

EVENT CALENDAR:

February

6th - February Meeting

7th - Geotechnical
Conference

20th - E-Week Banquet

April

12th - Habitat for
Humanity Build

May

8th - Annual Meeting

ISSUE HIGHLIGHTS:

February Meeting

January Water Resources
Meeting Summary

E-Week Banquet

31st Annual Geotechnical
Seminar (GEO-Omaha
2014)

Geotechnical Short Course

Upcoming Meetings and
Conferences (NEASCE)

February Meeting

February 2014

Hosted by the Geotechnical Technical Group

Thursday, February 6, 2014

- Host:** Nebraska Section ASCE, Geotechnical Technical Group (Brian Havens, Geotechnical Group Committee Chair)
- Presenter:** Timothy D. Stark, PhD, PE, D.GE (University of Illinois at Urbana-Champaign)
- Program:** "IHNC Floodwall Breaches during Hurricane Katrina and Recent Ruling"
- Location:** Scott Conference Center
6450 Pine Street
Omaha, NE 68127
- Times:** 5:30 p.m. Social Hour
6:30 p.m. Dinner
7:30 p.m. Presentation
- Menu:** Fiesta Buffet (Beef Fajitas and Chicken Tacos)
- Price:** \$15 per person with or without meal (spouses and guests welcome)
Students are Free
All persons planning to attend, regardless of price, must register. Please pay at the door. A receipt will be given upon request.
- Registration:** Everyone must pre-register to attend.
Register online by 2:00 p.m. on Tuesday February 3, 2014 at:
<http://meeting.neasce.com/signup/>
For registration problems, contact John Hill at
John.Hill@LRA-inc.com

Deadline for articles to be published in the March newsletter will be March 3rd. Email articles to Greg Seib at gseib@olssonassociates.com

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January Water Resources Meeting Summary

The Nebraska Section's Water Resources Technical Group hosted the January meeting and presentation on January 16, 2014. The presentation topic was "Central Platte River Sediment Augmentation - A Pilot Study." The meeting was a joint meeting with the UNL student chapter and included an update from student members on activities ongoing in the student chapter. The list below can be considered official documentation of attendance at the January 16, 2014 meeting worth one (1) PDH credit.

Aaron Buettner
Doug Kellner
Jason Herr
Kevin Stamm
Marie Stamm
Mike Sklenar
Tyler Klusaw
Pat Engelbert

Daniel Tucker
George Hunt
John Smith
Laurie Carrette Zook
Mark Nelson
Ryan Larsen
Ross Lawrence
Ryan Hanson

Daren Konda
Greg Seib
John Hill
Loras Klostermann
Matt McConville
Tom Franti
Brandon Gardels
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THURSDAY, FEBRUARY 20, 2014

Sponsored by the Engineer's Roundtable
<http://engineerroundtable.org/>

0.1 Continuing Education Units (CEU) or
 1.0 Professional Development Hours (PDH) available

Building America: 150 Years of Union Pacific

Patricia LaBounty has been the outreach coordinator for the Union Pacific Railroad Museum since 2006, transitioning to collections and outreach manager for the Union Pacific Historical Collection as of January 2012. With a degree in Anthropology, Patricia has worked in Museums since 1993, both in collections and outreach, taking a brief 10 year hiatus into a Montessori classroom. Born in Boulder Colorado, Ms. LaBounty has lived and traveled extensively all over the world. From Denmark to Botswana and back, Ms. LaBounty and her family moved to Council Bluffs, Iowa in 2005 from Kaneohe, Hawaii. As collections and outreach manager, Patricia is in charge of making sure that the Union Pacific Historical Collection at the Museum is safe and sound and helping our community explore and experience all that the Museum has to offer through special tours and programs.

Banquet Location:

Strategic Air & Space Museum
 28210 West Park Highway
 Ashland, NE 68003
 402.944.3100

Time:

6:00 PM – Social Hour (Cash Bar)
 7:00 PM – Banquet & Speaker

Buffet Dinner Selections:

Beef Medallions, Salmon and Roasted Chicken served with Fresh Green Beans, Romano Potatoes, and Spring Salad with Ranch or Balsamic Vinaigrette and a fresh baked dinner roll. Desert will be your choice of Chocolate Cake with Mousse filling or Cheesecake with Cherry Topping. Coffee, Tea and ice water will be available.

The lead society for this year's national E-Week is the Institute of Electrical and Electronics Engineers (IEEE) and the lead company is DuPont.

Please note that this event is a Thursday evening. In order to provide a total attendance count to the Museum, only advanced reservations will be accepted. Advanced reservations, menu choices, attendee's name and payment must be received by noon, Tuesday, February 18, 2014 (Monday the 17th is a mail Holiday). Checks should be made payable to the "E-Week Roundtable." Please clip the reservation form below (add an additional sheet if required), attach payment and send to the address shown.

Send to: Elizabeth Hunter, Leo A. Daly Company Questions: email eahunter@leoadaly.com
 8600 Indian Hills Drive, Omaha, NE 68114, (Phone # 402-390-4473)

Attendee's Name(s)	Quantity	Menu Choice		Total Cost
_____	_____	<i>Beef Medallions</i>	x \$30	_____
_____	_____	<i>Roasted Chicken</i>	x \$30	_____
_____	_____	<i>Salmon</i>	x \$30	_____
			Total Cost	_____

Attendee's E-mail address or daytime phone number: _____

31st Annual Geotechnical Seminar (GEO-Omaha 2014)

PROGRAM DESCRIPTION

The annual geotechnical seminar provides a forum for the presentation of a wide variety of geotechnical field, design, and construction-related topics. This year we are honored to have as presenters Bengt Fellenius, Sri Sritharan, Timothy Stark, Emad Farouz, Ching Tsai, Vern Schaefer, Caleb Douglas and Jordan Larsen. Please join us for what promises to be an interesting and informative program. A certificate verifying 7.5 Professional Development Hours will be provided to registered attendees.

WHO SHOULD ATTEND

All professionals who are involved in geotechnical exploration, design, construction, or observation. This would include:

- Engineers/Geologists
- University Instructors
- Technicians/Contractors

INFORMATION

ADMISSION to the seminar is by registration. To ensure admission, complete the registration process early. To register, go to www.neasce.org on or after January 1, 2014 and click on the GeoOmaha registration link.

REGISTRATION FEE is \$170.00 on or before February 3, 2014, \$190.00 after this date. Full time students pay \$25.00. Proceeds benefit the ASCE funded Peck/Benak Engineering Achievement Scholarship, Future City Competition, and local ASCE Student Section.

THE REGISTRATION FEE covers coffee breaks, lunch and handout material.

REFUNDS will be made if the conference is canceled or if the applicant cancels no later than five working days prior to the conference date.

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IN COOPERATION WITH:

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AND THE COLLEGE OF ENGINEERING AND
TECHNOLOGY

31st ANNUAL GEOTECHNICAL SEMINAR

GEO-Omaha 2014

FEBRUARY 7, 2014
SCOTT CONFERENCE CENTER
OMAHA, NEBRASKA

LOCATION

The Scott Conference Center is located at 6450 Pine Street, on the University of Nebraska Omaha AKSARBEN campus, in Omaha, Nebraska. Travel directions and an area map are available online at www.scott-center.com. Complimentary parking is provided in Lot 9, directly across the street from the Scott Center.

PLANNING COMMITTEE:

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P:4

31st Annual Geotechnical Seminar (GEO-Omaha 2014)



Nebraska Section

PRESENTS:

31st ANNUAL GEOTECHNICAL SEMINAR GEO-Omaha 2014

FEBRUARY 7, 2014
SCOTT CONFERENCE CENTER
OMAHA, NEBRASKA

MORNING SESSION

7:30 - 8:00	Registration, Scott Conference Center
8:00 - 8:15	Welcome Address, John Rohde, PhD, PE
8:15 - 9:45	"Two Case Histories of Analysis of Results of Static Loading Tests on Instrumented Piles Greatly Influenced by Residual Load – Sandpoint Idaho and Singapore Skyway" Bengt Fellenius, Dr. Tech., P.Eng Bengt Fellenius Consultants Inc.
9:45 – 10:15	Break/Vendor Displays
10:15-11:15	"Louisiana DOTD's Foundation Design Practice Using CPT" Ching Tsai, PhD, PE Louisiana Department of Transportation and Development
11:15 - 12:00	"Council Bluffs Interstate System Ground Improvement Approach" Emad Farouz, PE CH2M Hill
12:00 - 1:00	Lunch/Vendor Displays

REGISTRATION FOR ANNUAL GEOTECHNICAL SEMINAR

GEO-Omaha 2014

DATE: FRIDAY, FEBRUARY 7, 2014

Registration is now online: Please go to www.neasce.org on or after January 1, 2014 and click on the GeoOmaha registration link.

Registration fee is \$170.00 on or before February 3, 2014, \$190.00 after this date. Full time students pay \$25.00. Proceeds benefit the ASCE funded Peck/Benak Engineering Achievement Scholarship, the Future City Competition, and local ASCE Student Section.

AFTERNOON SESSION

1:00 - 2:00	"Seismic Retrofit of Tuttle Creek Dam in Manhattan, Kansas" Timothy Stark, PhD, PE, D.GE University of Illinois at Urbana-Champaign
2:00 - 3:00	"Efficient LRFD Procedures for Design and Construction of Bridge Piles" Sri Sritharan, PhD Iowa State University
3:00 – 3:30	Break/Vendor Displays
3:30 – 4:00	"Development of LRFD Field Pile Driving Equation for Nebraska Department of Roads" Jordan Larsen, PE Nebraska Department of Roads
4:00 - 4:45	"GeoTechTools: An Alternatives Analysis Tool" Vern Schaefer, PhD, PE Iowa State University Caleb Douglas, PhD, PE Union Pacific Railroad

VENDOR DISPLAYS

A display of products, equipment and services associated with the geotechnical, drilling, and construction industries will be provided by vendors and consultants. A variety of products and information on professional services will be presented. Firms that currently plan to attend include:

- ASP Enterprises
- Berkel&Company*
- Checkmate Geosynthetics
- Geotechnology
- Ground Improvement Engineering*
- Hayes Drilling*
- HDR Engineering, Inc.* (Break sponsor only)
- Humboldt
- KC Piermasters*
- L.B. Foster
- Olsson Associates* (Break sponsor only)
- Lumbermen's
- Subsurface Constructors*
- Tensar*
- Terracon* (Break sponsor only)
- The Schemmer Associates*
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* - Special Thanks to our Refreshment Break Sponsors!

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MNACCARATO@TOPPING-OUT.COM		

Geotechnical Short Course

NEASCE is planning a one-day short course prior to the Geotechnical Conference. The course is planned for February 6th at the Scott Conference Center in Omaha. See the flyer below for additional information.

PROGRAM DESCRIPTION

The course presents the essentials of the Unified Method of deep foundations design for capacity, drag load, settlement, and downdrag for single piles, pile groups, and piled foundations. The presentations are illustrated with several case histories of testing and design analysis including how to evaluate strain-gage measurements from instrumented pile loading tests and to assess residual load. Settlement analysis is of vital importance to the design of piled foundations, and the course addresses principles of settlement analysis and how to calculate settlement of piled foundations supported on single piles, and small and large pile groups. Pertinent aspects of Load and Resistance Factor Design are discussed and some aspects of construction procedures are addressed.

A certificate verifying 7.5 Professional Development Hours will be provided to registered attendees.

WHO SHOULD ATTEND

All students and professionals who are involved in geotechnical exploration, design, construction, or observation.

This would include:

- Engineers/Geologists/Contractors
- University Instructors
- State Agencies
- Engineering/Construction Students

INFORMATION

ADMISSION to the short course is by registration. To ensure admission, complete the registration process early. To register, go to www.neasce.org or after January 8, 2014 and click on the GeoOmaha registration link.

REGISTRATION FEE is \$125.00 on or before January 30, 2014, \$150.00 after this date. A part of the proceeds benefit the ASCE funded Peck/Benak Engineering Achievement Scholarship, Future City Competition, and local ASCE Student Section.

THE REGISTRATION FEE covers coffee breaks, lunch and handout material.

REFUNDS will be made if the conference is canceled or if the applicant cancels no later than five working days prior to the conference date.

ASCE GEOTECHNICAL SHORT COURSE Basics of Design of Piled Foundations by

Bengt H. Fellenius
Dr. Tech., P.Eng

FEBRUARY 6, 2014
SCOTT CONFERENCE CENTER
OMAHA, NEBRASKA

LOCATION

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Nebraska Section

PRESENTS:

GEOTECHNICAL SHORT COURSE Basics of Design of Piled Foundations

By
Bengt H. Fellenius
Dr. Tech., P.Eng.

FEBRUARY 6, 2014
SCOTT CONFERENCE CENTER
OMAHA, NEBRASKA

MORNING SESSION

8:15 - 8:45 Registration, Scott Conference Center

8:45 - 9:00 Welcome and Introduction

9:00 - 10:30 Analysis of Load Transfer, Capacity, and Response to Load

10:30 - 10:45 BREAK

10:45 - 12:30 The Static Load Test: Performance, Analysis, and Instrumentation

12:30 - 1:30 LUNCH

AFTERNOON SESSION

1:30 - 3:15 Piles and Pile Groups: Long Term Behavior

3:15 - 3:30 BREAK

3:30 - 4:45 The Unified Design Method

4:45 - 5:30 Questions and Discussion

5:30 END

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Upcoming Meetings and Conferences (NEASCE)

Please save the dates for these upcoming NEASCE meetings and conferences. More information on these events will be provided later.

Geotechnical Conference

Friday, February 7th, 2014 at the Scott Conference Center (Omaha)

E-Week Banquet

Thursday, February 20th, 2014 at the Strategic Air & Space Museum (Ashland)

Annual Meeting

The ASCE Nebraska Section Annual Meeting will be held on May 8th. Look for more information on the annual meeting in upcoming months.

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