November Luncheon
11:30 am to 1:00 pm, Tuesday, November 12, 2013
Runoff from and Thermal Effects of Green Roofs
Speakers: Serdar Celik, Bill Retzlaff, and Susan Morgan, P.E., M.ASCE

Topic
This presentation will focus on the effects green roofs have on the management of stormwater and the heating and cooling of buildings. The results are based on research conducted at Southern Illinois University Edwardsville (SIUE) through the Green Roof Environmental Evaluation Network (G.R.E.E.N.).

Bios
Dr. Serdar Celik is an Associate Professor in the Department of Mechanical Engineering at SIUE. After several years of industrial experience on environmentally-friendly cooling technologies, and completion of his PhD, he joined SIUE in 2007. His research areas include alternative cooling technologies, renewable energy, and green buildings. Celik has over 20 journal and conference papers and technical reports and has two patents on Stirling and magnetic refrigeration systems, for one of which he received an Industrial Invention Award in 2004. As a member of G.R.E.E.N., he focuses on the energy savings of green buildings and enhancement of green roof insulation properties. Dr. Susan Morgan is a Professor in the Department of Civil Engineering and the Associate Dean for Research in the Office of Research and Projects at SIUE. She joined SIUE in 1996. Her research currently focuses on stormwater management. In 2004 she and Dr. Bill Retzlaff co-founded the St. Louis metropolitan area research collaboration G.R.E.E.N. between SIUE and regional and local industry. Morgan has over 30 journal and conference papers and technical reports. She has served as PI or Co-I on grants worth approximately $1.2 million. Dr. Bill Retzlaff joined SIUE in August 1999 with a joint faculty appointment in the Department of Biological Sciences and the Environmental Sciences Program. Retzlaff is currently a Professor of Biological Sciences and serves as one of three Associate Deans in the College of Arts and Sciences. Retzlaff currently serves as the co-director of G.R.E.E.N. and is completing a 4-year term as the Chair of the Research Committee and a member of the Board of the international trade organization Green Roofs for Healthy Cities. Retzlaff, Morgan, and three of their former MS students have recently published a chapter based upon their green roof research in a McGraw-Hill book titled Green Roof Construction and Maintenance. Additionally, wind tunnel testing conducted at SIUE under the direction of Retzlaff, Morgan, and Celik has become part of the building code standard for wind uplift of green roofs in the International Building Code.

Time, Date, Location
11:30 am to 1:00 pm, November 12, 2013, Engineers Club of St. Louis, 11:30 Registration / 12:00 Lunch. Cost: $15/person, students $5, unemployed members $5 (checks payable to ASCE).

Call Kurt at the Engineers’ Club for reservations by noon the Friday before the event Kurt: 314-533-9333, or fax: 314-533-9336, or email: kurt.krispin@engineersclub.net.

ASCE is charged for all reserved lunches. If you’ve signed up and can’t make it, please cancel with Kurt by Friday before the meeting or we will have to charge you for the meal. 1/2 PDH is typically awarded to attendees.
Marc Bacchetti

President's Message

As an ASCE General Member only, having never been a student or younger member, I had never given a lot of thought to the other membership groups, namely the Student Members, Younger Members, and Life Members. These groups each have differing viewpoints, perspectives, and concerns. A better understanding of these groups helps forge a stronger society, and helps maintain involvement and enthusiasm. After some discussions and some personal observations, I will share these with you, and hopefully pique your interest in sharing your experiences with others beyond your present circle of peers.

Student Members are consumed with their studies, and student activities. Their concern for the economy in general, and their job prospects in particular, weigh heavily and their focus is on their entry into the work force. Exploration of different disciplines of engineering, various industries and employers, and establishing a resume that will help them stand out from the crowd keeps them active and involved. They are more likely than in the past to acquire their Master’s Degree, mostly due to the economy and the lack of jobs.

At a recent conference, discussions with Younger Members revealed some interesting aspects. From these people’s perspective, as Student Members transitioning into the Younger Member’s group, they have energy and drive that they no longer channel into concrete canoes, design projects, and research. As such, they focus efforts into programs such as Habitat for Humanity, Engineers Without Borders, Science Fairs, Sustainability issues, and a myriad of social events that the Younger Member group provides. Their professional focus begins with preparing for licensure examinations, and continues into project management.

As a General Member, my time and focus on the professional side has been spent on management of projects, people, and offices, business development, and finances. Professional License continuing education, networking, municipal board meetings, and other day to day operations weigh heavily and schedules become a driving force in our lives. In addition, the importance of family time and personal fulfillment means that our availability is even more limited. This reduces efforts for mentoring of students and Younger Members. I am sure that all General Members have similar experiences.

I had an enlightening conversation with a Life Member that brought to my attention the importance and unique perspective of these engineers. They have a wealth of information, and are very interested in sharing their experiences with other members. Whether as a mentor, or in roundtable discussions, they can provide invaluable advice, encouragement, and knowledge. Their understanding of management, finances, governmental processes, and project troubleshooting is a huge resource to the entire membership and community.

These have been my observations, and are not meant to be generalities, as each individual is different and have their own views and priorities. But at the same time, each generation trends towards ideas and thoughts that should be respected and understood. Every group has a wealth of knowledge and experience that can and should be shared with others.

Opportunities to share these experiences and ideas are a growing part of ASCE’s mission. Identifying venues, available times, topics, and the general management of events is a huge portion of the St. Louis Section’s efforts to provide member benefit. Your executive board, institutes, and committee members work day in and day out to provide all of us with these opportunities and I would like to personally thank all those that work behind the scenes that bring benefit to the civil engineering community, and provide service to the general public.

Sincerely,

Marc Bacchetti PE, SE
Younger Member Events

November YMG Meeting:
Tuesday November 19, 2013 6-8PM

Alpha Brewing Company
1409 Washington Ave. (Entrance on the North Side)
St. Louis, MO 63103
http://www.alphabrewingcompany.com/contactus/

RSVP to Britt Marron at marronbm@pbworld.com

Agenda Items:
We are going to talk about some mentorship and community involvement that I’m sending out information on soon. Keep an eye peeled on the emails. We are going to get more details about a potential Blues night, Trivia Night, and last but not least, the conference in January. Hope to see you there!
Networking

Younger Member Group Presents

The 4th Annual

trivia night!

@ The Kirkwood Community Center, West Gym
111 S. Geyer Road, Kirkwood, MO 63122

Saturday December 7th, 2013
7pm (Doors at 6:30pm)

$150/Table of 8
($25/person for incomplete tables)

Raffle Prizes
50/50

Gift Prizes
Games

BYOB
Complimentary Soda/Water

OPEN TO EVERYONE
(no engineering questions, we promise!)

Steven Resnick
RSVP or Questions to: 314-835-1224
steven@mcginnisstructural.com

The American Society of Civil Engineers (ASCE) Younger Members group fundraiser proceeds benefit the ASCE Younger Member St. Louis section, and provides the means to help grow our community. This year proceeds will also go to the Mid-Continental Regional Leadership Conference.
REGISTER TODAY!

GeoConfluence 2013
November 7, 2013
Geotechnical and Geo-Environmental Conference
St. Charles Convention Center
St. Charles, Missouri

The St. Louis Chapter of the Geo-Institute is joining with the University of Missouri-Columbia and the Missouri University of Science and Technology to host this year’s Geo-Institute Cross USA Lecturer for the third annual geotechnical engineering and geo-environmental conference. This annual conference will include technical topics and case histories focused on the geotechnical engineering and geo-environmental industry. This one-day (7:30 AM to 5:00 PM) conference is open to all and is scheduled for Thursday, November 7, 2013.

Attendees will earn 7 PDHs.

Tentative Speakers
1. Geo-Institute’s Cross-USA Lecturer
2. Jason Buenker – Landslide Stabilization Using Horizontal Directional Drains
3. Dr. Roy Borden – Design of Aggregate Piers
4. Navid Jafari – Detection and Movement of Landfill Fires
5. MS&T Student Presentation – TBD
6. UM Student Presentation – TBD
8. Dr. Tim Stark – Drilled Shaft Capacity in Shale
GeoConfluence 2013

Geotechnical and Geo-Environmental Conference
Thursday, November 7, 2013 • St. Charles Convention Center
St. Charles, Missouri

Registration Information

Please register online at http://www.eventbee.com/v/geoconfluence/boxoffice or follow the instructions on the registration form by mailing the completed form with full check payment to Greg Hempen at the address listed.

Please email a copy of your completed registration form to Greg.Hempen@URS.com

Contact Information

Registration: Greg Hempen, PE
56 Montague Court
St. Louis, MO 63123
(314) 743-4136
Greg.Hempen@URS.com

Exhibitors:
Lyle Simonton, PE
101 Angelica Street St.
Louis, MO 63147 (314)
421-2460 ext. 101
lsimonton@subsurfaceconstructors.com

Hotel Information

A room block at Embassy Suites is available for early reservations. Contact Greg Hempen before 11 OCT 2013 for hotel information.

Embassy Suites
2 Convention Center Plaza
St. Charles, MO 63303
Phone: (636) 946-5577
GeoConfluence 2013 Registration Form

Geotechnical & Geo-Environmental Conference
Thursday, November 7, 2013; St. Charles Conference Center, St. Charles, MO

1. Please complete the registration form below. Enter the names of individuals being registered (add rows if necessary). Exhibitors and Sponsors may wish to contact Lyle Simonton, 314-421-2460, x101, lsimonton@subsurfaceconstructors.com, for benefits of their registration. Please register by Wednesday, October 21, 2013. Registration after November 2 by mail (after Nov. 4 by online registration with credit card) and walk-ins are welcome, but may receive fewer benefits as their attendance cannot be planned. Refunds will be provided only if requested by W, October 23, 2013. Any refund will be subjected to a 15% cancellation fee.

Contact information:
Name: ____________________________________________ Firm: ______________________________
Phone: ____________________________________________ Email address: __________________________

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2. Email the completed form with the subject line “GeoConfluence 2013 Registration” to Greg.Hempen@URS.com on the same day that you mail your check.

3. Please make a copy of the completed form and mail it with the check to the payee of “ASCE – St. Louis Section” for the total registration cost to the following address:

GeoConfluence 2013 Registration c/o
Greg Hempen
56 Montague Court
St. Louis, MO 63123-3459
Professional Development

Engineers’ Club of St. Louis

PRESENTS:

CONSTRUCTION SITE SAFETY

Trench accidents, falls and a careless attitude can lead to unfortunate construction site realities. Thankfully many of these issues can be prevented by establishing a sound Health Safety and Environmental (HSE) culture and careful attention with pre-planning work tasks. Join the Engineers’ Club for an informative seminar which will cover some of the HSE requirements to be implemented during construction of a Project. The objective of the Seminar is to provide information in the development of an effective and efficient safety culture; to address trench/excavation safety; to discuss fall protection; and to improve temporary traffic control plan safety. This information will aid in the prevention accidents, mitigate risks and help the attendee to further understand occupational health and safety requirements. This seminar will be of use to owners, designers and construction staff.

PRESENTER:
MR. STEVEN J. WEHRSPANN, CSP, CH2M HILL

Steven J. Wehrspann has over seventeen years of experience in construction, utilities, facilities, and research operations and is a Certified Safety Professional through the Board of Certified Safety Professionals. He is currently a Regional Health, Safety and Environmental Manager for CH2M HILL, where he develops project-specific HSE programs and procedures for design, program management, construction management as well as multimillion-dollar design-build construction projects. He provides guidance to design staff for including safety elements into design for constructability and end user safety and well as project management regarding program implementation to reduce risk and limit liability. He also conducts HSE audits and provides leadership for corrective actions.

At:
The Engineering Center
4359 Lindell Blvd. – St. Louis Missouri, MO 63108
Friday, November 1, 2013
Registration 7:00 AM to 8:00 AM
Program 8:00 AM to Noon
Continental Breakfast and Lunch Included

Cost:
$50 per person for Engineer Club and ASCE Members
$75 for non-members
Pay by cash or check at door, make checks payable to “The Engineering Foundation of St. Louis”
Please RSVP with:
Kurt Krispin at kurt.krispin@engineersclub.net Or call 314.533.9333
Reservations limited to 100 people, no shows will be charged

A limited number of sponsorship and display opportunities are available at a cost of $100
Those interested in sponsorship please contact
Michael Buechter mtbuec@stlmsd.com
Or call 314.768.2772

4 PDH’s to be provided
2013 EROSION & SEDIMENT CONTROL

FIELD DAY NOVEMBER 8 - SIU EDWARDSVILLE - 8:30 A.M.

Join us for the 9th annual FREE Erosion & Sediment Control workshop - featuring the Relocation of Cahokia Creek at the Roxana Landfill.

Morning sessions will be held in the Meridian Ballroom on the SIUE Campus (designated parking will be available on campus) and after lunch, attendees will be bused to the landfill for a guided tour.

8:30 AM Registration & Coffee
9:00 AM Welcome Rick Macho, Madison County Soil and Water Conservation District & Margaret Fertaly, Illinois EPA
9:15 AM Madison County Stormwater Plan Matt Brandmeyer, AICP, Planning & Development Administrator, Madison County
9:30 AM Solid Waste Management Facilities (General Overview) & Stormwater and Sediment Management at Landfills Aaron Karlas, VP, Feezor Engineering & Randy Tourville, General Manager, Roxana Landfill
10:30 AM Break
10:45 AM Cahokia Creek Relocation at the Roxana Landfill Wayne Kinney, Midwest Streams
11:45 AM Lunch (included)
12:30 - 3 PM Tours of the Landfill and Cahokia Creek Relocation

The workshop is sponsored in part by the US Environmental Protection Agency under Section 319 of the Clean Water Act distributed through the Illinois Environmental Protection Agency, along with the Jersey, Madison, Monroe, and St. Clair County Soil and Water Conservation Districts. Additional support provided by Republic Services and the Madison County Planning & Development Department.

Please make your reservations online at http://www.ce.siue.edu/special/ESC/. If you are unable to register online please contact Brent Vaughn at (618) 650-3533.
56th ANNUAL MISSOURI S&T ASPHALT CONFERENCE
MISSOURI UNIVERSITY OF SCIENCE & TECHNOLOGY
December 3-4, 2013

The 56th Annual Missouri S&T Asphalt Conference will be held on Tuesday and Wednesday, December 3-4, 2013 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, 300 West 12th Street, Missouri S&T, Rolla, MO, 65409-1560, (573-341-6222; dce@mst.edu).

Case Studies in Structural Engineering

We would like to introduce you to Case Studies in Structural Engineering, a new Open Access publication that provides a unique forum for sharing knowledge gained on real world projects, solutions to real world problems, and research outputs that are practically-oriented. This journal seeks to build a vital link between structural engineering practitioners and researchers, a platform for presenting and exchanging design ideas, identifying technical challenges, and showcasing engineered solutions.

Short, structured case studies and related short communications will be published covering the full range of structural material, behavior, analysis and design issues relating to the full spectrum of structural types, e.g. buildings, bridges, towers, dams, etc.

I invite you, my fellow practicing engineers and academic/research colleagues, to submit your papers for speedy review and publication in this exciting new journal! Whether they be about tall or long-span structures, seismic or wind engineering, innovative and/or environmentally responsive structures, long or short span bridges, towers or silos, code applications or performance-based design, we want to have your contributions and learn from them!

Kourosh Kayvani, Editor-in-Chief, Global Building Structures Leader & Head of Innovation at Aurecon/ Honorary Professor, University of Sydney, Australia

Please do visit the website here http://www.journals.elsevier.com/case-studies-in-structural-engineering, or contact Joe d’Angelo (j.dangelo@elsevier.com), the Publisher for the Civil Engineering journal at Elsevier for more information.
Employment

Traffic Engineer

Kuhlmann design Group, Inc. (www.kdginc.com) is seeking candidates for the position of Civil Traffic Engineer. Candidate must be a licensed P.E. in Missouri, or able to become licensed, as well as a licensed P.T.O.E. with four to ten years experience in Traffic and Transportation. Familiarity with site and transportation design elements and standards preferred. Candidates should possess a good working knowledge of HCS (Highway Capacity Software), Synchro, CADD, Civil 3D Design Software, experience using MicroStation and GeoPAK a plus.

Competitive benefit package.

Please send resumes and cover letter to personnel@kdginc.com, reference the ASCE posting, as well as the position for which you are applying.

EOE – D/M/F/V

Civil Engineer Position at EDM Incorporated

EDM Incorporated, a full-service engineering design firm, with a generous benefits package, seeks a CIVIL ENGINEER in its St. Louis office. Individual must be experienced in Site Design, MSD, MoDOT and St. Louis County design criteria. Proficiency with Civil 3D and/or Microstation/Geopak, as well as BSCE and minimum 3 years’ experience, is required. Professional Registration is a plus. Please send resume to civileng@edm-inc.com.

PhD Fellowships at MS&T

The Civil, Architectural and Environmental Engineering (CArE) department at the Missouri University of Science and Technology is pleased to announce a competition for two PhD fellowships. We welcome applicants interested in any of the department’s areas of research expertise in aerospace, architectural, environmental, geotechnical, hydrological, materials and structural engineering. Examples of recent and current projects include sustainable and adaptable infrastructure, stream hydrology, novel structural materials, advanced biogeochemistry, indoor air pollution chemistry and controls, and remediation and sensing in the environment.

Please see our website for more information on the graduate program and research projects: care.mst.edu. Fellowships include a full tuition scholarship and stipend. Applicants will be evaluated based on scholarship, experience and potential, and how well their interests and expertise fit with an existing research program and professor. To qualify for support, you must be accepted into the Graduate Program. Outstanding students completing, or having completed a Master’s degrees in civil, architectural, environmental engineering or other appropriate area of engineering and science are encouraged to apply. Exceptional Bachelor’s degree applicants will also be considered. Please submit application, resume and two letters of reference by November 15, 2013. For more information and a copy of the graduate application visit: http://care.mst.edu/civilengineering/graduate. All questions may be directed to Dr. Glenn Morrison, gcm@mst.edu.
The Engineers’ Club of St. Louis (ECSTL) is in the midst of an exciting $3M campaign to transform its dated facility into a vital resource for the community. As an ECSTL Affiliate, be assured that the updated facilities will attract more people to your events. The building will be outfitted with the technology needed for presentations, and will have workspaces and conference rooms to accommodate individuals and smaller groups. On nice days, an inviting patio will promote informal networking. The welcoming new lobby and meeting spaces will be beautiful and functional.  (View the conceptual renderings).

The space will be more conducive to supporting the Engineers’ Club focus on nurturing the next generation of engineers and other technical professionals. U.S. students are falling far behind their international peers in science, technology, engineering and math achievement. Businesses are scrambling to find qualified workers, and many worry that they U.S. will not be competitive in the world market.

The Engineers’ Club and its Affiliate Societies will play an increasingly critical role in raising awareness of and excitement about engineering and related technical fields.

The Campaign to bring this to fruition is well underway! Almost $450,000 has come in the door in the first eight months of the year. Help us keep the momentum going! As people who use the Club on a regular basis, your contributions will send a strong signal to the broader community about the importance of this facility to the St. Louis area, and will help us to leverage additional donations.

To date, 168 Engineers’ Club members and 49 firms have pledged or given gifts to the Campaign. Their average gift is just over $2000. We understand that not everyone can make that size of a donation, and want you to know that a gift of any size will be greatly appreciated.

We have made giving easy! Please go to the www.engineersclub.net website today and make a secure online donation, or download and fill out the form to make a generous donation by check. (click here to print). You can send it by mail (address is on form) to Kurt at the Club, or call our Campaign Consultant Matt Lieberman (314/650-9692) to arrange for your check to be picked up at your office.

If you can’t pay now, we value your pledge. You can go online and make a generous online pledge or mail in your printed pledge of support to the club today. There is also a flexible installment plan. You can pledge now and pay later. Some individuals have chosen to donate stock, which you can learn more about by clicking here. You can also review the sponsorship tiers we have established to recognize donor support.

This Campaign will create a wonderful meeting facility that we can enjoy right now, but that same facility will help us to build a legacy of continuing technical excellence in the St. Louis area. Thank you for your support.

Sincerely yours,

Lisa Douglas, P.E.
President – Engineers’ Club of St. Louis

P.S. Join us for the next Vision2015 event, which will be held at the Cheshire Inn on October 30. Network and make new connections with people in your industry in a comfortable and casual setting. Enjoy the Oktoberfest atmosphere and raise a glass of beer with us! E-mail Matt Lieberman at Matt@ralsig.com for more information about the event or sign up here to receive periodic updates about the Campaign.

Contributions to the Engineering Foundation of St. Louis, which is a 501(c)(3), are tax deductible
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

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).