

September 2015

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Upcoming ASCE Events

September 17
EWRI Monthly Speaker Series

September 25
ASCE Annual Awards Dinner

September 26
SIUE/ASCE Golf Tournament

September 29
EWRI Annual Meeting



JOIN US FOR THE

ASCE ST. LOUIS SECTION
2015 ANNUAL AWARDS DINNER

FRIDAY, SEPTEMBER 25, 2015

Rose of the Hill by Favazza's
2300 Edwards Street
St. Louis, MO 63110

Cocktail Hour: 6:30 – 7:30 PM
Dinner: 7:30 PM

PROGRAM TO INCLUDE:

Presentation of St. Louis Section Awards
Introduction of New Section Officers
Live Music by the Brian Vaccaro Trio

Cost: \$35.00 Members, Guests and Students
Passed Hors d'oeuvres and Dinner
Limited Open Bar
Free Parking

FOR REGISTRATION:

Registration is available online
Please register no later than September 17th

[REGISTER ONLINE HERE](#)



QUESTIONS?

Contact: Melantha Norton, Annual Dinner Chair
mnorton@stlmsd.com
314.335.2086

Officers & Directors 2014 - 2015

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Kyle Tabor

Director of Technical Development

Jordan Pettibone

Director of Professional Development

Brent Vaughn

Past President

Marc Bacchetti



President's Message

Shawna Erter

As usual, summer was fast and Fall is too quickly upon us. I hope you all have enjoyed your summer and found a way to stay dry. I spent the summer running through the bucket list of summer fun with my kids and loved every second of it. Oh, yeah, I got a little work done in between those days as well but just a little. The kids are back in school and it's time to get back to work. Some of you have probably enjoyed not seeing my column the last two months as the Section took our annual summer break, but I'm back for one last newsletter message. We actually did get a little work done over the summer and I am excited to see the new slate of officers installed at the upcoming Annual Dinner, Friday, September 25 at Favazza's. If you have not registered yet, please register today.

The year went by so quickly and much seems like a blur. I am still impressed by how smoothly the Section operates and all of the amazing volunteers who keep the train moving forward. I express my thanks to the committee chairs and members, our officers and directors and all of those who have spent time answering my questions and emails as I made this journey. I am truly humbled to be included in such an amazing group of individuals as those that have held the office before me. Our Section has a strong, stable Executive Board and I am confident that it will continue to provide smooth leadership into the future. Our next general meeting, and my last as President, is Tuesday, September 8 at 11:30 at the Engineers Club in which we will be voting for the upcoming slate of officers, so please join us. Additional information regarding voting and nominations is provided in this newsletter.

Mike Buechter will be taking over as our next President, and I know he will do a wonderful job. At the Annual Dinner, scholarships will be awarded to all five of the universities within our Section as well as our awards for Project of the Year and Professional Recognition. We will also be recognizing two National award winners from our section this year which is an honor and a tribute to the amazing engineers and members we have in our section. I encourage all of our members to attend the Annual Dinner on September 25. As the year draws to a close, I want to thank all of the board members, the committee chairs and their members, and all of those who have worked so hard to make this year a success. I wish our incoming President, Mike Buechter, great success and support from the all of our members, the St. Louis Section Board, and Past President. I look forward to seeing you at our Annual Dinner.

Sincerely,

Shawna Erter, PE

St. Louis Section News

The Nominating Committee met July 2015 and is pleased to present the following slate of candidates for the next year:

- President-Elect – Matt Harper
- Vice-President – Lyle Simonton
- Secretary – Chad Schrand
- Treasurer – Brent Vaughn
- Director of Professional Development – Alison Graves
- Director of Administration – John Weiland

Additional nominations may be made in writing, signed by 10 members, at the September luncheon. If no additional nominations are made at the September luncheon, the above nominees shall be declared elected by the President and the newly elected officers will take office the first day of October following the Annual Meeting on September 25th or as soon thereafter as may be practicable and shall hold office until their successors have been duly elected and qualified.

EWRI—St. Louis News



EWRI St. Louis News

EWRI St. Louis Monthly Speaker Series Event

The St. Louis Section of EWRI is pleased to announce our fifth webinar **jointly sponsored by Missouri University of Science and Technology on Thursday, September 17, 2015 at 11:30 am-12:30 pm**. Joe Wilson with Allgeier, Martin and Associates, in Rolla, Missouri will discuss Design Storms. Mr. Wilson's 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 end of business on Friday, September 11, 2015.** Please register online in advance at the following link:

https://docs.google.com/forms/d/1MnoXYFNNxeleg75RxkKPEngDimFoSGmu0tIDhgzxca4/viewform?usp=send_form

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

EWRI September Speaker Series Topic: Design Storms for Hydrologic Modeling

Design storms are widely used in modeling the rainfall-runoff response of a watershed. A design storm is used to describe the duration and depth vs. time distribution of rainfall for a desired annual probability storm event. Common time distributions of rainfall are presented including: the Pilgrim-Cordery distribution; SCS Type-II distribution; Huff's Quartile distributions; and the temporal distributions published in the Atlas 14, Region 8, Rainfall Frequency Atlas, released in 2014. Limitations and issues associated with the distributions and the resulting impacts on hydrologic modeling results will be discussed.

Speaker: Joseph Wilson *Joseph P. Wilson, PH, PE, is Vice President and Hydro Division Manager for Allgeier, Martin and Associates, in Rolla, Missouri where his duties include flood studies, FEMA mapping, bridge*

hydraulics, storm water master planning, regulation development, technical training, dam and reservoir analysis and design, permitting, computer modeling, stream and rainfall statistics, expert witness, and peer review. He has instructed more than a dozen technical seminars on hydrologic and hydraulic analysis. Mr. Wilson has over 29 years of experience in hydrology and hydraulics. He has both a Bachelor of Science and a Master of Science in Civil Engineering from the University of Missouri-Rolla and is currently working on a PhD in Civil Engineering at Missouri University of Science and Technology under Dr. Cesar Mendoza. Joe is a veteran of the United States Marine Corps.

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

Please contact Elise Ibendahl (elise.ibendahl@ch2m.com) or Dr. Robert Holmes (bholmes@usgs.gov) with any questions, if you are interested in presenting, or have an idea for a topic.



EWRI St. Louis Annual Meeting

The EWRI Annual meeting will be held **Tuesday, September 29th, 11:30 am**, at CH2M, 300 Hunter Ave Suite 305. Lunch will be provided. Agenda items include 2015-2017 officer elections, programs for 2016, review of 2015-16 activities, November 10th Section Luncheon Speaker selection, webinar series, MLRTE (levee technical exchange) recap, and more. We are actively looking for volunteers willing to help with our in-person programs, and soliciting webinar speakers and topics. If you are interested and can't attend the meeting, please let Elise Ibendahl know that you'd like to help. RSVP to elise.ibendahl@ch2m.com if you are planning to attend. Detailed directions will be emailed to those who RSVP.

ASCE Younger Members

September YMG Meeting:

Tuesday, September 22, 2015

6pm-8pm

Tropical Liqueurs St. Louis

1800 South 10th Street, 63104

<https://www.facebook.com/pages/Tropical-Liqueurs-St-Louis/266256356917707>

Hi YMGers!

This is our first meeting of the Season! Join for some delicious daiquiris and nice weather. Bonus-There's a Movie Madness attendance prize with movie gift cards and goodies.

Items we need to get rolling for the beginning of the year:

- Awards Dinner: **September 25, 2015**. More details here: [Event Flyer Link](#)
 - For those of you who don't know, Jordan Pettibone was selected as this year's Younger Member of the Year. Congratulate him when you get a chance, even if it's just to see him blush.
- SIUE/ASCE Golf Scramble: **September 26, 2015**. It's at the Orchards Golf Club in Belleville, IL. Registration form here: [Click Me For Golf](#)

- TRIVIA TRIVIA TRIVIA: We need help getting our annual trivia night off the ground. This will be a big part of the discussion on Tuesday. In particular, we need people to create questions and gather auction items. This money has gone to our student groups, professional development, and charitable organizations in the past. Let's keep the tradition alive.
- We talked about getting a Mentor Roulette luncheon going for the students. Let's start gathering interested mentors and clearing dates with students.
- Central Region Younger Member Council (CRYMC) Conference will be held January 15-16 in Chicago IL. (Along with the Student/other leadership conferences in concurrence with ours).
 - Let's identify who's interested in joining. It's a general leadership conference, so specialization doesn't tend to be a problem. ASCE will oftentimes sponsor a couple of attendees.
 - In an attempt to organize as a region, let's work with our student chapters with transportation, costs, and hotel to make the event as smooth as possible.
 - These conferences often have a call for awards. I think we should try and submit at least 2 nominations from the YMer's.
- Let's get a list going of people interested in being speakers (about individual projects, lessons learned, etc.). Student groups are often looking for quality speakers, we well as schools and other volunteer organizations. If I have a list handy to give out, it would ease the process.
- For the Fall, maybe a bit before the Holidays, let's get a group together to volunteer for [Operation Food Search](#) again. Last year was fun, and I think most of us would like to do it again.
- Institute news
 - SEI has a conference scheduled for October 16, 2015.
 - Geo-Institute will be having a conference November 6, 2015.
- Spring Activities
 - E-Week
 - Trivia Night
 - Legislative Drive-In
 - Career Day
 - Rebuilding Together
 - Summer Picnic
 - Mid-Continental Conference
 - Student Membership Parties

Let's goal plan our year:

- Set a goal of 2 professional (PDH worthy) tours/events. (Side note: I think it would be fun to just go on the AB tour for the fun and free beer of it...)
- Maybe go above and beyond with our e-week outreach with 'Discover' (<http://www.discovere.org/about-us/collaboration-grants>) money.
- Nominate more worthy people of awards. Come on-we know people who do more than they need to, let's say thanks!

The Year's Calendar (Probably Subject to changes here and there):

October YMG Meeting:

Tuesday, October 13, 2015

Trainwreck Saloon

314 Westport Plaza Dr. 63146

6 pm to 8 pm

http://westportplaza.trainwrecksaloon.com/index.php?option=com_content&view=featured&Itemid=101

December YMG Meeting:

Tuesday, December 8, 2015

Nick's Irish Pub

6001 Manchester Ave. 63110

6 pm to 8 pm

<http://www.nicksirishpub.com/>

February YMG Meeting:

Tuesday, February 9, 2016

Laurie's Place

228 N. Main St. 62025

6 pm to 8 pm

<http://www.lauriesplacebar.com/>

April YMG Meeting:

Tuesday, April 12, 2016

Flannery's Irish Pub

1324 Washington Ave. 63103

6 pm to 8 pm

<http://www.flanneryspub.com/menu.pdf>

November YMG Meeting:

Tuesday, November 10, 2015

Hotshots Bar and Grill

1319 Central Park Dr. 62269

6 pm to 8 pm

<http://www.hotshotsnet.com/locations/stlouisarea/ofallonil.aspx>

January YMG Meeting:

Tuesday, January 12, 2016

Schlafly Bottleworks

7260 Southwest Ave. 63143

6 pm to 8 pm

<http://schlafly.com/bottleworks/>

March YMG Meeting:

Tuesday, February 9, 2016

Humphrey's Restaurant and Tavern

3700 Laclede Ave. 63108

6 pm to 8 pm

<http://www.humphreysstl.com/location/>

May YMG Meeting:

Tuesday, May 10, 2016

Blueberry Hill



6504 Delmar in The Loop, 63130

6 pm to 8 pm

<http://blueberryhill.com/food/>

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2015 ANNUAL AWARDS DINNER
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Please register no later than September 17th

[REGISTER ONLINE HERE](#)



QUESTIONS?

Contact: Melantha Norton, Annual Dinner Chair

mnorton@stlmsd.com

314.335.2086



REGISTRATION: 11:30 p.m. **TEE-OFF:** 12 p.m. **COST:** \$55/PERSON - \$40/STUDENT - \$8/MEAL ONLY
 18 HOLES OF GOLF, CART INCLUDED, WITH DINNER, AWARDS, AND MEET-AND-GREET TO FOLLOW!
 MEAL WILL BE GRILLED AND FRIED CHICKEN, SALAD, POTATOES, AND VEGETABLES. WATER AND SODA WILL BE INCLUDED.

AWARDS

LOWEST SCORE – LONGEST DRIVE – LONGEST PUTT – CLOSEST TO THE PIN – MARSHMALLOW DRIVE
 ADDITIONAL EVENTS AVAILABLE TO ENTER DURING REGISTRATION
 FOR MEAL ONLY, SEND RSVP TO DMOLOHO@SIUE.EDU BY THE REGISTRATION DATE.
 REGISTRATION DUE BY 9/21/15. GOLF ATTIRE IS REQUIRED. NO STEEL SPIKES ARE ALLOWED ON THE COURSE.

REGISTRATION:

PLEASE COMPLETE THE FOLLOWING AND SEND WITH CHECK (PAYABLE TO SIUE ASCE*) TO:

ATTN: ASCE STUDENT CHAPTER
 CAMPUS BOX 1800, SIUE
 EDWARDSVILLE, IL 62026-1800

CAPTAIN NAME: _____

CAPTAIN EMAIL: _____

CAPTAIN PHONE: _____

MEMBER 2: _____

MEMBER 3: _____

MEMBER 4: _____

SPONSORSHIPS: (SEE INCLUDED APPLICATION)

PLATINUM: LOGO AND NAME ON HOLE, REGISTRATION TABLE, ATTENDANCE PRIZE + ONE (1) 4 PLAYER TEAM (*BEST VALUE!*) - **\$400**

GOLD: LOGO AND NAME ON HOLE, REGISTRATION TABLE, AND ATTENDANCE PRIZE - **\$200**

SILVER: LOGO AND NAME ON REGISTRATION TABLE AND ATTENDANCE PRIZE - **\$100**

STUDENT: PAY FOR A STUDENT TO REPRESENT YOUR COMPANY ON THE COURSE - **\$55**

*IF PROVIDING ANY TYPE OF SPONSORSHIP MAKE CHECK PAYABLE TO **SIUE FOUNDATION** FOR TAX RECEIPT.

QUESTIONS? CONTACT DAVID MOLOHON AT DMOLOHO@SIUE.EDU OR (217) 741-8960



SEI Day - 2015



**STRUCTURAL
ENGINEERING
INSTITUTE**

St. Louis Chapter



Friday, October 16, 2015
7:45 AM - 5 PM

Masonry Institute of St. Louis
1429 S. Big Bend Blvd.
St. Louis MO 63117

Schedule of Events

7:45 - Registration & Exhibit Hall Opens

8:15 - SEI Keynote Address: Qualifications of Future Structural Engineers - A Case for Change
Don Dusenberry, PE, Fellow SEI - Past President of SEI, Sr. Principal SGH Inc.

9:00 - Gateway Arch: Close-up Investigation of the Visible Stains on the Stainless Steel Skin
Christine M. Freisinger, PE, SE - Wiss, Janney, Elstner Associates, Inc.

9:45 - Break to Visit Exhibit Hall

10:15 - Integral Abutment Bridges: Behavior, Design, and Ongoing Research
Joe Riddle - Engineering Systems, Inc.

11:00 - Jacking Details to Replace Expansion Bearings for the Truss Bridge over the Illinois River
Chad Hodel, PE, SE - WHKS & Co.

11:45 - Lunch & Exhibit Hall Networking

12:30 - What Structural Engineers Should Know About Building Above Underground Mines
Gennaro G. Marino, PhD, PE, D.GE - Marino Engineering Associates, Inc.

1:15 - Parking Garage Corrosion Mitigation & Rehabilitation
Tore O. Arneson, PE, SE - Vector Corrosion Technologies, Inc.

2:00 - A Historical Perspective on Deep Foundation Construction in the St. Louis Region
Lyle Simonton, PE - Subsurface Constructors

2:45 - Break to Visit Exhibit Hall

3:15 - Alaska's Northern Rail Extension: Tanana River Bridge
Howard Gotschall, PE, SE - Hanson Professional Services Inc.

4:00 - Rehabilitation of the Ha Ha Tonka Castle - the Snyder Mansion
Phillip Shinn, PE - Jacobs

4:45 - Questions & Evaluation



Cost

\$125 - Early Bird before October 1st

\$150 - Regular Registration

Registration: <http://seiday2015.eventbrite.com>

Seating is Limited

Questions to Randall Bernhardt

Email: rpbernhardt@esi-mo.com Phone: 636-24





**GEO-
INSTITUTE**

GEO CONFLUENCE

**GEOTECHNICAL &
GEO-ENVIRONMENTAL
CONFERENCE**

Call for Abstracts! **NOVEMBER 6, 2015**

*St. Charles Convention Center
St. Charles, Missouri*

The St. Louis Chapter of the Geo-Institute is now accepting abstracts for the fifth annual GeoConfluence, a full day conference focusing on geotechnical engineering and geo-environmental topics. This annual conference will include technical topics and case histories from the geotechnical engineering and geo-environmental industry. This one-day conference is open to all and is scheduled for Friday, November 6, 2015. The conference planning committee is seeking four to six speakers to provide a 30-60 minute presentation focused on geotechnical engineering or geo-environmental topics. All persons are encouraged to submit an abstract to Nicholas Roth at nicholas.roth@psiusa.com by July 20, 2015. Abstracts should be limited to 250 words. Once the planning committee has reviewed the abstracts, notification will be provided to the selected presenters by August 7, 2015. The submitted abstracts and presentation slides will be assembled and included in the conference publication.

SIUE Mentor Program

Mentor Fact Sheet

The Southern Illinois University Edwardsville Mentor Program provides an opportunity for students and professionals to connect in positive one-on-one mentoring relationships. Through the program, professionals can enhance the quality of a current student's academic experience by interacting, exchanging ideas, and sharing their career experiences and knowledge with future SIUE graduates.

Who can Become a Mentor?

We are looking for professionals who have a minimum of a Bachelor's Degree and have at least 3 years of professional experience.

How Much Time Is Required to Be a Mentor?

We know how busy professionals are, and we do not want your participation in this program to hinder your day-to-day routine or conflict with your other commitments. Whether it be a one-time meeting or an ongoing partnership – we can use your expertise in helping foster student's professional development. The amount of time you commit is up to you and your mentee. Therefore, we have made this program as adaptable and user-friendly as possible.

What If I Live Outside of the Edwardsville Area?

Keep in mind that mentors do not need to live in close proximity to SIUE or to their student in order to participate in the program - a mentoring relationship built solely on email, phone calls, Skype, etc. can be just as effective as mentoring a student in person. The basic objective of mentoring is to encourage and assist in the development and growth of a student.

What Is Involved in a Mentoring Relationship?

Each mentoring relationship will be different because of the student's development level, the student's needs, his or her career interests and a mentor's strengths and talents. A mentor can provide a wide variety of assistance to students including:

- Career advice and networking tips
- Introductions to new people, places, interests and ideas
- Encouragement in defining career goals and the development of a plan of action to reach those goals

How Can I Get Involved?

If you are interested in serving as a mentor and working with a current student, simply go to the SIUE Career Development Center website at www.siu.edu/careerdevelopmentcenter/ Click on 'mentor login' and the select 'click here to register'.

The SIUE Mentor Coordinator will contact you after you have completed your online registration.

For more information, please contact us at:



Career Development Center
0281 Student Success Center
618-650-3708
careerdevelopment@siue.edu
www.siu.edu/careerdevelopmentcenter



Engineering Education Center



"I selected Missouri S&T for
convenience, affordability,
and the quality of education."

*Mirna Palavric, EMgt*12*



Working professionals know the value of an education from Missouri University of Science and Technology's Engineering Education Center in St. Louis.

Education that Fits.

Promote your career and enhance your earning potential by taking classes at the EEC. Classes are taught in the evening and live-streamed over the Internet, providing the flexibility you need to earn your graduate degree or certificate while you work. Choose from more than 40 graduate certificate programs and 17 advanced degrees.

Distance Graduate Degrees include:

Aerospace Engineering (MS/PhD)
Business Administration (MBA)
Civil Engineering (MS)
Computer Engineering (MS)
Computer Science (MS)
Electrical Engineering (MS)
Engineering Management (MS)
Environmental Engineering (MS)
Explosives Engineering (MS/PhD*)

Geotechnics (ME)
Industrial/Organizational Psychology (MS)*
Information Science and Technology (MS)
Manufacturing Engineering (MS/ME)
Mechanical Engineering (MS/PhD)
Mining Engineering (ME)
Systems Engineering (MS/PhD)
Technical Communication (MS)

**Degrees pending approval.*



eec.mst.edu
eec@mst.edu | 314-835-9822



Missouri University of Science and Technology
A Premier Technological Research University | Founded 1870

To submit items to the newsletter...

Please try to get all announcements for placement in the newsletter to the Newsletter Editor by the 15th of the month prior to publication. Items may be sent via e-mail to Joe Sturgeon at wsturgeon@hntb.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 might 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/stlouis/index.html>. 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/stlouis/index.html](http://sections.asce.org/stlouis/index.html)

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 Engineers' Club of St. Louis
4359 Lindell Blvd. St. Louis, MO 63108**