Announcing the ASCE Holiday Social
Tuesday December 9, 2014

Members are cordially invited to our Holiday Social; we welcome you to kick off the holiday season with fellowship, food and spirits.

Location: Schafly Bottleworks
The Crown Room
7260 Southwest Ave. (at Manchester)
Maplewood, MO 63143
314.241.2337x2

Time: Appetizers from 6 pm to 9 pm

Cost: No Charge

Parking: Self parking - Free

RSVP: Reservations must be received no later than close of business Monday, November 24, 2014. Please RSVP to Chris Toenjes at 314-753-5875 or by email at ctoenjes@alberici.com
President’s Message

Shawnna Erter

I find it amazing that we are nearing the end of another year. As I watch my children grow, it seems like each year goes faster than the one before. Although the year is coming to an end, it is really just the start of my time in the role of President.

In the last month I have attended more webinars and conference calls from National than I can count. I always take something away from each and every one of those opportunities which just reinforces my appreciation of the National ASCE staff who constantly strive to get us more information and work on the issues that are important to each of our Sections and Branches. I also come away each time with a better direction of where we are headed and a profound appreciation for all our committee and board members who keep us moving in the right direction.

As I listen and take notes, many times I find myself just nodding because the issues they are discussing or the ideas they have to share, we are already doing and we get to be the ones helping to teach other sections some of our lessons learned which is a true gift. We have so many members who are truly passionate about different topics or ideas that they take the initiative and run with it and make it something great. It truly shows that one person can make a difference and it is a wonderful thing to watch as our section continues to evolve and change with the times. I encourage each of you to become active and find what you are passionate about. Each one of us can make a difference, and working together we can make a big difference.

A great opportunity is coming up to meet with fellow members and learn what they are passionate about and maybe find your niche. In lieu of a December Luncheon, the St. Louis Section will be hosting our Annual Holiday Social on Tuesday, December 9, at the Crown Room at Schlafly Bottleworks. As in the past, attendance is free, with the only charges being to those who RSVP and do not show. This is an event with no agenda other than to visit and enjoy the company of our guests. I encourage everyone who is able to attend, and look forward to seeing you at the Crown Room.

I will conclude my message reminding each of us to be thankful for all of our blessings this holiday season and I hope that each of you has a safe and blessed holiday season with your friends and family.

Sincerely,

Shawnna Erter, PE
ASCE Younger Member Group

December YMG Meeting:
Wednesday, December 17, 2014
The Post in Maplewood
7372 Manchester Road
St. Louis, MO 63143
http://thepostsportsbar.com/locations/maplewood/

- Talk events/Discover E
- Professionalism and Social Media – February
- Operation Food Search Volunteer
- Holiday Social 12/9 – Schlafly Bottleworks
- Holiday Cocktail Party – Reservations 11/26– Event at Sqwires 12/5
- Asphalt Conference 12/9-10
- Next Meeting 12/17/14.
- Let’s talk doing a Student event in March?
- Any Volunteers for House Captain this year?
- We need to talk CRYMC – Who’s going? Jan 30-31, Houston, TX

Volunteer Opportunities

The Section’s Diversity and Inclusion Committee is looking for volunteers to assist the International Institute of St. Louis with their “Skilled Immigrant Training for Engineers” program. Volunteers are asked to donate one hour of their time once a month starting in February to talk to foreign-born engineers new to our area about what it is like to be a civil engineer in St. Louis (education background, work history, professional associations, etc.). Classes will be held at the International Institute’s new facility at 3401 Arsenal Street in south St. Louis. If you are interested, please contact Steve Randolph at 314-335-8641 or srandolph@hornershifrin.com.

University News

University of Missouri S&T Student Chapter

Greetings from Missouri Science and Technology’s ASCE Chapter:

The Missouri S&T Chapter of the ASCE holds meetings every other Wednesday evening, and each meeting hosts a guest lecturer. Most recently, Cindy Moss and Justin Barton from Walter P. Moore gave a Recruitment Seminar and are planning to come back in the spring to expand upon the presentation and plan to have a much more involved relationship with the Missouri S&T campus. Adjunct Professor Dr. Robert Holmes gave a presentation on flood forensics and presented information about flooding from 2011 and 2013. Tony Johnson, Midwest region Manager of CRSI, discussed the use of rebar in reinforced concrete, and some of the newest technologies that are emerging and show great promise. We would like to thank all of our guest speakers for sharing their knowledge and providing insight into various facets of being a professional engineer.

Dr. Robert Holmes of Missouri S&T took a small group of students to an ASCE meeting in St. Louis on November 11th. The trip provided a look into the parent organization and how it operates. It was also a great chance for students to network with professionals in the field. Thank you to Dr. Holmes for providing these opportunities.

The semi-annual trash pick-up took place on October 27th, and we had a great turnout. Highway 63 from the Havener Center to Lowes located north of Rolla is now trash-free!

-Jeffrey Smith
(MST ASCE President)
Engineers’ Club of St. Louis and Associated Societies

Holiday Cocktail Party

Good Friends, Good Conversation, Good Time!

_Hors d’oeuvres, Drinks, Entertainment_

**Friday, December 5, 2014**

SQWIRES in Lafayette Square

1415 South 18th Street

7:00 – 10:00 PM

Reservations required no later than November 26, 2014.

$35.00 per person includes hors d’oeuvres and two drink tickets;

Additional drinks available at cash bar.

**Corporate Sponsors Wanted**

The Holiday Party Committee is seeking sponsors for entertainment.

Sponsors will be recognized in the December Newsletter and at the Holiday Party.

*If your company would like to be a sponsor, please call Kurt Krispin at 314-533-9333 or e-mail him at kurt.krispin@engineersclub.net.*

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Make checks payable to The Engineers’ Club of St. Louis

4359 Lindell Boulevard, St. Louis, MO 63108

$35.00 per person

Enclosed is my check for $__________ for tickets to The Engineers’ Club Holiday Party.

Name: ___________________________ Phone No. __________________________ E-mail __________________________
The 57th Annual Missouri S&T Asphalt Conference will be held on Tuesday and Wednesday, December 9-10, 2014 at the Missouri University of Science & Technology.


The conference should be of interest to contractors, public agencies, consulting engineers, testing labs, aggregate producers, asphalt binder suppliers, and equipment technical reps.

For conference program information contact Dr. Dave Richardson, Conference Director (573-341-4487; richardd@mst.edu) and for registration information contact Distance and Continuing Education, Room 216 Centennial Hall, Missouri S&T, Rolla, MO, 65409-1560, (573-341-6222; dce@mst.edu).

Mark your calendar!

The SIUE ASCE student chapter will be holding a 4-person golf scramble fundraiser on

**Saturday, April 18th at The Orchards golf course in Belleville at 1:00 pm**

More information on sign-ups and sponsorships, which are always welcome, will be available soon. For more information or if you have any questions feel free to contact Cory Koltveit at ckoltve@siue.edu.
SAVE On-Site Leader Training
Missouri Structural Assessment and Visual Evaluation (SAVE) Coalition

When: Saturday, February 7, 2015
9:00 AM – 4:00 PM

Where: St. Louis Science Center

The SAVE Coalition Board is pleased to announce a new On-Site Leader training class for current SAVE members interested in leading future SAVE deployments. The class content was developed from our experiences during the Joplin EF-5 Tornado deployment and the Branson EF-2 Tornado deployment. Previous SAVE deployment experience is not necessary to attend the On-Site Leader training class.

The class will include training on:

- SAVE enabling legislation
- National Incident Management System (NIMS)
- SAVE On-Site Leadership Organizational Chart
- SAVE On-Site Leader job titles and job descriptions
- SAVE Deployment Guide
- GPS data collection and reporting procedures (this training will take place outdoors)
- Table Top Exercise

6 Professional Development Hours will be awarded for completion of this class.

Class pre-requisite National Incident Management System/Incident Command System training:
(available free at [http://www.training.fema.gov/IS/NIMS.aspx](http://www.training.fema.gov/IS/NIMS.aspx))

- IS – 100.b Introduction to Incident Command System (3 hours)
- IS – 700.a National Incident Management System (NIMS), An Introduction (3 hours)
- IS – 800.b National Response Framework, An Introduction (3 hours)

To register for the course contact Steve Besemer, 573-526-9232, or e-mail to steve.besemer@sema.dps.mo.gov

SAVE Coalition sponsoring organizations include:
American Council of Engineering Companies/Missouri * American Institute of Architects/Missouri
American Society of Civil Engineers/St. Louis * Earthquake Engineering Research Institute/New Madrid
Missouri Association of Code Enforcement * Missouri Society of Professional Engineers
Society of American Military Engineers/St. Louis * Structural Engineers Association of Kansas & Missouri
Missouri Seismic Safety Commission
### ASCE 2014 Fall and Winter Continuing Education Schedule of Seminars

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<tr>
<th>Program</th>
<th>Full Dates</th>
<th>City/State</th>
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<tr>
<td>Seismic Analysis of Structures and Equipment — NEW</td>
<td>November 6—7, 2014</td>
<td>St. Louis, MO</td>
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<tr>
<td>Seismic Design of Highway Bridges</td>
<td>December 11—12, 2014</td>
<td>Denver, CO</td>
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<tr>
<td>Liability of Engineers: How to Stay out of Trouble</td>
<td>March 12—13, 2015</td>
<td>Denver, CO</td>
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<tr>
<td>Dam Breach Analysis Using HEC-RAS</td>
<td>March 25—27, 2015</td>
<td>St. Louis, MO</td>
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<tr>
<td>Structural-Condition Assessment of Existing Structures</td>
<td>March 26—27, 2015</td>
<td>Denver, CO</td>
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### MS&T—CE-331 Hydraulics of Open Channels

**Location:** To Be Determined  

**Date/Time:** Meets Wednesdays 6:00 PM – 8:45 PM, Spring Semester begins January 21 2015  

**Instructor:** Gary T Moore MS, P.E.

This course is intended to provide graduate students an opportunity to study the fundamental principles of the flow of water in open channels. The student will explore the phenomena of uniform and varied flow, critical flow conditions, backwater curves, hydraulic jump, and applications studied and applied in detail. Latter part of the course is designed to apply open channel hydraulic principals natural and man made channels with and without floodplains. Both hand calculations and computer methods will be utilized to compute water surface profiles for open channel designs or examples. The student, as part of the course, will be responsible for the open channel hydraulic design of a man made or natural channel or facility. In addition, it is anticipated that guest speakers may present/discuss floodplain management and regulations and open channel hydraulic analysis of floods similar to a case study presentation. This class will also involve one or two class periods in the field to determine manning’s roughness values for a natural channel and floodplain and other data gathering for use in the students HEC-RAS model for a selected creek in St Louis County.

On completion of the course, students should be able to understand and determine the open channel hydraulic phenomena and applying the hydraulic principals to the design of man made channels or analysis of existing channels and floodplains. The students should also be able to apply various evaluation techniques to solve hydraulic impacts of open channels and floodplains to facilities or adjacent land forms. Students will present their final design/analysis of an open channel system in a professional setting.

Computer applications will employ the use of modeling utilizing HEC-RAS for steady flow and unsteady flow water surface computations. The effects of various obstructions such as bridges, culverts, weirs, and other structures in the floodplain will be considered in the computations. Spreadsheet or hand computations will be performed for water surface profiles based on project or problem features. Prerequisite: Cv Eng 230 with a grade of “C” or better.

For further information regarding enrolling in this or any other graduate courses at the Engineering Education Center in St. Louis, visit Missouri S&T’s website at www.eec.mst.edu.

Call (314) 835-9822 or dbenenat@mst.edu for more information
Employment

KUHLMANN DESIGN GROUP, INC.

CIVIL PROJECT ENGINEER
Kuhlmann design Group, Inc. (www.kdginc.com) is a full service architecture, interiors, building engineering, and infrastructure engineering design firm offering clients unsurpassed quality and service.

KdG is seeking candidates for the position of Civil Project Engineer.

Candidate must be a licensed P.E. in Missouri, or able to become licensed, with four to ten years of experience in Civil/Site Development. A background in Sanitary/Storm Water design and familiarity with MSD design elements and standards preferred.

Candidates should possess a good working knowledge of CADD and Civil 3D Design Software, experience using MicroStation and GeoPAK a plus.

STRUCTURAL/BRIDGE ENGINEER/EIT
KdG is also seeking candidates for a Structural Engineer in our St. Louis, Missouri office with a strong technical background in building design. Candidates shall have a BS in Civil or Architectural Engineering with 4+ years of experience. A current PE license or the immediate ability to obtain is required.

Qualifications and responsibilities include but are not limited to:

- Development of design calculations and construction documents for structural building systems using steel, concrete, masonry, and timber.
- Proficiency in building structural analysis software, such as RISA-3D or RAM Structural System, is required.
- AutoCAD experience is required. Capability in Revit is preferred.
- Excellent communications skills and the ability to work with a project team that includes architects and MEP engineers.
- Experience in the design of commercial, retail, and industrial structures is a plus. Experience in bridge design is a plus.

Both positions offer a competitive benefit package.

For either position, please send cover letter, salary requirements, and resume to personnel@kdginc.com, as well as referencing the ASCE posting and position for which you are applying.

EEO Employer W/M/Vet/Disabled
SAINT LOUIS UNIVERSITY—ASSISTANT OR ASSOCIATE PROFESSOR, CIVIL ENGINEERING

Saint Louis University, a Catholic, Jesuit institution dedicated to student learning, research, health care, and service, is seeking applicants for a tenure-track or tenured faculty position in Civil Engineering at the Assistant or Associate Professor level commensurate with experience. The Civil Engineering Department is part of the Parks College of Engineering, Aviation and Technology. The faculty appointment will start in August 2015 or earlier.

Saint Louis University offers an innovative Civil Engineering program that is future focused – incorporating the latest trends in Civil Engineering to address the current and future needs of the profession and our society. Our graduates are well prepared to enter professional practice and will have the comprehensive skill set and leadership background required to address society’s needs on local, regional, and global scales. The Civil Engineering curriculum emphasizes professional practice preparation using modern, project-based, hands-on learning methods. The Civil Engineering program includes three primary focus areas: 1) Green design and sustainability engineering; 2) Infrastructure design, evaluation, and restoration; and 3) Transportation planning, analysis, and design. The Civil Engineering program is ABET accredited. The department is part of the Parks College, which offers MS and Ph.D. graduate degrees in Engineering. Please visit http://parks.slu.edu for more information about the department and college.

The department is seeking applicants with expertise and interest in the area of structural engineering. The successful candidate will be expected to effectively develop and instruct undergraduate lecture and laboratory courses in a hands-on, project-based curriculum; develop and instruct graduate courses; advise undergraduate and graduate students; participate fully in the collective responsibilities of the faculty, which include curriculum design and implementation, continuous improvement and assessment, and faculty governance; and conduct research or other scholarly activities appropriate to the departmental mission.

A Ph.D. in Civil Engineering or a closely related discipline is required. A BS degree in civil engineering is a must. Candidates must possess a record of, or evidence of potential for, effective and innovative instruction as well as research or other scholarly activities appropriate to the department mission and focus. Ability to work collaboratively with faculty in other engineering programs within Parks College and with broad groups across the University is expected. Ability to teach courses in other areas, such as engineering mechanics and CAD, is a plus. Industry experience is highly desirable and all faculty hires are strongly encouraged to become a registered P.E. in the State of Missouri. The appointment will be tenure-track or tenured at the level of Assistant or Associate Professor, commensurate with experience. Salary is dependent on qualification and experience.

Interested candidates must submit an application, cover letter, current curriculum vitae, and a list of at least four references to http://jobs.slu.edu. All other correspondence regarding this position should be directed to: Civil Engineering Faculty Search Committee, Department of Civil Engineering, Parks College of Engineering, Aviation and Technology, 3450 Lindell Boulevard, McDonnell Douglas Hall, Room 1033, Saint Louis, MO 63103. Review of Applications will begin December 15, 2014 and will continue until the position is filled.

Saint Louis University is an Affirmative Action, Equal Opportunity Employer and encourages nominations of and application from women and minorities.