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Upcoming Events

April

- 11 – April Luncheon at The Engineering Center
- 11 – EWRI Spring Meeting
- 11 – YMG Meeting
- 15 – *A Walk for Education*
- 20 – EWRI Webinar
- 21 – *Water, Water, Everywhere*
- 25 – GI Case Histories and Student Projects
- 29 – YMG Rebuild Together
- 30 – Region 7 award nominations due

May

- 1 – YMG Meet a Professional Luncheon
- 17 – *St. Louis Envision Workshop*

June

- 1 – Local awards nominations due



April Luncheon
Tuesday, April 11, 2017

The City Foundry Project

With over \$4Billion of recently announced and permitted projects in St. Louis, the downtown area and the central corridor is leading the way for a city-wide revitalization. One of the early and continuing contributors to redevelopment in the city has been the CORTEX district. The City Foundry historic redevelopment project looks to expand upon the ideology of the CORTEX District to serve as the area's public market to create, support, and share new and interesting ideas with the public focused on food, retail, product, art, and performance. Come hear about this exciting project!



Speakers

Todd Rogan – Director of Development, Lawrence Group.
Scott Zola – Director of Construction Services, Lawrence Group.

Time, Date, Location

11:30am to 1:00pm, April 11, 2017, at The Engineering Center, 4359 Lindell, St. Louis 63108. Registration starts at 11:30am and lunch is served at 11:45am. The program will begin promptly at 12:00pm. One (1) PDH available.

Cost

\$15/person, students and members in transition \$5 (checks payable to ASCE).

Registration

Please register and pay online at <https://goo.gl/DqX5DS>, or call the Engineering Center

314-533-9333, or by email: info@engineersclub.net for reservations by **4:00pm, Thursday, April 6**. ASCE is charged for all reserved lunches. If you've signed up and can't make it, please cancel by Thursday before the meeting or we may have to charge you for the meal.

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President's Message

Matt Harper

I thought the saying went, "April showers bring May flowers." March has been wetter than average this year, with 4.22 inches of rain when 3.35 inches is the average. Most of it fell in the last 10 days of the month where it seemed like every day it rained or there was a chance of rain. I know this because my son's baseball team was very excited to finally get outside for practice, but so far all but one of the practices have been rained out. Also many preseason tournaments around the area were rained out. Welcome to spring in the St. Louis area!

Spring also means the time for many ASCE events. One event is the Environmental & Water Resources Institute annual spring seminar *Water, Water, Everywhere*. This year's seminar will be held on April 21st at The Engineering Center. The seminar is a full day event addressing current and emerging water-related topics in our region.

Another event is the *St. Louis Envision Workshop* sponsored by the St. Louis Section's Sustainability Committee. This year's workshop is on May 17th at The Engineering Center. This full day workshop will inform the participants about the Envision sustainability rating system and prepare them to take the Envision Sustainability accreditation test.

I cannot forget to mention our great Younger Members Group and their events. On April 29th, they will be participating in *Rebuild Together*. This is an all-day event where they will be helping a local family with home repairs. Another event, and back by popular demand, is the *Meet a Professional Luncheon* on May 1st at St. Louis University. This event provides a unique opportunity for current professionals and younger members to mentor students interested in their field of engineering. It provides the opportunity for the students to be paired up with a professional to discuss topics such as project work, transitioning from college to the work force, and the next steps after college.

It is the time of year again to be considering nominations for Region 7 and Local Awards. The Region 7 Awards include *Outstanding Younger Member*, *Outstanding Faculty/Practitioner Advisor*, and *Lifetime Achievement*. Nomination forms can be found at the ASCE Region 7 website <http://regions.asce.org/region7/awards>. The deadline for submittal is April 30, 2017. The Local Awards include *St. Louis Section Project of the Year*, *Professional Recognition Award*, *Young Engineer Award*, *Award to Service People*, and *Excellence in Journalism Award*. Guidelines and nomination forms are available on our St. Louis Section website at <http://sections/asce.org/stlouis>. Nomination for these Local Awards are to be submitted to Susan McCrary at smccrary@stlmsd.com by June 1, 2017.

I hope everyone has a good month! Let's go Cardinals!!

Sincerely,

Matt Harper, P.E.

State Advocacy Training

Are you interested in legislative issues affecting your role as civil engineer and ASCE member? ASCE has well-developed and active issues and advocacy programs. For an overall view and links to more details, please visit

http://www.asce.org/advocacy_programs/.

Among those programs there are opportunities to develop relationships to offer your perspective on issues related to civil engineering not only at the federal level, but also at the state and local levels. St. Louis Section's Government and Public Relations Chair, **Dennis Boll**, recently participated in ASCE's *State Advocacy Captain* training. Members interested in learning about and getting involved in the vital legislative outreach initiatives at the state and local levels can learn more about them by visiting the Section's Legislative report webpage at <http://sections.asce.org/stlouis/Legislation.htm>.

Infrastructure Report Card Committee

The St. Louis Section of ASCE, in a joint effort with the Kansas and Kansas City Sections and the Wichita Branch, is initiating an effort to produce a state infrastructure report card. This report card will be consistent with ASCE's national report card which can be viewed at <http://www.infrastructurereportcard.org/>. The 2013 Kansas and Missouri State report cards are also available for review under the States tab.

We are currently seeking volunteers to serve on the report card committee. This effort will take approximately one year starting in February, 2017. A kick-off informational webinar will be held mid to late February with how the existing report cards are updated. Basically, volunteers will serve as "champions" or with a team for a specific type of infrastructure. As a champion or as part of a team, you will make contacts to agencies and organizations in an effort to find as much existing information about the status of the particular type of infrastructure as possible. You will then be responsible for a four to six-page write-up explaining the importance of the infrastructure to this region and summarizing the future needs to maintain or improve the infrastructure. Infrastructure categories that will be graded include: Aviation, bridges, dams, drinking water, energy, inland waterways, levees, rail, roads, schools, solid waste and wastewater.

If you are willing to help with this effort, please contact Chad Schrand at cmschrand@hornershifrin.com or 314-335-8670.

Region 7 Awards Nominations

The Region 7 Board of Governors has announced that they are now accepting nominations for the ASCE Region 7 Awards program. This is a great opportunity to recognize the dedicated volunteers in your sections and branches. The deadline for submittal is **April 30, 2017**. Please consider a nominee for each of the following categories:

- Outstanding Younger Member
- Outstanding Faculty/Practitioner Advisor
- Lifetime Achievement

Members are encouraged to provide at least one nominee for each award from the Section. Multiple nominations for each award are welcomed. The forms are posted to the ASCE Region 7 site

<http://regions.asce.org/region7/awards>

We hope you all to take the time to recognize those hard working individuals within your Section who are deserving of these awards. Again, nominations are due **April 30, 2017**. If you have any questions or need additional information please feel free to contact:

Scott T. Asher, P.E., M. ASCE
Region 7 Governor, Colorado Section
scott.asher@wilsonco.com

Call for Local Award Nominations

The St. Louis Section is seeking nominations until **June 1** for the following Local Awards:

St. Louis Section Project of the Year

This award is made annually for any engineering project that falls into the general category of civil engineering. The award is given to the owner, lead design engineer and general contractor of the project. Only engineering and construction achievements within the boundaries of the St. Louis Section are eligible. The project must have been completed and placed into operation within 5 years of the date the nomination is submitted. Basis for the Award is “an engineering project that demonstrates the greatest engineering skills, and represents the greatest contribution to civil engineering progress and mankind”.

Professional Recognition Award

This award recognizes the importance of professional attainment in the advancement of the science and profession of engineering and is presented annually to a Member of the St. Louis Section who has made substantial contributions to the engineering profession and the St. Louis Section.

Young Engineer Award

This award recognizes professional contributions of younger members to the Society and to the Section and is presented annually to a Member of the Section who is less than 35 years of age on February 1, 2017.

Award to Service People

To bring public recognition to individuals who have performed outstanding service to people in their communities and to further public understanding and recognition of the identification “Civil Engineering - A People-Serving Profession”. The awardees need not be civil engineers but are selected based on their service to the general public that has some connection with the planning, design or construction of the people serving works of the civil engineering profession.

Excellence in Journalism Award

This award is to honor journalists for outstanding articles that enhance public understanding of the role and impact of civil engineering in designing solutions for clean water, transportation, the environment, and other public works projects. Nominations will be accepted for journalists and producers from English-language, general-interest regional and national newspapers, radio and television stations, magazines, and electronic and Web-based news outlets.

These awards are presented to deserving civil engineering projects and individuals in our community and are a great way to showcase the civil engineering excellence in our Section.

Please submit nominations to Susan McCrary at smccrary@stlmsd.com or call 314-768-6306. Guidelines and forms for making nominations are available on our St. Louis Section website at <http://sections.asce.org/stlouis/> under the “Awards & Scholarships” tab or the information can be emailed or mailed to you upon request.

Deadline for submittal is June 1, 2017.

Diversity and Inclusion Committee

A Walk for Education 2017

ASCE St. Louis Section will partner with NSBE St. Louis Alumni Extension for the third year at the annual “Walk For Education”. This event will be held on April 15th, 2017 at the St. Louis Community College - Florissant Valley. The goal of A Walk for Education (AWFE) is “to increase awareness of the opportunities available through education particularly in the STEM fields and to shatter myths about African Americans in math, science, engineering and other technologies.” This event will reach at least 200 students.

Any members interested in volunteering or if you have questions please contact Melantha Norton at mnorton@stlmsd.com.

Administration Openings

ASCE St. Louis Section is seeking dedicated members to open chair committees as briefly described below, with the opportunity that the incoming chair will “make it their own.”

Newsletter Editor – The Newsletter Editor will be responsible for producing and publishing the ASCE St. Louis Section monthly newsletter and mid-monthly updates, distributed electronically via email to Section membership. The Newsletter includes announcements regarding 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.

Membership Champion - The Membership Champion will be responsible for promoting membership in ASCE of all qualified civil engineers, and to encourage active membership in the local section by all ASCE members in the area. Responsibilities also include outreach to non-member civil engineers in the area, inviting them to Section meetings, and encouraging them to join and become active in ASCE.

Public Information Coordinator – The Coordinator will be responsible for increasing public awareness of ASCE and civil engineering within the local community and to gain recognition of the Section within the Society. The Coordinator will organize press releases to local publications regarding special activities and local and national awards, as well as articles to highlight Section activities for ASCE publications.

Please contact John Weiland (jweiland@wadetrim.com) to further discuss the details of operating one of our Administrative committees.

ASCE St. Louis Section Department of Professional Development Openings

Continuing Education/Attendance Committee – The Committee will be responsible for greeting members and guests at general membership meetings, collecting event fees, documenting attendance, providing PDH certificates to attendees as appropriate, and notifying the president of any unanticipated dignitaries at the events. Please contact Alison Graves (alison.graves@jacobs.com) to further discuss the details of operating one of our Professional Development committees.

Younger Members Group

Join us for happy hour!

Thank you to everyone who came out to our meeting at Civil Life last month. Come join the next monthly meeting with our St. Louis YMG! We'll be heading over to the Saint Louis University campus to have our happy hour with the students.

April YMG Meeting:

Tuesday, April 11, 2017

FIELDHOUSE Pub and Grill

510 N Theresa Ave, 63103

6 PM to 8 PM

Agenda:

We'll continue to plan our Mentor Luncheon and discuss Rebuild Together.



Science Center

Saturday, February 25th, our Younger Members volunteered at the Science Center for Engineer's Week! Using our exhibit, we showed kids how to build a suspension bridge and talked with them about civil engineering. Thank you to all our volunteers that day!

Dream Big!

On Saturday, February 25th, our Younger Members joined the Dream Big movie premiere. Thank you to our Younger Member, Brandi Jones, for planning such a great evening. If you haven't seen this great movie that encourages students to consider a career in engineering, it's still playing at the Science Center!



Rebuild Together!

We'll be helping a local family with home repairs through Rebuild Together on **Saturday, April 29th** starting at 8 am. This is an all-day event, however if you can only give a few hours at any part of the day, we have tasks for you too! Interested in helping out? Send an e-mail to Melissa.Marks@ch2m.com

Region 7 Awards

The **Region 7 Award nominations** are open! Do you know an amazing Younger Member, Outstanding Faculty/Practitioner Advisor, or Lifetime Achievement Professional that deserves our recognition? Check out the nomination forms [HERE](#).

Kansas Float Trip

The Kansas Section has begun planning their annual float trip at Shady Beach Campground (near Noel, Missouri) and you're invited! Planning is still in the making, but this event will take place on a weekend in June. The Kansas section has asked for a head count of anyone who may be interested. A few of our members have attended this weekend event in the past and had a blast! Interested? Send an e-mail to Melissa.Marks@ch2m.com.

Meet a Professional Luncheon

Check it out! We're helping students connect with professionals and younger members in their field of civil engineering to discuss topics like project work, companies, the transition from college to full-time, and any other questions they may have. Interested in helping plan? Send an e-mail to Melissa.Marks@ch2m.com. Interested in being a mentor? Sign up below or send me an e-mail.

Interested in being a Professional Mentor? [Sign up here!](#)
Interested in being a Younger Member Mentor? [Sign up here!](#)
Know a student that may be interested? [Spread the word!](#)

Meet a Professional Luncheon

ASCE
ST. LOUIS SECTION

When? Monday, May 1st
11:30 am - 1:00 pm

What? Join us for lunch and be paired with a professional in your field of civil engineering to discuss their work, company, and any other questions you may have about the next step in your career!

Where? Il Monastero at Saint Louis University
3050 Olive St, St. Louis, MO 63103

How? RSVP by April 23rd to:
Melissa.Marks@CH2M.com
Include your name and area of interest (i.e. Structural, Geotech, Environmental, Construction, etc.)

**Lunch sponsored by the
ASCE St. Louis YMG**

EWRI St. Louis Chapter Spring Meeting

Tuesday, April 11, 2017, 1-2pm

The Engineering Center (Basement Meeting Area), 4359 Lindell Boulevard, St. Louis 63108
(EWRI meeting is right after the ASCE April 11 Luncheon in this same Center. If you attend the ASCE Luncheon, please make your reservation directly with ASCE St. Louis)

Your RSVP by April 5 is appreciated: jzhou@siue.edu

Agenda Items (preliminary)

Webinar Series
Spring Seminar and One STL Summit
Continuing Education Seminar and MWIP
Section Website Page Update
Annual Financial and Budget Review
EWRI St. Louis Chapter Election
Student Involvement
E-Week Speaker Recap and EWRI World Congress Attendance

Please feel free to suggest additional agenda items by April 5

If you are unable to attend, please advise your questions, comments, suggestions, or inform if you would like to volunteer to Elise Ibendahl (elise.ibendahl@ch2m.com) and Robert Holmes (bholmes@usgs.gov)

EWRI Secretary/Treasurer Nominations

The ASCE St. Louis Section Environmental and Water Resources Institute (EWRI) is accepting nominations for Secretary/Treasurer. Please send notice of nomination (of yourself or someone else) along with a short bio to Robert Holmes at bholmes@usgs.gov.



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



EWRI St. Louis Monthly Speaker Series Event

The St. Louis Section of EWRI is pleased to announce our monthly webinar, **jointly sponsored by Missouri University of Science and Technology, on Thursday, April 20, 2017 at 11:30 am-12:30 pm.**

This presentation will be broadcast live over a webinar. Registration is free for in-person (at USGS in Rolla) or webinar attendance. **Advance registration is required by Monday, April 17, 2017.**

Please register online in advance at the following link: <https://goo.gl/forms/HrqtYcvBJarN9Aze2>

Registrants will receive detailed login & dial-in information or directions for in-person attendance prior to the event.

NRCS Runoff Curve Number Hydrology – Where did it come from? Where is it going?

The NRCS runoff curve number method was developed in the 1950s to fill a technological gap for estimating runoff from rainfall. Today, the method is both widely praised and criticized, yet continues to be used world-wide as a basis for hydrologic analysis in environmental and water resources assessments and design of best management practices. In 2015, NRCS entered into an agreement with ASCE to update the runoff curve number method, in part based on recommendations from the ASCE Runoff Curve Number Task Committee report, “Curve Number Hydrology: State of the Practice.” This presentation explores the history and development of the runoff curve number method, the need for updates to the method, and NRCS’ plan for incorporating the updates into agency-published materials.

Speaker: Claudia C. Hoeft, P.E., F.ASCE, is currently the National Hydraulic Engineer at the USDA - Natural Resources Conservation Service (NRCS), in Washington, D.C. Claudia started her career with SCS (now NRCS) in 1991, as a hydraulic engineer trainee in Columbia, Missouri. Since then, she served as NRCS state hydraulic engineer in Indianapolis, Indiana and Columbia, Missouri before taking a position as a national technical specialist at the NRCS’ National Water Management Center in Little Rock, Arkansas. She has served in her current position since 2005. As the national hydraulic engineer, Claudia coordinates the development of technical guidance and training materials and represents NRCS on numerous interagency working groups and committees. Claudia, a graduate of Missouri S&T, has been active with ASCE since her student days. Recent ASCE activities have included serving as Chair of the EWRI/Watershed Management Technical Committee (WMTC). Claudia has co-authored or edited several chapters in the NRCS National Engineering Handbook (NEH) on Hydrology and on Snow Survey and Water Supply Forecasting. Most recently, she worked with WMTC and ASCE representatives to develop a Memorandum of Understanding (MOU) to establish a framework for cooperation between NRCS and ASCE, and a cooperative agreement between NRCS and ASCE to update several chapters in the NRCS NEH on Hydrology. Claudia is a registered professional engineer in Indiana and Missouri.

Thank you to our joint seminar sponsor, **Missouri University of Science and Technology!**

Please contact Robert Holmes (bholmes@usgs.gov) with any questions, if you are interested in presenting, or have an idea for a topic.

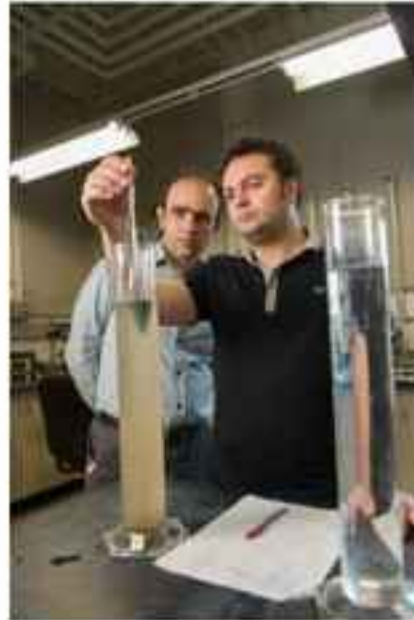
ATTENTION: EWRI Secretary/Treasurer Nominations Needed

The ASCE St. Louis Section Environmental and Water Resources Institute (EWRI) is accepting nominations for Secretary/Treasurer. Please send notice of nomination (of yourself or someone else) along with a short bio to Robert Holmes at bholmes@usgs.gov.

Gain the Competitive Edge at SIUE

Whether you are a working professional or a full-time student, the Southern Illinois University Edwardsville School of Engineering graduate program will prepare you for **advancement opportunities**, placing you in a better position to boost your **salary potential** and attain **career goals** in a competitive job market.

- Pursue a graduate degree in civil engineering while gaining expertise in the field.
- Choose a concentration in **structural, environmental, transportation or geotechnical** engineering.
- Conduct field and lab-based research and learn from highly-qualified faculty who are experts in their respective fields.



New! Earn Your Master's Degree with a Geotechnical Engineering Specialization

SIUE's Civil Engineering Program is expanding offerings in the geotechnical area to better suit the needs of students and local professionals. All courses are offered in the evening.

Summer 2017

CE 435 Pavement Design
CE 592-001 Design of Levees and Floodwalls

Fall 2017

CE 457 Soil Mechanics in Engineering
CE 492-11 Soil Improvement Methods
CE 592-02 Advanced Soil Mechanics

Spring 2018

CE 492-12 Environmental Geotechnics
CE 548 Finite Elements
CE 592-11 Geotechnical Earthquake Engineering

SOUTHERN ILLINOIS UNIVERSITY
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SCHOOL OF ENGINEERING

If you are interested in the Civil Engineering graduate program, contact Dr. Ryan Fries at rfries@siue.edu. For information on the geotechnical specialization, contact Dr. Reza Osouli at aosouli@siue.edu.

siue.edu/grad/civil-engineering