February Meeting
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
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 Selb  
John Hill  
Loras Klostermann  
Matt McConville  
Tom Franti  
Brandon Gardels  
Bill Arneson

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call: 402.651.1673  
web: groundimprovementeng.com

THE NEBRASKA CIVIL ENGINEER P:2
E-Week Banquet

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 iced 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
8600 Indian Hills Drive, Omaha, NE 68114
(Phone # 402-390-4473)
Questions: email eahunter@leoadaly.com

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<tr>
<th>Attendee’s Name(s)</th>
<th>Quantity</th>
<th>Menu Choice</th>
<th>Total Cost</th>
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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 Srinivasan, 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.

SPONSORED BY:
AMERICAN SOCIETY OF CIVIL ENGINEERS, NEBRASKA SECTION

IN COOPERATION WITH:
UNIVERSITY OF NEBRASKA
DEPARTMENT OF CIVIL ENGINEERING
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:
BRIAN HAVERS, PE (CHAIRMAN)
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THE NEBRASKA CIVIL ENGINEER
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" Emaad Farour, PE CH2M Hill
12:00 - 1:00  Lunch/Vendor Displays

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
- Berne&Company
- Checkmate Geosynthetics
- Geotechnology
- Ground Improvement Engineering
- Hayes Drilling
- HDR Engineering, Inc.* (Break sponsor only)
- Humboldt
- KC Piermasters*
- L.B. Foster
- Olson Associates* (Break sponsor only)
- Lumbermen's
- Subsurface Constructors*
- Tensar*
- Terraco* (Break sponsor only)
- The Schemmer Associates*
- Thiele Geotech* (Break sponsor only)
- Thrasher Basement Systems*
- Uretel*

* Special Thanks to our Refreshment Break Sponsors!

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.
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 down drag 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 on or after January 6, 2014 and click on the GeOmaha 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 Peddie/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
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.

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NEBRASKA SECTION

IN COOPERATION WITH:
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DEPARTMENT OF CIVIL ENGINEERING
AND THE COLLEGE OF ENGINEERING AND TECHNOLOGY

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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THE NEBRASKA CIVIL ENGINEER
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.
Thank you
to the businesses
that support this newsletter through their contributions.

For underwriting information, contact
Greg Seib, Fundraising Chair, at
(402) 458-5037 or gseib@olsonassociates.com