

In This Issue

President’s Message 2
 FEMA 154 Training 3
 ASCE STL Section
 Business 4
 ASCE Society Election 5
 ASCE Younger Members. 6
 EWRI St. Louis 7
 ASCE Networking Events 8
 Networking Events 14
 2016 St. Louis Summer
 Transportation Institute 19
 Employment
 Opportunities 20

Upcoming ASCE Events

- April 12
 Monthly Luncheon
- April 12
 ASCE Younger Members Meeting
- April 13
 Meet A Professional Luncheon
- April 15
 SIUE/ASCE Golf Outing
- April 28
 Geo-Institute Case History Seminar
- March 31
 EWRI Spring Seminar – “Water, Water, Everywhere”



April Luncheon
11:30 am to 1:00 pm, Tuesday April 12, 2016

Missouri School Seismic Safety Readiness

Speaker: Mike Griffin, P.E.

Topic

The Missouri Seismic Safety Commission is conducting a multi-year pilot project to evaluate the vulnerability of school districts in eastern and southeastern Missouri from earthquakes occurring in the New Madrid Seismic Zone. This region has produced some of the largest earthquakes recorded in the United States and has significant variability in building stock and code enforcement. Investigations of facilities at several school districts have been completed by volunteer teams of engineers from ASCE and EERI. The program structure, preliminary results, and the path forward for improved seismic safety in Missouri schools will be discussed.

Bio

Mr. Griffin is a Principal and partner in CCS Group, Inc. in Chesterfield, Missouri and has over thirty years of experience in the assessment of natural hazards – earthquake and high wind, for structures and nonstructural systems. He is considered an industry expert and has worked in the Midwest, west coast and Caribbean performing earthquake risk assessments and subsequent structural strengthening designs to mitigate the risk to buildings and nonstructural equipment and systems. He is also a Board Member and one of the principal trainers for the SAVE Coalition for the post-earthquake and high wind damage assessment program in the State of Missouri.

Details/Reservations

Reservations can be made at the following link to the right:
 Cost: \$15/person, students \$5, members in transition \$5.

Contact the Engineers’ Club for reservations by noon the Friday before the event. Email: info@engineersclub.net

<http://goo.gl/OBJmBb>



ASCE is charged for all reserved lunches. If you’ve signed up and can’t make it, please cancel by the Friday before the meeting or we will have to charge you for the meal. 1 PDH is typically awarded to attendees. Registration starts at 11:30, lunch at 11:45, and the program begins promptly at 12:00.

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President's Message

Michael Buechter

I wanted to take this opportunity to share a wonderful book I just finished titled *With Schwarzkopf, Life Lessons of The Bear*, by a Mr. Gus Lee. Mr. Lee chronicles his long term mentoring relationship with General Schwarzkopf, "The Bear" which began when Mr. Lee was a West Point cadet trying to pass Solid Mechanics. The image of The Bear, who routinely benched 300 pounds at that time, driving life lessons into Mr. Lee while he tried to solve truss problems, cutting sections, and counting unknowns, was inspiring and yet somehow as a Civil Engineer and military school alumni familiar.

Mr. Lee, also author of the best seller *China Boy*, had a dysfunctional family life but with the mentoring of The Bear and many others was able to move beyond mere circumstance. His book is a tribute not only to The Bear but a lesson in mentorship. Not to spoil the text, but one of The Bear's lessons was his First Leadership Law, Do the Harder Right Whatever it Costs. Mr. Lee explains how he applies this law, not just in times of challenge, but everyday to make himself a better person.

By now we are all familiar with the Flint Michigan water story: How attempts to obtain a cheaper water source ended with lead pollution, and how an apparent series of poor judgments led to the resignation of Michigan Department of Environmental Quality officials and the U.S. EPA Region 5 Administrator. While it is always easy to judge others in these sorts of circumstances, and hope we would have done it differently, I usually find myself with as many questions as answers in reviewing these things. However, it seems certain in this case everyone would have benefited from The Bear's First Leadership Law, Do the Harder Right Whatever it Costs.

In reviewing the Flint case I ran across a quote from Flint's Mayor, "This is, No. 1, a public health issue, and No 2, an infrastructure issue." While Engineers can appreciate the Mayor was trying to make a point we also appreciate that public health and infrastructure really are not separate issues but often one and the same. Poor decisions regarding infrastructure can have adverse impacts on public health; that as stewards of the public, and their dollars, we need to do the harder right.

Recently I took a co-worker, soon to retire, to lunch to celebrate his upcoming life change. He has really been more than a co-worker and I figured I could at least foot a lunch bill. Hopefully we all have friends and mentors like that. So again I suggest at least leafing through Mr. Lee's book, *With Schwarzkopf, Life Lessons of The Bear*. I believe you will find some lessons you may apply not just at work, but at home. If you have readings you wish to suggest or wish to become more active in ASCE please call or email me, Michael T. Buechter at 314-768-2772 or mtbuec@stlmsd.com.

Essayons!

Michael T. Buechter, PE



FEMA



YOUR EXPERTISE IS NEEDED TO HELP MAKE MISSOURI SCHOOLS SAFER!

The New Madrid Seismic Zone, the most active earthquake zone east of the Rocky Mountains, is centered in southeast Missouri. This seismic zone produces nearly 200 earthquakes per year, with a 40% probability of a M6.0 or greater within a 50 year window of time. If a big earthquake occurs, many older buildings, including schools, will be hard hit.

With this in mind, the Missouri Seismic Safety Commission is leading a program to improve earthquake safety and readiness in Missouri schools. The commission works with structural engineers, architects and construction professionals to conduct FEMA P-154 "Rapid Visual Screening of Buildings for Potential Seismic Hazards" in school buildings. These screenings are completely free of charge, with results provided confidentially to participating schools.

We're looking for qualified professionals to assess schools. There is no charge for this one-day training, and professional development hours will be provided by participating organizations. Several school districts will be scheduled for reviews, and your travel expenses will be reimbursed. All we need is a little of your valuable expertise to help make schools safer. A commitment of 1-2 days is requested.

CLASS INFORMATION

Time: 9 a.m. – 3 p.m.
Date: Wednesday, April 13, 2016
Location: The Timbres of Eureka
1 Coffey Park Lane
Eureka, Mo.

REGISTRATION:

Register for the training at training.dps.mo.gov.

If you have questions, please contact Jeff Briggs, earthquake program manager for the Missouri State Emergency Management Agency, at 573-526-9232 or jeff.briggs@sema.dps.mo.gov.



This training is supported by NEHRP National Earthquake Technical Assistance Program (NETAP). For more information visit: http://www.fema.gov/plan/prevent/earthquake/training_netap.shtml

ASCE STL Section Business

Committee Chair 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.” The respective director will provide support, including society guidelines, resources, and past-chair contact information.

ASCE St. Louis Section Department of Technical Development Openings.

Construction Committee – The goal of the Construction Committee is to provide opportunities for members to enhance their technical skills, become informed about products and methods in the construction industry, and to network with others having like interests. This is a great opportunity to market ASCE to CEs who work in the construction industry.

Please contact Jordan Pettibone (jepettibone.asce@gmail.com) to further discuss the details

ASCE St. Louis Section Department of Administration Openings.

Annual Dinner Committee – The Committee will be responsible for arranging the Annual Dinner held in mid-September on a Friday or Saturday evening. Responsibilities also include coordinating all arrangements for the event including submitting a budget, identifying event venue and menu options, arranging for contracting with and payment to vendors, arranging the event program, and other related activities.

Membership Champion - The Membership Champion 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 discuss the details of our Administrative committees.

ASCE St. Louis Section Department of Professional Development Openings.

Career Guidance Committee – The Committee will be responsible for outreach and information to elementary, middle school, and high school students regarding civil engineering. This information includes what how to become a civil engineer, and how civil engineers improve the quality of life for all citizens. Activities include classroom presentations, participation at career fairs, Engineers’ Week Science Center Display, and other STEM-outreach activities.

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.

Younger Members Committee – The Committee provides opportunities for associate members (under the age of 35) of the Section to actively participate in the Section and express their views. Activities include hosting the May membership

meeting, holding a Trivia Night or other annual fundraiser, participating in the Engineers' Week event at the Science Center, updating Section Traveling Display Board, organizing social events for younger members, among other activities.

Program Committee – The Committee selects program topics of interest and arranges guest speakers for the Monthly Membership Meetings, providing opportunities for PDHs to be awarded to attendees. The Committee is also responsible for all aspects of hosting the annual Holiday Social, including arranging the venue, menu, price, and event advertisement.

Please contact Alison Graves (alison.graves@jacobs.com) to discuss the details of operating one of our Professional Development committees.

Director of St. Louis ASCE Section Nomination

Mr. Christopher A. Toenjes, P.E. has been nominated for the position of Director for the St. Louis Section of ASCE beginning in October 2016.

ASCE Society Election

ELIGIBLE VOTERS: Members at the grade of Associate, Member, Fellow or Dist.M.ASCE who are current on their membership dues as of March 15th are eligible to participate in the election. Institute only members are not eligible to vote. If a member pays dues or upgrades their membership after the March 15th deadline, they may not participate in this year's election. All transactions must be completed by close of business on March 15th.

EMAIL ADDRESS: Members should be sure they have a valid email address on file by March 15th in order to receive their voting credentials electronically.

VOTER CREDENTIALS: Election credentials will be sent to eligible voters by email on May 1, 2016. Often times the email message will go to the member's spam folder, so please set filters to allow ASCE email.

For members who do not have an email address, they will receive a letter from the election vendor with their voting credentials and instructions how to access the electronic ballot. Members who have not received voting credentials by May 2nd may contact ASCE Customer Service at 800/548-2723.

Eligible members who prefer a paper ballot should indicate such by May 1st.

ELECTION DATES: The election will open at 12:59am Central time on May 1, 2016 and remain open until 5:00pm Central time on June 1, 2016.

ELECTION RESULTS: The election results will be released the afternoon of June 3, 2016.

ASCE Younger Members

April YMG Meeting:

Tuesday, April 12, 2016

Flannery's Irish Pub

1324 Washington Ave. 63103

6 pm to 8pm

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

The year is starting to winding down, but we still have quite a few events left!

We need Volunteers for the *Meet a Professional Day and Rebuilding Together.*

Meet a Professional Day

Wednesday, April 13th 11:30 to 1:00 pm for our mentoring event. If you are interested in volunteering to talk to college students about your day to day or give career guidance, please let me or Alison Graves (Alison.Graves@Jacobs.com). We expect this to be a significant event, so we'll need a body or two. SLU has graciously allowed us to use their facilities.

Rebuilding Together St. Louis

Saturday, April 30th. We start at 8 am, but if you can only give a few hours at any part of the day, I'll get you set up with something to do. Lunch and T-Shirts are provided. We are working for a veteran this year. This years' tasks include:

- Taking down a tree
- Grubbing yard work
- Drylocking a basement
- Door installations
- Insulating windows
- Removing concrete curbing

I need people with tree removal experience, yard tillers, concrete saws, chain saws etc. Please RSVP to me marronbm@pbworld.com if you are interested in coming out this year.

America's Central Port

We have a tour schedules for May 20th at 3 pm. PDH's available, more details to follow.

Float Trip with Kansas City Section

June 3-5 at Shady Beach Campgrounds in Noel, MO. (www.shadybeach.com). The cost is \$20 to camp and \$20 to raft. If you just want to raft for one day, we can make that happen as well. If you are interested and I'll get you registered.

Summer Picnic

Paul Hayhurst and his wife have been awesome human beings and volunteered their house for this year's summer picnic. It's pot luck, so start thinking of what delicious dish you want to serve. We've also probably going to have a bags tournament if everyone is feeling that. Should be a good time. This will be late June/early July.



EWRI St. Louis News

EWRI St. Louis Monthly Speaker Series Event

The St. Louis Section of EWRI is pleased to announce our eighth webinar **jointly sponsored by Missouri University of Science and Technology on Thursday, April 21, 2016 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 end of business on Tuesday, April 19, 2016.**

Please register online in advance at the following link: <http://goo.gl/forms/A0aWGRQde8>

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

EWRI April Speaker Series Topic:

“Water Resources Sustainability, Traditional Knowledge, and the Developing World”

The realities water resources sustainability during the present and future along with the past are explored. Examples of unsustainable practices are presented in order to further the concept of water resources sustainability. With a definition of water resources sustainability, the ancients and how they coped with water are reviewed with an emphasis on the technologies and water management. Ancient water technologies ranging from the ancient Minoans during the Bronze Age, the ancient Greeks and the Romans, the Nabataeans, the Incas, and ancient Angkor are explored along with the lessons and legacies learned that relate to water resources sustainability. The relation of water resources management to other forces such as climate change and demographics to the collapse (or failure) of some of the ancient societies are presented. Does traditional knowledge have a place in solving present and future water resources sustainability issues, particularly in developing parts of the world? What could be the combination of traditional knowledge and modern engineering practices will be required for pro-poor water management policies in the future? Poor water management hurts the poor the most.

Speaker: Larry Mays, Arizona State University. Dr. Larry Mays holds a BSCE and MSCE from Missouri S&T and after serving in the military, earned a PhD from the University of Illinois. For thirteen years he rose from Assistant Professor to Professor and Director at the Center for Research in Water Resources at the University of Texas at Austin. He later joined Arizona State University, where for the past twenty-seven years has been a Professor, including time as the Department Chair. Larry’s research has focused on the optimal design and operation of water infrastructure systems and is a prolific authors with 24 books to his credit, 115 refereed journal articles, another 100 proceedings papers, over 70 chapters in books for which he was the editor-in-chief, all the while supervising 34 PhD students to completion. He has done volunteer work or been a consultant to the UN, the World Bank, to the Texas Attorney General’s Office, AWWA, the U.S. Army Corps of Engineers, and others. He is a Fellow Member of ASCE, the International Water Resources Association, and the International Water Association. In addition he has won several national and international awards in engineering including the ASCE Julian Hinds Award, the Prince Sultan bin Abdulaziz International Prize for Water – Surface Water Prize, the Warren Hall Medal from UCOWR.

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

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



ASCE St. Louis Younger Member
Group Presents:

MEET A PROFESSIONAL

LUNCHEON

Wednesday, April 13th, 11:30 am—1:00 pm
at Il Monastero at Saint Louis University

3050 Olive Street, St. Louis MO 63103

ASCE Student Members:

- Are you going to be looking for a job after graduation?
- Would you like to talk to a professional civil engineer about what they do for a living?

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.

RSVP by **Wed. April 6th** to Alison.Graves@jacobs.com. Include your name and area of emphasis (i.e. Structural, Geotech, Environmental, etc.)

Lunch sponsored by the ASCE St. Louis Section YMG
and grants from ASCE Region 7 and the ASCE Foundation

We are seeking Professional Civil Engineers for this luncheon as well. Email Alison.graves@jacobs.com if you are available to participate.



SIUE ASCE Golf Outing

FRIDAY, APRIL 15TH

THE ORCHARDS GOLF CLUB, BELLEVILLE, ILL

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 4/13/2016. 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



St. Louis Chapter of the Geo-Institute of ASCE
Presents

Case Histories Seminar with Dr. Jean-Louis Briaud and Student Projects

DATE AND TIME: April 28, 2016 5:00 PM to 8:30PM
5:00 pm Registration and social hour with cash bar
5:30 pm Buffet dinner
6:00 pm Student posters presented
6:30 pm Program begins
8:30 pm Closure

LOCATION: Engineers Club, 4359 Lindell Blvd. St. Louis, MO 63108

COST: \$40.00 ASCE Members; \$50.00 Non-ASCE Members; \$20.00 Full Time Students. Advanced payment is appreciated. Credit card payments and registrations with check or cash payment can be made at the link below.

Full meal will be provided and two and a half (2.5) PDHs will be awarded.

ASCE is charged for all reserved meals. If you've signed up and can't make it, please cancel by 04/22/2016 or we will have to charge you for the meal.

RSVP: Please RSVP by 04/22/2016 at:

<http://events.constantcontact.com/register/event?llr=yonzmehab&oeidk=a07ec2xbozs0aaea35a>

or

Dennis Boll, dboll@geotechnology.com

PROGRAM: Dr. Jean-Louis Briaud, the Geo-Institute's Cross USA Lecturer for 2015-2016, will provide the lecture, "Behavior of Two Mats under Heavy Load – Washington Monument and San Jacinto Monument." The lecture investigates the geotechnical behavior of two large mat foundations over several decades of time. The first case history is the foundation of the Washington Monument in Washington DC completed in 1885 and the second case history is the foundation of the San Jacinto Monument in Houston, Texas completed in 1936. Both mats are about 38 m by 38 m and settlement records are available. Calculations performed with respect to depth of influence, stress increase with depth, consolidation settlement, and ultimate bearing capacity are presented. Additional considerations include the influence of soil heterogeneity and underpinning. Lessons learned from the behavior of these two mats are drawn and recommendations are made for the geotechnical aspect of mat foundations.

Dr. Jean-Louis Briaud is a professor and holder of the Spencer J. Buchanan Chair in the Zachry Department of Civil Engineering at Texas A&M University.



LANDSCAPE PROSPERITY: THE ART OF CREATING DYNAMIC LANDSCAPES

A LUNCHEON CO-HOSTED BY DR. PETER WYSE JACKSON, PRESIDENT, MISSOURI BOTANICAL GARDEN AND RICK HOLTON, CHAIRMAN, DEER CREEK WATERSHED ALLIANCE

James Sotillo and Jeff Lowenfels come together in St. Louis from opposite ends of the country to discuss the dynamic relationships between soil health, water quality, and vibrant landscapes.

James Sotillo, Founder and President of Ecological Landscape Management, is recognized as one of the leading Soil Life Consultants and Arborists in the industry. James has forged his notability through his powerful lectures, innovative research and technology advances, and his passionate approaches towards projects of varied scales. He will discuss the art of creating dynamic landscapes that are ecologically balanced, aesthetically beautiful and energy balanced with a focus on making connections between how below ground and above ground food webs impact each other. Projects that will be highlighted include Brooklyn Bridge Park Pier One, MoMA Sculpture Garden, Maggi Daly Park, and the St. Louis Gateway Arch Grounds project.



Jeff Lowenfels is the longest running garden columnist in North America, a noted author, and a highly entertaining horticultural speaker. His book *Teaming With Microbes: The Organic Gardener's Guide to the Soil Food Web*, was reviewed as "the most important new gardening book in 25 years and maybe even ever." Jeff is a national leader in the sustainable gardening movement, past president of the Garden Writers of America, and was inducted into the GWA Hall of Fame in 2005, the highest honor a North American garden writer can achieve. Jeff will explain how maximizing soil health improves both plant health and water quality. His promise: No one goes away from a Lowenfels talk disappointed or unchanged. Guaranteed!



This event is funded in part by the Holton family and US EPA Region 7 through the Missouri Department of Natural Resources (subgrant number G14-NPS-04), under Section 319 of the Clean Water Act.

WHEN

Wednesday, May 11, 2016
11:30 a.m. to 1:30 p.m.

WHERE

Deer Creek Club
9861 Deer Creek Hill
St. Louis, MO 63124
Map and directions at:
tiny.cc/deer-creek-club

REGISTRATION

\$30 registration, luncheon included. One (1) Professional Development Hour (PDH) available. Advanced registration is required. Register by Tuesday May 3 at:
deercreekalliance.org/luncheon



ADVANCE REGISTRATION FOR THIS EVENT IS REQUIRED | REGISTER BY MAY 3

Friday, May 20th, 2016, 3:00pm – 5:00 pm

TOUR OF AMERICA'S CENTRAL PORT



At 3:00pm meet at 1635 First Street, Granite City, IL 62040 for a tour of America's Central Port.
One PDF is available for attendees.

Bring hard hat, safety glasses and closed toed shoes.

To attend, please contact Joe Sturgeon at wsturgeon@hntb.com (314-242-2237)
by May 13. Maximum attendees: 30



GEO-
INSTITUTE

GEO CONFLUENCE

GEOTECHNICAL & GEO-ENVIRONMENTAL CONFERENCE

Call for Abstracts!

November 4, 2016

St. Louis, Missouri

(Venue Pending)

The St. Louis Chapter of the Geo-Institute is now accepting abstracts for the sixth 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 4, 2016. The conference planning committee is seeking 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 25, 2016. 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 12, 2016. The submitted abstracts and presentation slides will be assembled and included in the conference publication.



American Public Works Association
8th Annual Ken Yost Memorial Golf Tournament
(4 Person Scramble)

Monday, May 9, 2016
Paradise Valley Golf Course
1055 Lochmoor Drive, St. Louis, MO 63049
11:00 AM Registration and Lunch; 12:00 PM Shotgun Start

COST - \$400 per team on or before April 15th, \$440 after April 15th

Includes:

- Lunch at the Course
Driving Range Balls
Green Fees/Cart
Beverages on the Course (Soda and Beer)
Closest to Pin and Longest Drive Prizes
Awards Dinner with Presentation and Attendance Prizes

!!!EARLY BIRD PRICING, SAVE \$40 IF PAID BY April 15th!!!
Please RSVP No Later Than Monday, April 25th
Space will be limited to the first 36 teams / 144 golfers

Online Registration Available at http://missouri.apwa.net, or
Make your check payable to APWA - St. Louis Metro Branch and mail along with this form to:
Attn: Ben Niesen, Oates Associates, 720 Olive, Suite 700, St. Louis, MO 63101

Organization/Team Name
Contact Person
Phone Number
Email Address
Names: 1, 2, 3, 4

Sponsorships & Donations:
Golf: ___ players x \$100 ea.
Mulligans: \$20 / team
Skins: \$20 / team
Hole Sponsor: \$100
Lunch Sponsor: \$250
Beverage Sponsor: \$250
Scholarship Donation:
TOTAL:

For further information please contact Ben Niesen at 314-588-8381 ext 29, ben.niesen@oatesassociates.com



2016 Work Zone Awareness

5K & 1 Mile Fun Run/Walk

April 16th, 2016 – MoDOT Traffic Management Center
Registration – 7 am; Race/Walk – 8 am; Volunteer Lunch – 10:30 am

Volunteer Commitment Form

Volunteer Contact Information

Name: _____

Company: _____

Phone: _____ Email: _____

Free T-Shirt Size: _____

Website: <http://www.fleetfeetstlouis.com/racing/highlighted-races/modot-work-zone-5k>

For more information please contact Tom Blair: (314) 453-1803 or Thomas.Blair@modot.mo.gov

Mail completed forms to: Attn: Zach Evans, 1590 Woodlake Drive, Chesterfield, MO 63017

Or E-Mail to: Zachary.Evans@modot.mo.gov

Event begins/ends at:

St. Louis Metro District Office
Traffic Management Center
1590 Woodlake Drive
Chesterfield, Mo 63017
314-275-1500



THANK YOU FOR YOUR SUPPORT!



This event is open to employees and their families & friends and the public. Last year this event attracted almost 300 participants. This year your support is critical to our continued success! You can support this event by:

- Registering to run or walk
- Volunteering

Register for this event today at:

<http://www.fleetfeetstlouis.com/racing/highlighted-races/modot-work-zone-5k>

Volunteers are welcomed, see attached Volunteer Form!

Please put Saturday, April 16th, Work Zone 5K on your calendar. Please begin walking, running and simply getting prepared to participate now. Our Fit 4 Life Team is hoping to see many MoDOT family and friends at this event!!

For more information call or email Tom Blair at 314-453-1803 or Thomas.Blair@modot.mo.gov

Volunteers Needed for 2016 Work Zone 5K Walk/Run

April 16th, 2016 - MoDOT Traffic Management Center
Registration - 7 am, Race/Walk - 8 am, Volunteer Lunch - 10:30 am

Mail completed forms to: Attn: Tom Blair, 1520 Woodlake Drive, Chesterfield, MO 63012
Or E-Mail to: Tom.Blair@modot.mo.gov
Link to Form: www.fleetfeetstlouis.com/modot-work-zone-5k

Volunteers get Free Lunch and a Free T-Shirt!

Your help makes our event a success!

2016 Work Zone 5K & 1 Mile Fun Run/Walk

April 16th, 2016 - MoDOT Traffic Management Center
Registration - 7 am, Race/Walk - 8 am, Volunteer Lunch - 10:30 am

Volunteer Commitment Form

Name: _____
Phone: _____
Email: _____
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Thank You for Your Support



MISSOURI CONCRETE CONFERENCE

hosted by Missouri University of Science and Technology

Join us and our distinguished group of regionally and nationally known speakers at this year's [Missouri Concrete Conference](#), May 3-4, 2016, in Rolla, Missouri.

During this affordable two-day conference, you could earn approximately 10 Professional Development Hours (PDHs).

Conference Topics

MATERIALS:

- Benefits of Macrofibers
- Steel Fibers in Concrete
- Impact of Air Pollution Control on Fly Ash

CONSTRUCTION:

- Proper Curing Techniques & Materials
- Soil Stabilization & Full Depth Reclamation
- Kansas City International Airport Runway Case History
- New ACI Pavement Construction Guide
- Lithium Silicate Curing Compound

QUALITY CONTROL & INSPECTION:

- Floor Slabs & Toppings: Design & QC
- Concrete Tests: Choices & Interpretation
- Practical Applications of Resistivity Testing
- Super Air Meter

READY MIX OPERATIONS:

- Factors Affecting Strength

MAINTENANCE & REPAIR:

- Structural Cracks: Identification, Prevention, & Repair
- Street Deterioration Repairs
- City/County: Concrete Pavement Management Programs
- Pavement Joint Sealing/Resealing

DESIGN & SPECIFICATION:

- Pavement Joint Detailing
- History of MoDOT Concrete Girders

For more information, go online to <http://concrete.mst.edu>.

...See you at the Conference!

SAVE THE DATE

FRIDAY MAY 13, 2016



Bi-State Fabricators Association Presents:



Welded Connections: The Good, The Bad and The Ugly

Presented by Duane K. Miller, P.E., Sc.D

What makes for a good welded connection? Or, one that is bad, or ugly? In this presentation, 12 principles of welded connection design will be presented that answer these questions. The principle will be identified, explained and illustrated with examples of good and bad. The seminar will conclude with a review of two notable failures, and identifying how the application of the 12 principles to these situations could have avoided these problems. Engineers, Designers, Detailers, Fabricators, Erectors and Inspectors should all benefit from this program.

Please join us for our annual FREE spring breakfast program featuring Duane Miller, Duane is the manager of Engineering Services with The Lincoln Electric Company. Duane is a recognized authority on the design and performance of welding connections.

Where: Greenbriar Hills Country Club ([no jeans allowed](#))

12665 Big Bend Rd, Kirkwood, MO 63122

Doors will open at 7:00 am, the breakfast will begin at 7:30 am and the [90 minute](#) presentation will begin at 7:45 am. This program will be open to the first 150 to register and will provide 1.5 PDH

YOU MAY REGISTER BEGINNING MARCH 28, 2016 by emailing; cathy.bi-state@centurylink.net

2016 St. Louis Summer Transportation Institute



2016 St. Louis Summer Transportation Institute

Are you interested in learning more about transportation, aviation, engineering, science, or technology? The St. Louis Summer Transportation Institute may be for you!

As part of the Institute, you will:

- Learn about land, air and water transportation and engineering in a fun and inspiring environment
- Attend small airplane flying sessions and participate in hands-on activities to simulate traffic, design a bus route, and more.
- Meet knowledgeable professors, successful engineers and undergraduate students who are passionate about transportation, aviation and engineering.
- Visit transportation facilities and learn about careers in transportation.

When: July 11-15 or July 18-22 from 9:00 am – 4:30 pm each day

Cost: **FREE** (If selected, scholarship will cover lunch, activities, materials and field trips)

Where: Saint Louis University's Parks College of Engineering, Aviation and Technology
3450 Lindell Blvd., McDonnell Douglas Hall, Saint Louis, MO 63103

Who is eligible? Students entering 9th through 12th grades in Fall 2016

Please visit parks.slu.edu/summer-transportation-institute or see the back of this flyer for application instructions.

Submit your application online by June 1 for full consideration or mail to:
Parks College of Engineering, Aviation and Technology
ATTN: Summer Transportation Institute
3450 Lindell Blvd, Rm 2003
St. Louis, MO 63103

For further information, visit parks.slu.edu/summer-transportation-institute, contact Rachel Rimmerman at (314) 977-8443 or by e-mail at parksevents@slu.edu.



SAINT LOUIS UNIVERSITY
—
PARKS COLLEGE OF ENGINEERING,
AVIATION AND TECHNOLOGY

Employment Opportunities

Cochran Opportunity - Civil Design/Project Engineer

Cochran has an immediate opening for a Civil Design/Project Engineer in our Lake of the Ozarks, Missouri office.

Reference # 16ASCEMOLO

The job responsibilities for this position include: perform a broad range of planning and design tasks for site development, stormwater, drinking water and wastewater, transportation and general civil infrastructure projects; development of plans, specifications, design computations, reports and construction documents. The position will be technically involved in detailed design work, coordination of civil and non-civil designs on multi-discipline projects, coordination with utilities and public agencies, as well as resolution of design issues that may include performing field investigations.

The ideal candidate would have 5+ years of design experience related to site development, stormwater management, drinking water, wastewater, transportation and general civil engineering. A Bachelors degree in Civil Engineering and EI/EIT Certification is required; PE licensure is preferred

For more information for this position, visit www.cochraneng.com –careers - Please forward your cover letter and resume via email with reference # to cochrancareers@cochraneng.com - No phone calls please.

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