

January 2015
Revised 1/5/15

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Upcoming ASCE Events

January 15
ASCE Monthly Luncheon

January 28
ASCE YMG Meeting
Alpha Brewing Co.

February 3
Site Characterization Practices
for Geotechnical Design

February 24
Engineer's Week Joint Society
Luncheon



January Luncheon

11:30 am to 1:00 pm, Thursday January 15, 2015

Birds Point-New Madrid Floodway: Flow and Geomorphic Dynamics During the 2011 Flood

Speaker: Robert Holmes, PhD, PE , D.WRE

Topic

As flooding reached record levels for the Mississippi-Ohio River confluence at Cairo, Illinois in early May 2011, the Birds Point-New Madrid Floodway (Floodway) was activated to provide a lowering of upstream water levels through a controlled demolition of 9,000 feet of levee. Prior to activation of the Floodway, the U.S. Geological Survey (USGS) deployed self-contained stage sensors throughout the Floodway to capture the change in water elevation through time at various locations. Daily streamflow measurements were made upstream of the Mississippi-Ohio River confluence, within the Floodway opening, and on the Mississippi River downstream of the Floodway opening. Additionally, velocity and bathymetric data were collected downstream of the Floodway to characterize scour.

Bio

Robert (Bob) Holmes, PhD, P.E., D.WRE serves as the National Flood Hazard Specialist and Coordinator for the U. S. Geological Survey (USGS). Additionally he holds academic appointments in Civil Engineering at the Missouri University of Science and Technology, and the University of Illinois. Dr. Holmes serves as lead flood scientist for USGS operational and scientific endeavors nationwide. Prior to taking his current position in 2008, he served 9 years as the Director of the USGS Illinois Water Science Center in Urbana, Illinois. In 1994, he served as President of the now disbanded Mid-Missouri Section of ASCE. Dr. Holmes has BS and MS degrees in Civil Engineering from the University of Missouri-Rolla and a PhD in Civil and Environmental Engineering from the University of Illinois.

Details/Reservations

Reservations can be made and details can be found at the following link:

<http://goo.gl/yi3aSN>

Contact Kurt at the Engineers' Club for reservations by noon the Friday before the event. Phone: 314-533-9333, fax: 314-533-9336, 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 PDH is typically awarded to attendees.

Officers & Directors 2014 - 2015

President

Shawna Erter
SCI Engineering Inc.
130 Point West Blvd.
St. Louis, MO 63301
Phone: 636-949-8200
Fax: 636-949-8269
E-mail:
serter@sciengineering.com

President-Elect

Michael Buechter
Metropolitan St. Louis Sewer
District
2350 Market Street
St. Louis, Missouri 63105
Phone: 314-768-2772
Fax: 314-768-6341
E-mail: mtbuec@stlmsd.com

Vice President

Matt Harper
219 Mockingbird Lane
Waterloo, IL 62298
618-939-0154
Email: mharper@wrs-rc.com

Secretary

Lyle Simonton
Subsurface Constructors, Inc.
101 Angelica St.
St. Louis, MO 63147
Phone: 314-421-2460 x101
Fax: 314-421-2479
E-mail:
lsimonton@subsurfaceconstructo
rs.com

Treasurer

Chad Schrand
Engineering Systems
Incorporated
923 E. Terra Lane
O'Fallon, MO 63366
Phone: 636-240-6095
Fax: 636-281-9052
E-mail: cmschrand@esi-mo.com

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President's Message

Shawna Erter

Well, here it is, the beginning of a new year. I always have so many things I plan to do differently in the new year both at home and at work. It is such a great opportunity to start anew. I am sure you all want to hear about all my personal New Years resolutions, but believe me they are not that exciting. One thing I think may be exciting to you is one of my personal goals for this year regarding ASCE.

As many of you have noticed over the years, our participation in the luncheons has dwindled. As a board, we are all working towards revamping those luncheons and increasing attendance. The luncheons play a vital role in our members getting to know each other, sharing information, and truly growing as engineers no matter your discipline. A few things we are going to be doing differently is the timing of the luncheon so that we can provide 1 full PDH. We are also moving towards an electronic sign up and payment system to make it easier for our members to get it paid for and on their calendars. Other items we will be working on is looking at our speakers and possibly teaming with other societies for more of the luncheons as well as better advertising of our programs.

Unfortunately, this isn't a change just a few of us can make. We need your help. Really we need your help with two things, that's doable right? First, we need your feedback. Please let me or another board member know what is working, what is not working, and what would get you to attend the luncheons on a regular basis. Secondly, we need you to attend and bring others from your office with you. We need your help to advertise the program and get your company involved in ASCE. I will be blunt, part of the reason people attend certain luncheons and used to attend much more is purely from a business development standpoint. There were people there who they wanted to meet or talk to and it was worth their time and money to attend and meet them. As attendance went down, many of our members no longer viewed the luncheons as a business development opportunity and they stopped coming as well. There are many reasons attendance has gone down, but that is just an example.

If you have actually made it to the end of this letter, I appreciate you sticking with my soap box discussion this long. I know we have a lot of members who are passionate about ASCE and I am hoping that if we all come together we can make these luncheons better for all of us and in doing so bring back the attendance that we once had.

Sincerely,

Shawna Erter, PE

HENRY FLAD (1824 – 1898)

A Pioneering St. Louis Civil Engineer

Born: July 24, 1824 in the Grand Duchy of Baden, Heidelberg

Died: June 20, 1898 in Pittsburgh, Pennsylvania, remains buried in St. Louis, MO

Henry Flad attended the University of Munich (in Bavaria), taking polytechnic (Engineering) courses and graduated in 1846. Due to considerable political unrest throughout Europe, including a failed revolution in Germany, he came to the United States, landing in New York in the autumn of 1849. He soon became a design engineer for the New York and Erie Railroad and became associated with James Kirkwood and James Morley. By 1852 he was an assistant engineer, working on the construction of the Ohio and Mississippi Railroad from Cincinnati to St. Louis, the first railroad to come from the east to St. Louis. In 1854, Flad joined the Iron Mountain Railroad during its construction, as an assistant engineer to James Morley. He remained with this railroad until the Civil War began. Flad enlisted as a private in the Third Regiment of the U.S. Reserve Corps in St. Louis. He quickly rose through the ranks, and was put in charge of reconstruction of several railroads and fortifications. During 3-1/2 years of service, he rose to the rank of Colonel. He barely had one week of leave during that time.



Henry Flad, Eads's Chief Assistant Engineer

Henry Flad returned to St. Louis to look for new employment. The City of St. Louis, after several bouts with cholera epidemics, passed a new law creating the Board of Water Commissioners. In the spring of 1865, James P. Kirkwood, a prominent nationally known civil engineer, was named its Chief Engineer and Colonel Henry Flad as his assistant. Shortly thereafter an entirely new water system with intakes, settling basins and filters at the Chain of Rocks was developed. This plan was approved by the Water Board, but ran counter to some private interests because it was a radical departure from a previous water system plan and its costs were very high. The Water Board was forced to resign. Kirkwood received a commission to study filtration in Europe and Flad was left as Acting Chief Engineer. In December of 1866, a revised plan with intakes and settling basins at Bissell's Point and a distribution reservoir at Compton Hill was approved and began construction.

James Buchanan Eads was using space in the offices of the Water Board, and a friendship quickly developed between Eads and Flad. When James Eads was elected as Chief Engineer of the St. Louis and Illinois Bridge Company in March 1867, he immediately hired Henry Flad as Assistant Engineer. From that moment until the Bridge was opened on July 4, 1874. Henry Flad was involved in all technical aspects of the Bridge. Significant contributions by Flad included the structural analyses; design of testing equipment which allowed for the first time testing of all major structural steel; and the design of wooden cantilever trusses to hold arches in-place as they were being constructed without blocking river traffic. These were all first world-wide applications of this technology. As one source stated, "He (Flad) was the brains behind that structure".

In the autumn of 1876, the City of St. Louis inaugurated a new Charter, which included a new Board of Public Improvements. Henry Flad was elected its first President. He was reelected in 1881, 1885 and 1889. He resigned in April 1890 after fourteen years of significant service to the City of St. Louis. He accepted appointment as a Commissioner of the Mississippi River Commission, succeeding James Eads who had lobbied its earlier creation and who had served as a Commissioner during its conception.

Henry Flad was a founding member of the Engineers Club of St. Louis. The first meeting was on November 4, 1868, at the offices of the Water Board at Fourth and Elm. Flad became the Club's President for the first twelve years. Henry Flad became a member of the American Society of Civil Engineers on February 15, 1871, and was elected as its National President for the year ending 1887. The Association of St. Louis Members of ASCE began meeting in 1888, and the Section was formed on October 7, 1914.

Article was written by Charles Buescher, Life Member ASCE, and edited by Jeff Fouse. The St. Louis Section, the Engineers' Club and the City of St. Louis Board of Public Service have endorsed the nomination of Henry Flad for the St. Louis Walk of Fame in the Loop.

ASCE Younger Member Group

January YMG Meeting:

Wednesday, January 28, 2015

Alpha Brewing Co.

1409 Washington Ave. (Rear)

<http://www.alphabrewingcompany.com/contactus/>

- ❖ Professionalism and Social Media – February/March
- ❖ Operation Food Search Volunteer
- ❖ Rebuilding Together
- ❖ NOTE: Attached if information for the PE review in the spring.
- ❖ CRYMC –Jan 30-31, Houston, TX
- ❖ Citizens for Modern Transit – KC Streetcar, 1/22/14, 11:30 am
- ❖ ACEC – MoDOT PM Roundtable, 1/22/14, 7:30 am

Networking Events



St. Louis Chapter of the
Geotechnical Institute of ASCE
Presents

Site Characterization Practices for Geotechnical Design

EVENT: Presentation by Dr. Erik Loehr followed by a Panel Discussion

DATE AND TIME: February 3, 2014 5:30PM to 8:00PM
5:30 pm Registration and Buffet Dinner
6:00 pm Program begins

LOCATION: Geotechnology, 11816 Lackland Road Suite 150, St. Louis, MO 63146

COST: \$20.00 professional. Two (2) PDHs will be awarded. Advanced payment is appreciated. *ASCE is charged for all reserved meals. If you've signed up and can't make it, please cancel by 01/23/15 or we will have to charge you for the meal.*

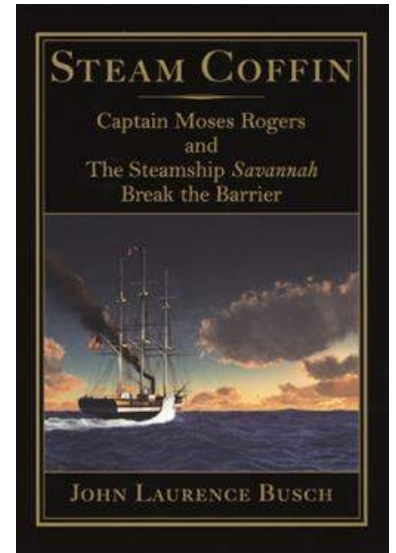
RSVP: Please RSVP by 01/23/15 to: ASCE St. Louis Section, c/o Nicholas Roth, Professional Services Industries, Inc. (PSI), 8669 Olive Boulevard, St. Louis, Missouri 63132, phone: (314) 432-8073, email: nicholas.roth@psiusa.com

Abstract: A comprehensive research program was performed for the Missouri Department of Transportation to evaluate the influence of site characterization practices on geotechnical design and to develop and implement methods that provide explicit means to quantify the potential value of site characterization activities during the design phase. The research program consisted of performing extensive site characterization at four “soil sites” and four “shale sites” including both laboratory and in situ test measurements. At each site, characterization was performed following “state-of-the-art” procedures and “state-of-the-practice” procedures to evaluate the influence of boring, sampling, and testing methods. The presentation will describe the laboratory and field testing procedures followed during the research program. Results from the research program will be presented to support important observations and conclusions regarding the influence of the quantity and quality of site characterization practices on geotechnical design parameters. Primary focus will be placed on results from laboratory testing to establish shear strength and consolidation properties for design. Finally, practical recommendations for site characterization in Missouri soil and rock will be presented based on the findings from the research program.

Engineers Week
Joint Society Luncheon 2015
Building the First “Steamship” in History



by
John Laurence Busch
based upon his book
STEAM COFFIN
Captain Moses Rogers
and
The Steamship *Savannah*
Break the Barrier



—————
Historian and author John Laurence Busch

will attempt to re-calibrate your mind before showing why the proposition of making the first crossing of the Atlantic Ocean on a "steamship" was met with a mixture of skepticism and fear. Then he will show how Captain Rogers addressed those fears, by designing a new kind of steam vessel, capable of overcoming the dangers of the deep.

The *Savannah* is more than a “steamship.”
She is the first example of globalized high technology in history.

www.steamcoffin.com for more reviews and background...

When: Tuesday, February 24, 2015

Where: Crowne Plaza St. Louis – Clayton 7750 Carondelet Ave. Clayton, MO 63105

Cost: \$35 per person. Group Reservations/Tables of 10 will be recognized during the event
Complimentary Parking in the 7777 Bonhomme Garage (Cross over to Hotel from Orange Level)
PAID reservations are required by Tuesday, February 17, 2015
Advanced Reservations only – No Walk-ins

Name of Organization

Address

Phone

Email Address

of Tickets

Checks payable and mailed to: The Engineering Foundation of St. Louis, 4359 Lindell Blvd. St. Louis, MO 63108



SIUE **ASCE** GOLF OUTING

SATURDAY, APRIL 18

THE ORCHARDS GOLF COURSE, BELLEVILLE, ILL

REGISTRATION: 12:30 p.m. **TEE-OFF:** 1 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 HAMBURGER AND HOT DOGS ON LOCATION WITH MULTIPLE SIDE OPTIONS.

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 CKOLTVUIT@GMAIL.COM BY THE REGISTRATION DATE.

REGISTRATION DUE BY 4/8/15. GOLF ATTIRE IS REQUIRED. NO STEEL SPIKES ARE ALLOWED ON THE COURSE.

TO REGISTER 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: _____

MEMBER 2: _____

MEMBER 3: _____

MEMBER 4: _____

SPONSORSHIPS:

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

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

TIMBER: 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 REFUND.

QUESTIONS? CONTACT CORY KOLTVEIT AT CKOLTVUIT@GMAIL.COM OR (217) 257 7244

Continuing Education

Workshop: Underground Coal Mine Stability Analysis 6 PDH Credits

Time: Friday, January 23, 2015 – 9 AM to 4 PM

Location: Room: TBD, School of Engineering, Southern Illinois University, Edwardsville, IL

Registration:

For registration please follow the instructions here: www.zamiran.net/jan-15.html

Fee: Students: \$45, Professionals: \$95

Workshop Objectives:

The main subject of the workshop is use of numerical modeling and empirical correlations in room and pillar coal mining investigations including pillar stability, floor bearing capacity, roof and floor deformation and subsidence analysis. Numerical modeling procedure will be discussed using FLAC3D, a geotechnical program which is developed by Itasca, Inc.

The workshop is very useful for students and professionals in civil engineering, geotechnical engineering, mining engineering, and geology and geomechanical sciences.

Workshop webpage:

www.zamiran.net/jan-15.html

Instructor:

Siavash Zamiran

Ph.D. candidate and Research/Teaching Assistant of geotechnical engineering

Southern Illinois University Carbondale



Contact Information

Phone: 618-334-4572

Fax: 618-650-2555

Email: zamiran@siu.edu

Website: www.zamiran.net

www.linkedin.com/in/zamiran



EWRI St. Louis News

Board of Direction Nominations Open

The St. Louis Chapter of EWRI is accepting nominations for the position of Secretary/Treasurer. According to the newly updated bylaws, the nominees will appear on the ballot at least 14 days before the Annual Meeting which is typically held in mid-September. Please send nominations to Michael Buechter (MTBUDEC@stlmsd.com) or Elise Ibendahl (eibendah@ch2m.com).

EWRI St. Louis Inaugural Monthly Speaker Series Event

The St. Louis Section of EWRI is pleased to announce our first webinar **jointly sponsored by Missouri University of Science and Technology on January 22, 2015 at 11:30 am-12:30 pm**. Dr. Robert Holmes from USGS will be discussing Rating Curve Complexity. Registration is free for in-person (at USGS in Rolla) or webinar attendance. **Advance registration is required by end of business on January 16, 2015**. Please register in advance online at the following link:

https://docs.google.com/forms/d/14zCXoE8KAXA7-K79sC0mNXiQ3hkB3EVIFJbsf269Ess/viewform?usp=send_form

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

EWRI January Speaker Series Topic: Streamflow Rating Complexity

The relation between streamflow discharge (discharge) and water-surface elevation (stage) is termed a streamflow rating (rating). Ratings are used for a variety of reasons in water-resources investigations, but a predominant use of ratings is at streamgages, where autonomously-collected stage is converted to discharge by use of a rating. Ratings are typically represented as a simple single-valued function (simple rating), meaning there is a single value of stage that corresponds to each discharge. Ratings for natural streams and rivers, even for the smallest of streams, are rarely ever truly simple ratings, with complexity due to the hydrodynamics (hydrodynamic complexity). Additionally, the channel hydraulic control (control) conditions are often not static because of physical changes due to such factors as channel geomorphic change, debris accumulation, or floodplain changes (such as levee failures). These complexities will be referred to as hydraulic control complexities. This talk examines both the hydrodynamic and hydraulic control complexities for ratings.

Speaker: Robert (Bob) Holmes, PhD, P.E., D.WRE serves as the National Flood Hazard Specialist and Coordinator for the U. S. Geological Survey (USGS). Additionally he holds academic appointments in Civil Engineering at the Missouri University of Science and Technology, and the University of Illinois. As the USGS National Flood Specialist, Dr. Holmes serves as lead flood scientist for U.S. Geological Survey (USGS) operational and scientific endeavors nationwide, including serving as a senior advisor on flood issues to the USGS Director and Associate Directors. Prior to taking his current position in 2008, he served for 9 years as the Director of the USGS Illinois Water Science Center in Urbana, Illinois. In 1994, he served as President of the now disbanded Mid-Missouri Section of ASCE. Dr. Holmes has BS and MS degrees in Civil Engineering from the University of Missouri-Rolla and a PhD in Civil and Environmental Engineering from the University of Illinois.



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

The current presentation speakers and topics for each month are currently under development. 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.

ASCE 2014 Fall and Winter Continuing Education Schedule of Seminars

Program	Full Dates	City/State
Seismic Analysis of Structures and Equipment — NEW	November 6—7, 2014	St. Louis, MO
Seismic Design of Highway Bridges	December 11—12, 2014	Denver, CO
Liability of Engineers: How to Stay out of Trouble	March 12—13, 2015	Denver, CO
Dam Breach Analysis Using HEC-RAS	March 25—27, 2015	St. Louis, MO
Structural-Condition Assessment of Existing Structures	March 26—27, 2015	Denver, CO

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.

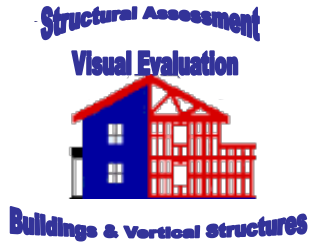
Computer applications will utilize HEC-RAS modeling for steady flow and unsteady flow water surface computations. The effects of various obstructions such as bridges, wiers, and other structures in the floodplain will be considered. Spreadsheet or hand computations will be performed for water surface 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

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>)

- 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*

Workshop: Numerical Modeling of Foundations Using FLAC3D

6 PDH Credits

Time: Friday, February 27, 2015 – 9 AM to 4 PM

Location: Room: TBD, School of Engineering, Southern Illinois University, Edwardsville, IL

Registration:

For registration please follow the instructions here: www.zamiran.net/feb-15.html

Fee: One day registration: Students: \$45, Professionals: \$95

Workshop Objectives:

The main subject of the workshop is use of numerical modeling in analysis of shallow and deep foundations. Specifically, numerical modeling of group piles and stone columns will be discussed for deep foundations. FLAC3D, a geotechnical program which is developed by Itasca, Inc. will be used for numerical modeling. The workshop is very useful for students and professionals in the field of civil engineering, geotechnical engineering and other related fields.

Workshop webpage:

www.zamiran.net/feb-15.html

Instructor:

Siavash Zamiran

Ph.D. candidate and Research/Teaching Assistant of geotechnical engineering
Southern Illinois University Carbondale



Contact Information

Phone: 618-334-4572

Fax: 618-650-2555

Email: zamiran@siu.edu

Website: www.zamiran.net

www.linkedin.com/in/zamiran

Employment

City of Wildwood, Missouri Director of Public Works / City Engineer

The City of Wildwood (pop. 35,517) is seeking a highly motivated person to fill the position of Director of Public Works/City Engineer.

Wildwood, MO is a unique, progressive community that is set in a magnificent natural environment that features heavily wooded, hilly terrain with valleys, meadows and streams. Located in St. Louis County, just a 20 minute drive from downtown St. Louis, Wildwood is a historic community dedicated to its Master Plan, which provides for the preservation of its rural areas while providing for residential and commercial growth. Of the 68 square miles within the municipal boundaries, 11 square miles are State or County Parks. The City is served by the AAA rated Rockwood School District and has numerous recreational opportunities including an extensive trail and bikeway system, the only snow ski facility in the region, and is an established equestrian community. The City was incorporated in 1995 and is dedicated to contracting out the majority of its municipal services. The City has 19 full time employees, an annual operating budget of \$8.5 million and a 2015 capital budget of \$14.2 million.

The Director of Public Works/City Engineer is a highly responsible position that is a critical part of the city's overall management team, with direct responsibility for street, right-of-way and facility maintenance, capital improvement project administration, private development plan review and permitting, oversight of the City's exclusive residential solid waste license agreement, and management of numerous consultant and construction contracts. Candidates must be a licensed Professional Engineer in the State of Missouri.

Candidates should submit a cover letter, résumé, and a minimum of three (3) professional references, no later than Friday, January 30, 2015, to:

Director of Public Works Position
City of Wildwood
16860 Main Street
Wildwood, MO 63040

The City of Wildwood offers a competitive salary and benefit package. Wildwood residency is not required, but preferred. The Director of Public Works/City Engineer is appointed by the City Administrator with the approval of a majority of the City Council.

The City of Wildwood is an Equal Opportunity Employer.

UNIVERSITY POSITION AVAILABLE

Water Resources Engineering Faculty Position. The Department of Civil Engineering at **Southern Illinois University Edwardsville** is seeking to fill one tenure track position in Civil Engineering at the Assistant Professor level to begin August 16, 2015. The successful candidate must have the ability to teach undergraduate and graduate courses in civil engineering with emphasis in water resources and environmental engineering, establish and sustain an externally funded research program with emphasis in water resources and related areas, and participate in service activities. Candidates with a background in engineering hydrology, water resources, or watershed management are preferred. A background allowing candidates to work with existing civil engineering faculty, including across sub-disciplines is an asset.

Candidates should have an educational background that would permit licensure as a professional engineer, must hold at least one degree in civil, water resources, or environmental engineering, and must be nearing completion of or already possess a doctoral degree in civil engineering or a closely related field. Information about the department can be found at www.siu.edu/engineering/civilengineering/. Interested persons should send a letter of interest, the curriculum vita with a list of three references, teaching and research statement (one to two page each), with all of materials assembled into one PDF file to ce-admin@siue.edu. Review of applications will begin on February 2, 2015 and will continue until the position is filled.

SIUE is an Affirmative Action/Equal Opportunity employer that strives to enhance its ability to develop a diverse faculty and staff and to increase its potential to serve a diverse student population. All applications are welcomed and encouraged and will receive equal consideration. SIUE is a state university that is part of the metropolitan St. Louis area. Benefits under state sponsored plans may not be available to holders of F1 or J1 visas. Applicants will be subject to a background check prior to an offer of 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.

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.

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**