summers. I can assure you that your local institutes and committees are gearing up for another year packed with engaging activities.

In a mid-August email to ASCE leadership from ASCE President K. N. Gunalan, ASCE strongly encourages us *“to pursue alternative options, such as the use of virtual platforms, for meetings to be held through the remainder of this calendar year. We also encourage that decisions to conduct an in-person event should be made only if in-person interaction is critical to meet desired objectives and all recommended safety protocols and procedures can be accommodated, in accordance with [CDC guidelines for events and gatherings.](#)”* We are continuing to monitor the local health situation and related rules governing events as well. As a Section, we will encourage that all events be presented in a virtual format at least through the end of 2020.

We began to plan the *2020 Annual Awards Dinner* a few months ago recognizing the likelihood that we would have to adjust our program to this current and ongoing health situation. The announcement on the first page of this issue describes this year's rendition of our traditional, and most important annual event into our *2020 Annual Awards Presentations* ceremony recognizing achievements of the professional engineer, students and other stakeholders to the civil engineering profession. I hope to see all of you attend this event to recognize the accomplishments of our colleagues and the students that are joining us. It is free to attend this year and you can do so from your home or office.

In this, my final newsletter column as St. Louis Section President, I wish to express my sincere appreciation for all of our Board of Direction members (listed on the left side of this page) as well as for the leadership of our local institute chapters and committees (<http://sections.asce.org/st-louis/contacts>). **Jordan Pettibone** advances to President for this upcoming year effective October 1. I have known Jordan for many more years than the time we have served together on the board. I look forward to continue working with him to serve our members. I also want to say a heartfelt *Thank You!* to **Chad Schrand** for his many years of service on the Board.

All of the dedicated professionals contributing to Section leadership continue to bring meaningful programs to benefit our members and our greater community in the spirit of the ASCE mission statement to *“Deliver value to our members, advance civil engineering, and protect the public health, safety, and welfare.”* I enjoy building demonstration models and will continue outreach activity by sharing through hands-on civil engineering inspired activities. I encourage all of you continue to expand your involvement with ASCE.

Thank you for this honor to lead the ASCE Saint Louis Section. I look forward to seeing you in person soon.

Brent M. Vaughn, PE

brent.vaughn.asce@gmail.com

EWRI St. Louis Annual Meeting

EWRI St. Louis Chapter Annual Meeting, Virtual on September 15, 2020

You are invited to attend our Chapter's 2020 annual meeting on September 15 Tuesday, 11:30am-1pm, virtual on Webex. **Please register by 12pm Friday September 11** at

https://docs.google.com/forms/d/1FN635Hh50gUjbZTXejN6emHuCQpBGkTY_QVrt1orROo/edit

Webex invite will be sent to registered emails by Len Madalon at ljm@edm-inc.com.

The meeting will provide status report and discussions of chapter activities, including annual financial report and budget review, professional development webinars and symposium/workshop, activities of engaging and supporting students, collaboration with other professional organizations, update of EWRI national activities relating to local chapters. If you have proposed agenda items, please email to Chapter Chair Jim Zhou at jzhou@siue.edu by September 8.

Nomination for EWRI St. Louis Chapter Officer

Our Chapter is looking for an enthusiastic member to join the leadership team for the position of Secretary/Treasurer. The role and responsibilities are described in our Bylaws at <http://sections.asce.org/st-louis/node/18>. If you would like to nominate yourself or another member of our Chapter, please email name to Meg Zuercher, Meg.Zuercher@jacobs.com, by September 11.

Open Committee Positions

Communications Co-Chair - The Committee'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. The Co-Chair is expected to work closely with the president and chairmen of other committees to obtain information of vital interest to the membership. Correct and timely information should be obtained from the program committee regarding forthcoming meetings. Valuable news will also be found in the Section Leader, a regular publication issued from ASCE headquarters. An informal but regular system of contacts or reporters is an essential ingredient to the collection of interesting news.

Geo-Institute Meeting

The St. Louis Chapter of Geo-Institute will meet 7:30AM on Friday, September 11. Please RSVP [here](#) to receive the link to the meeting by the evening of September 10.

EWRI Monthly Speaker Series Event



EWRI St. Louis Monthly Speaker Series Event

The St. Louis Section of EWRI is pleased to announce our monthly webinar **on Thursday, September 17, 2020 at 11:30 am-12:30 pm Central Time.**

This presentation will be broadcast live over a webinar. Registration is free to ASCE members. **Advance registration is required by Noon, Monday, September 14, 2020.** Please register online in advance at the following link:

<https://docs.google.com/forms/d/e/1FAIpQLSett23vrZ79L3B3VtnV5nxypqgVBOXiwBalpaOJF2ZFROB4ng/viewform>

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

JOHNSON COUNTY, KS STRATEGIC ASSET MANAGEMENT PLAN | SAMP

Johnson County Stormwater Management Program (SMP) partners with the 20 cities in Johnson County to manage stormwater and is funded by a 1/10th of one percent, Countywide sales tax. It administers these funds by providing matching funds to cities for eligible projects, including study, design, and construction projects. The SMP, as part of a strategic planning initiative completed in 2016, began funding projects to renew deteriorated stormwater infrastructure under a new 'System Management' program. This program is intended to fund planned projects to inspect, rehabilitate, and replace stormwater infrastructure and natural elements. The program follows a traditional asset management approach wherein individual structures, lines, and natural elements are treated as individual assets which are assigned scores to prioritize their renewal or replacement. CDM Smith worked with the SMP to develop the framework to consolidate stormwater system data on a County-wide basis, assign prioritization scores to each asset, and create guidelines for development of projects which can now be funded by the SMP.

In addition to developing the framework CDM Smith worked with SMP and Johnson County AIMS (GIS Department) to develop a web application to help communities identify, develop, and apply for County funding of system replacement projects. The user logs-in to the simplified user interface where they can filter assets by watershed and City. The user can see all of the assets and associated risk score within their jurisdiction. The user then selects assets to develop a project. The user can see which assets are eligible for funding and which are not (based on risk score). The app automatically develops a budget for replacement and fills out an online form which is then submitted to the County for approval of funding.

SPEAKERS

Jessi Veach is a Water Resources Engineer with 14 years of experience in stormwater/wastewater collection system design, hydrologic and hydraulic modeling, utility planning, and environmental permitting. With a degree in Mathematics and Civil Engineering from San Diego State University, Jessi enjoys managing projects that integrate planning, modeling, design and construction management services. For the last 10 years, Jessi has focused on projects that increase resiliency and sustainability for her clients such as implementing green infrastructure to reduce CSOs and provide flood reduction, as well as conducting SW management planning studies that include asset management, risk analysis, and resiliency planning.

Nick Ranalli is a User Experience (UX) Researcher and Designer with CDM Smith's Information Management. Nick creates and improves user experiences through user research, user interface and interaction design and usability evaluation. Currently, he facilitates a user-centered approach to website and web application projects in stormwater management, natural hazard risk assessment, water quality monitoring and protection, and other domains.

Thank you to our joint seminar sponsor, **EDM Incorporated!**

Please contact **Len Madalon** (ljm@edm-inc.com) with any questions, if you are interested in presenting, or have an idea for a topic.



**GEO-
INSTITUTE**

St. Louis Chapter



**STRUCTURAL
ENGINEERING
INSTITUTE**

St. Louis Chapter

5th Annual Structural and Geo-Confluence

ONLINE CONFERENCE

NOVEMBER 2020

The St. Louis Chapters of the Geo-Institute (GI) and Structural Engineering Institute (SEI) will host the fifth annual Structural and Geo-Confluence online in November 2020.

The conference will be a multi-day event featuring technical topics and case histories presented by local and national experts. Sessions will be focus on the confluence of structural and geotechnical engineering. The conference is open to all engineering and construction professionals and students. Sponsors and virtual exhibitors are welcome.

Dates, speaker & topic lineup, and registration details coming soon!

Volunteer Opportunity through Community Engineering Corps (CE Corps)

CECorps is a program that was started in 2014 by an alliance between ASCE, the American Water Works Association (AWWA) and Engineers Without Borders USA (EWB-USA). CECorps advances local infrastructure solutions by providing pro-bono engineering services in partnership with communities that need it most. Members of these three organizations can volunteer their time and expertise to assist communities that do not have the resources to access engineering services in a traditional manner.

Visit https://www.asce.org/community_engineering_corps/ for more information.

There is a CECorps project team in Hartford, IL that is in need of a Responsible Engineer in Charge (Civil PE licensed in Illinois). The project team is currently made up of EWB-USA members. The team has done one site visit and is holding virtual team meetings.

The project involves utility planning and permitting for the construction of a new church building in Hartford, IL. The Church will be utilizing a pre-fabricated steel structure for the new church. The placement of the church will be on a plot of formerly farmed land, which does not currently have water or sanitation services from the street to the building site. Current permitting or planning for these utilities has not yet been done. On the nearest access road to the site for the new build, there are municipal water and sewer services, but no outreach has yet been conducted to those municipalities. A project team will be conducting any necessary design as well as assisting with permitting for construction. In addition, the team may examine potential alternatives due to the fact that tie-in to the sewer system would necessitate digging up a town-owned roadway and thus be potentially cost prohibitive. The church is a nonprofit church group located within the town of Hartford, IL., and has been a part of the community for over 90 years.

Learn what the [Responsible Engineer in Charge Role](#) entails. If interested in volunteering, email Melissa Prelewicz, ASCE's CECorps staff liaison, at mprelewicz@asce.org.

Are you a **Passionate, Highly-Motivated**
Geotechnical Engineer?



Do you want flexibility in your job?
Do you want the ability to be innovative?
Do you want great benefits?
Do you have these qualifications?

- **BS/MS degree in Geotechnical Engineering**
- **Passed FE Exam and eligible for PE exam (or already obtained PE)**
- **Excellent written and verbal communication skills**

If so, we want to talk to....YOU!****

To apply please visit our website at...

www.sciengineering.com/careers

NOW HIRING IN MISSOURI, ILLINOIS, COLORADO AND TEXAS

Mechanical Engineering Instructor Needed for Missouri Society of Professional Engineers (MSPE) PE Refresher Course

MSPE has been giving PE refresher courses to help engineers prepare for the PE licensee exam for the past more than 20 years. MSPE currently has an opening for Mechanical Engineering instructors.

Eligible candidate is required to be a Missouri registered professional engineer (P.E.) in Mechanical Engineering with at least 5 years of related working experience. The instructor will give review courses to help participants pass the professional engineer (P.E.) license exam, and the covered disciplines includes HVAC and Refrigeration, Thermal and Fluid Systems, Machine Design and Materials. Two categories of instructors are needed:

(1) The instructor is required to be proficient in all three areas and familiar with the P.E. exam and can adjust the class content flexibly based on the student registration and their desired testing disciplines.

(2) The instructor is required to be proficient in one of the three areas and familiar with the P.E. exam and will either work with the other instructors for the mechanical classes (2-3 sessions per instructor) or work alone on the specialized area (7 sessions) based on the student registration and their desired testing disciplines

The classes are scheduled from January to March and includes 7 separate sessions that are held from 8 am to noon on Saturdays at St. Charles Community College (Address: 4601 Mid Rivers Mall Dr. Cottleville, MO). For details regarding the class and payment, please contact Lisa Cheng at lisa.cheng@hdrinc.com or call at 919-749-5998.

Note: Class might be temporarily switched to be online due to the ongoing Covid situation.

Submit items to the newsletter...

Please try to get all announcements for placement in the newsletter to the Newsletter Editor by the 20th of the month prior to 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.** PDF files are also acceptable but may not look as sharp when inserted into the newsletter and hyperlinks will probably not carry through to the final version. For multiple page announcements, please consider providing 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
c/o The Engineering Center
4359 Lindell Blvd. St. Louis, MO 63108**