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2004-2005**

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March 2005

**Please join the St. Louis Section for our
March Luncheon**

Tuesday, March 8th, 2005

Water Resources and the Permitting Process

Featured Speaker: Scott D. Harding, CPSS/SC

Creeks and tributaries, as well as most wetlands are considered waters of the United States, identified under definitions described in Section 328.3 of the Code of Federal Regulations (33CFR). Any impact to waters of the United States, including draining, filling, rerouting, crossing (with roads or utilities), and discharging into requires a Section 404 permit from the U.S. Army Corps of Engineers and a Section 401 Water Quality Certification from the Missouri Department of Natural Resources (MDNR) or the Illinois Environmental Protection Agency (IEPA). In addition, a NPDES Permit or Land Disturbance Permit is needed from MDNR or IEPA when one or more acres of ground will be disturbed by grading activities.

Scott D. Harding, CPSS/SC is one of the partners of SCI Engineering, Inc. and since 1998 has served as director of natural resource services. He also manages SCI's office in St. Louis. He has extensive experience in managing the 402, 404 and 401 permitting process required by the Clean Water Act and has presented expert testimony to congressional sub-committees and other groups on that topic. Mr. Harding lobbied the Missouri House of Representatives for improvements to environmental regulations in 1997 and 2001. As an experienced and in-demand speaker, he has made presentations on environmental permitting and various issues at conferences and workshops.

Mr. Harding has worked with developers to create the first wetland mitigation bank in the St. Louis region and has subsequently worked on getting most of the remaining mitigation banks approved in the area. He was a key player in developing Richard Creek Mitigation Bank, the first stream and wetland mitigation bank in the United States. He earned his M.S. degree in pedology (soil classification) and his B.S. Degree in soil science from the University of Illinois-Champaign/Urbana and completed the Wetland Delineation Training Program, at the Wetland Institute. Mr. Harding holds the professional soil classifier designation from the Illinois Soil Classifiers Association (ISCA), is a professional soil scientist – national (ARCPACS) and is a certified soil scientist – Missouri Department of Health (MDOH).

Location: The Engineers' Club of St. Louis, 4359 Lindell Blvd.

Time: 11:30 a.m. Registration & Cash Bar / 12:00 p.m. Lunch

Cost: \$15.00 per person / \$5.00 students / checks payable SAME

Call Kurt at the Engineer's Club for reservations (314-533-9333) or fax at 314-533-9336 or email at kurt.krispin@engineersclub.net **ASCE is now charged for all reserved lunches. If you've signed up and can't make it, please cancel with Kurt by the Thursday before the meeting or we will have to charge you for the meal.**

President's Message From Robert Neath



It is an activity that we perform everyday, each and every one of us. It happens in our personal lives with our family and friends. It happens in public with people whom we do not

know. It also happens in our professional lives with our supervisors, peers, and subordinates. What activity is it that is so broad encompassing that it impacts our lives in so many ways? The topic is "communication", of course. Communication takes on so many different forms that sometimes it happens without us even knowing it. We write, telephone, page, email, talk, gesture and listen. It is an activity so often overlooked we lose the importance of each and every occurrence. However, we all know what "good communications" bring us. In our personal lives it solidifies our relationships and our understanding of the ones we hold dear. In our professional lives it provides clear expectations of schedule, budget and quality performance issues. And that, my friends, is just scratching the surface.

Just last month, our ASCE National President, Bill Henry, began a series of "fireside chats". The purpose of these discussions was to develop a direct communication link between the Sections and Branches, and our national leadership. While historically our St. Louis Section has had an opportunity to present our issues and concerns to our national leadership in the form of resolutions passed at our zonal conferences, we now have the ability to express ourselves on a much less formal and more frequent basis. During this first fireside chat, we spent a great deal of time discussing the Civil Engineering Body of Knowledge for the 21st Century. I encourage each of you to review this precedent setting document to begin your understanding of the great strides ASCE is taking to elevate the benchmark status of the civil engineering profession. (<http://www.asce.org/professional/educ/>).

If you have any questions, comments or concerns related to the Body of Knowledge or any other ASCE issue, please feel free to communicate with me. I'm listening, and can carry your issues directly to our ASCE national leadership.

Best Regards, *Robert*

ASCE Seeks Nominees for Leadership Positions

The ASCE Nominating Committee is seeking member input of potential candidates for the office of: President-Elect, Vice-President, Secretary and Treasurer, as well as a Director to serve a three-year term. If you are interested, or are aware of another member who might be willing to serve, please contact Mark Meyer at (314) 432-2543 or Robert Neath at (314) 421-0313 ext. 224 prior to March 25th.

ASCE Continuing Education Seminars

The following seminars are coming to the St. Louis Area:

Structural Condition
Assessment.....March 17-18, 2005

Structural Condition Assessment of Existing Structures

*Larry Olson, Greg Fehr, Bob Ross,
Brian Brashaw, and Xiping Wang*

Learn the latest techniques and procedures for assessing the physical condition of buildings. Includes assessment approach, structural material and system assessment, nondestructive examination, report writing and case studies. Day one covers concrete and masonry. Day two covers wood and steel.
\$995M/\$1,195NM. 1.4 CEUs.

Don't Be a No-Show!

When you make reservations for an event but fail to attend, the Section is charged for the meals or services provided. The Section has to guarantee fees to caterers and other providers based on the expected attendance at each event. That attendance is based on reservations made in advance. *Please help us avoid the extra costs of this situation. If your plans change and you can't attend, please call at least one day prior to the event to cancel your reservation, and allow us to adjust our numbers accordingly.*

To avoid continued financial losses to the chapter and the resulting increased costs for subsequent programs, the Section will charge persons who make reservations and then fail to attend without canceling. We will send an invoice to non-attendees:

Geotechnical Seminar

Geotechnical Considerations for International Building Code (IBC) Seismic Design in the Metropolitan St. Louis Area

The New Madrid Chapter of the Earthquake Engineering Research Institute (EERI), in conjunction with other regional engineering and architecture groups, is sponsoring a seminar on **Geotechnical Considerations for International Building Code (IBC) Seismic Design in the Metropolitan St. Louis Area**. The four hour seminar will be held in **St. Louis** on the morning of **May 20, 2005**.

Speakers will present topics related to Site Ground-Motion Assessment, IBC Site Classification, Liquefaction Analysis & Mitigation, Seismic Response Spectra, and Implications for Siting Structures & Building Seismic Design Practice. In addition, a representative from the United States Geological Service will provide a brief overview of the current St. Louis Seismic Hazards Mapping project, and the implications of the mapping project on seismic design in the St. Louis Metropolitan Area.

Four Professional Development Hours (PDH's) will be awarded. For additional information and/or a registration form, please contact Teresa Walker at (314) 994-7007 or email: TWalker@absconsulting.com. The cost of the seminar is \$50.

St. Louis Section Annual Awards

Nominations are now being accepted for the 2005 local awards to be distributed at the ASCE 2005 Annual Dinner and Awards Banquet this September. These awards represent an exciting opportunity to recognize service to the profession and the community, please take advantage of them.

The 2005 local awards include:

Outstanding Civil Engineering Achievement – presented for an engineering project that demonstrates contribution to the community; resourcefulness in planning; and innovation in design and construction.

Professional Recognition Award – presented to an individual with an established reputation for professional service; objective and lasting achievement in improving the conditions under which professional engineers practice; and a significant contribution to civil engineering education and guidance of young civil engineers.

Young Engineer Award – presented to a young member who has advanced the profession; exhibited technical competence, high character, and integrity; improved

member attitudes towards the profession; and contributed public service outside his or her professional career.

Nominations should include a brief description of the nominee or project, along with contact information and references. To make nominations please contact Michael T. Buechter at mtbuec@stlmsd.com, or call (314) 768-2772.

IBC 2003 Seminar

Topic: IBC 2003 Chapter 18 – Soils and Foundations
- **Steps for Designing a Geotechnical Exploration Program**
- **Soil Constructability Issues**
- **Lateral Loads and Earth Pressure Diagrams**
- **Deep and Intermediate Foundations**

Speakers: Frank Callanan, *Geotechnology*
Allan Minks, *SCI*
Richard Laughlin, *Midwest Testing*
Bill Walton, *STS Consultants*

When: Wednesday, March 16, 2005
8:00 A.M. to 12:00 P.M.
(Registration begins at 7:30 A.M.)

Where: Engineers' Club, 4359 Lindell Blvd
St. Louis, MO

Cost: Cash or Check at the Door
\$50 for Professionals / \$25 for Students

Perks: Certificate for 4 PDH's,
Coffee and Light Snacks

RSVP: Email Reservation to:
crystal_stone@cascoCorp.com

SIUE/ASCE Buy-A-Brick Campaign

Buy a brick is another opportunity in which you can help to support 2004-2005 SIUE ASCE programs. We will be installing a new patio area near the Engineering Building in commemoration of the 2005 Mid-Continent Regional Conference Competition and all who helped support the event. If you would like to buy a brick to help with this patio, we will have your name and message engraved in the brick and it will be placed in the brick area of the seating section. These bricks are guaranteed for a lifetime, so you or your company's name will be forever remembered at SIUE.

Bricks will cost \$50.00 and can be ordered by contacting Bill Stahlman 2005 Mid-Continent Regional Chair Person Email: billstahlman@gmail.com Cell: (314) 603-2998

Registration Form

Please fill out the following and return with payment to:

Lyle Simonton
Tensor Earth Technologies
4163 Cypress Oak Lane
Smithton, IL 62285

Cut here and return registration form

(Copy this form for multiple registrations)

Name _____

Company _____

Address _____

City _____

State _____

Zip Code _____

Phone Number _____

Dewatering Seminar

Friday, April 8, 2005
8:00 a.m. to 12:00 p.m.

\$50 Registration Fee
(\$25 for Students)

Make Check payable to:
ASCE – St. Louis Chapter

Please Register by March 31, 2005



The Geotechnical Sub-Committee of the American Society of Civil Engineers - St. Louis Chapter

Presents

Dewatering Seminar

Friday, April 8, 2005
8:00 a.m. – 12:00 p.m.
(7:30-8:00 am registration and breakfast)

Seminar Location:
Engineer's Club of St. Louis
4359 Lindell Blvd.
St. Louis, MO. 63108

Topic:

- Groundwater Analysis and Installation of Dewatering Systems
- Principles and Hand Calculation of Groundwater Flow
 - Calculations of Flow Quantities Using Digital Computers
 - Selection and Installation of Pumping Systems
 - Dewatering Specifications and Contracts

Presenters:

Richard Bird

Thomas Nelson
Charlie Riggs
Joe Schwenk
Marion Skouby

Job Openings

Civil Engineer

EDM Incorporated is seeking a Civil Engineer (BSCE) with a minimum of five years experience in highway, site development and/or stormwater design. A minimum of three years experience working in Land Development Desktop and/or Geopak is required. Preference will be given to those possessing or having the ability to obtain a PE within six months and those with MSD and/or MoDOT design criteria experience. Send resume to steve.skasick@edm-inc.com

Geotechnical Staff Engineer (EIT)

SCI Engineering, Inc. is seeking an entry-level Geotechnical Staff Engineer (EIT) to work in the St. Louis metropolitan area. Requirements include BS/MS degree in Civil Engineering (with geotechnical emphasis) and up to two years experience. Position requires strong written and oral skills as well as geotechnical experience. Duties require familiarity with slope stability, pavement, L-pile and other geotechnical software. Also, prefer some familiarity with geotechnical-related construction industry.

Excellent benefits package with some travel required. E-mail resume and cover letter to: careers@sciengineering.com ; fax to 618-624-6969, or mail to:

Human Resources
SCI Engineering, Inc.
15 Executive Drive, Suite 4,
Fairview Heights, Illinois 62269

Civil Engineers

Restructured firm has positions available for Dept. Manager, and Project Manager with 10 years minimum experience required. Also a position for a Project Engineer. PE required for all positions. Send resume to: ZE-Civil, 2324 Marconi Ave., St. Louis, MO 63110 or e-mail to: stlouis@zambrana.com. Prospective candidates can also fax resumes to (314) 664-8775. EOE

Hydrogeologist

Geotechnology, Inc. seeks a Hydrogeologist with strong academic- and experience-based background in Environmental consulting for its Collinsville, Illinois office. Technical knowledge and experience in landfills, UST management, TACO, MRBCA, site investigation and remediation desired. Candidates should be familiar with Illinois regulations and have strong communication and project management skills. P.E. or P.G. desired.

Geotechnology, Inc. offers a competitive salary, excellent fringe benefits and a professional work environment. Interested candidates should forward a letter of interest and resume to the Human Resources Manager by mail at 2258 Grissom Dr., St. Louis, MO 63146, by fax to (314) 997-2067 or via e-mail to p_tarrant@geotechnology.com. EOE M/F/V/D

Thanks to the Life Member Contributors

Thanks to those Life Members who have contributed to the 2004-05 scholarship fund. A special thank you to those Life Members who contributed more than the suggested amount. These include Joe Shaughnessy (\$200), Gerry Schwartz (\$100) and several others who contributed \$25-\$50. Approximately 50 Life Members have made a contribution for a total of about \$1400! The board is considering naming one of the three Scholarships for the Life Members.

2006 Structures Congress

There is still time to submit a session or paper for the 2006 Structures Congress being held in St. Louis! For more information, go to:



<http://www.asce.org/conferences/structures2006>

Interested in helping? Join one of the five Committees that are the driving force behind the Congress!

Program Tasks – John Harris
Publications Tasks – Niel Palmer
Exhibits/Sponsorship – Jarek Czernikiewicz
Social Activities – Marc Bacchetti
Technical Activities – Matt Westphal

Contact Co-Chairs Brad Cross (bcross@siue.edu) or John Finke (John.Finke@jacobs.com). Contact Stephanie Arbogast (sarbogast@davidmason.com) for additional questions or concerns.

For more information on the 2006 Congress or the local SEI Chapter, go to the local SEI/Seismic Committee website by clicking the link found on the ASCE-St. Louis Chapter website, or by going to <http://sections.asce.org/stlouis/SEI/Home.htm>

American Society of Civil Engineers
St. Louis Section
The Engineers' Club
4359 Lindell Blvd.
St. Louis MO 63108
ADDRESS SERVICE REQUESTED

Inside:

- **President's Message**
 - **March Luncheon Notice**
 - **Upcoming Seminar Announcements**
-

IMPORTANT DATES

March

- 8 March Luncheon
- 18 Deadline for April newsletter inclusions.

ASCE Newsletter via e-mail and postal delivery:

ASCE National keeps a central database that holds all ASCE members individual information. This database is downloaded by the St. Louis Section every month or two for Section use. This provides the Section with both **mailing and e-mail addresses** AS THEY ARE SHOWN ON YOUR NATIONAL RECORDS. Therefore, if you need to update these addresses regarding your receipt of the newsletter, please do so at the National level (www.asce.org) so we will be forwarded the updated information.

NEWS ITEMS

Please try to get all announcements for placement in the Newsletter to the Newsletter Chairman by the 15th of the month prior to publication. Items may be sent (e-mail preferred) to the Newsletter Editor:

Chad Janson
RJN Group, Inc.
727 North First Street, Suite 240
St. Louis, MO 63102
(314) 588-9764 FAX (314) 588-9781
cjanson@rjn.com

Most news items will be available on the Section's **Web Page**, which can be reached via the link on ASCE National Website at <http://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 Web Page Editor is Steve Randolph e-mail: srandolph@hornershifrin.com or via feedback directly from our website
