

## 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 Dan Brown, Frank Rausche, Scott Olson, Scott Mackiewicz, Bhooshan Karnik, Jean Louis Briaud and Kyle Rollins. 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 and mail early.

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.

MAKE your check out to:

ASCE NE Section, GEO-Omaha 2009

MAIL your registration and fee with the attached registration form to:

GEO-Omaha 2009 c/o Kleinfelder  
Attn: Mr. Brian Havens, P.E.  
3730 South 149<sup>th</sup> Street, Suite 107  
Omaha, NE 68144

## 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

# 26<sup>th</sup> ANNUAL GEOTECHNICAL SEMINAR

## GEO-Omaha 2009

FEBRUARY 13, 2009  
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](http://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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HWS CONSULTING GROUP

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UNIVERSITY OF NEBRASKA

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GEOTECHNICAL SEMINAR  
DEPARTMENT OF CIVIL ENGINEERING  
UNIVERSITY OF NEBRASKA  
OMAHA, NEBRASKA 68182



MAKE CHECK PAYABLE TO:

ASCE NE CHAPTER, GEO-OMAHA 2009

**ANNUAL GEOTECHNICAL SEMINAR**

GEO-Omaha 2009

DATE: FRIDAY, FEBRUARY 13, 2009

MAIL PAYMENT WITH THIS ATTACHMENT TO:

GEO-Omaha 2009 c/o Kleinfelder  
Attn: Mr. Brian Havens, P.E.  
3730 South 149<sup>th</sup> Street, Suite 107  
Omaha, NE 68144

FULL TIME STUDENTS please list

Name \_\_\_\_\_  
Title \_\_\_\_\_  
Phone (Area Code) \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

College \_\_\_\_\_ and \_\_\_\_\_  
class \_\_\_\_\_

Registration fee is \$150.00 on or before February 9, 2009, \$170.00 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.

D e t a c h & m a i l



**Nebraska Section**

PRESENTS:

**26<sup>th</sup> ANNUAL GEOTECHNICAL SEMINAR  
GEO-Omaha 2009**

**FEBRUARY 13, 2009  
SCOTT CONFERENCE CENTER  
OMAHA, NEBRASKA**

**MORNING SESSION**

- 7:30 - 8:00 Registration, Scott Conference Center
- 8:00 - 8:15 Welcome Address, Dr. Winnie Callahan
- 8:15 - 9:45 "Advances in the Construction and Design of Drilled Shaft Foundations"  
Dan Brown, Ph.D., P.E.  
Auburn University and Dan Brown and Associates, LLC  
Auburn, Alabama
- 9:45 - 10:15 "Skin Friction in Shale: Results of the Hwy. 81 Bridge, Yankton, SD Drilled Shaft Load Test"  
Scott Mackiewicz, Ph.D., PE  
Kleinfelder  
Lenexa, Kansas
- 10:15 - 10:45 Break/Vendor Displays
- 10:45 - 12:00 "Wave Equation Analysis of Pile Driving: Why and How"  
Frank Rausche, Ph.D.  
GRL Engineers, Inc.  
Cleveland, Ohio
- 12:00 - 1:00 Lunch/Vendor Displays

**AFTERNOON SESSION**

- 1:00 - 2:00 "Foundation Design Based on the Pressuremeter"

Jean-Louis Briaud, Ph.D., PE  
Texas A&M University  
College Station, Texas

- 2:00 - 2:45 "Lateral Load Analysis of Pile Groups Based on Full-Scale Testing"  
Kyle Rollins, Ph.D.  
Brigham Young University  
Provo, Utah
- 2:45 - 3:15 Break/Vendor Displays
- 3:15 - 4:15 "Seismic Liquefaction and Lateral Spreading Assessment for Transportation Projects"  
Scott Olson, Ph.D., PE  
University of Illinois  
Urbana-Champaign, Illinois
- 4:15 - 4:45 "Post-Grouted Drilled Shafts – Statnamic Testing"  
Bhooshan Karnik, PE  
CH2M Hill  
Des Moines, Iowa

**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:

- ♦ A.S.P. Enterprises\*
- ♦ Berkel & Company Contractors, Inc.\*
- ♦ Contech Construction Products, Inc.
- ♦ Carmeuse Lime Company\*
- ♦ Durham Geo/Slope Indicator\*
- ♦ Foundation Testing & Consulting, LLC\*
- ♦ Geopier Foundation Company
- ♦ Geotechnical Services, Inc. (sponsor only)\*
- ♦ Geotechnology, Inc.
- ♦ GRL Engineers, Inc.
- ♦ Hayward Baker, Inc.\*
- ♦ Humboldt Manufacturing Company
- ♦ Judy Company
- ♦ Kleinfelder (sponsor only)\*
- ♦ L. B. Foster
- ♦ Lumbermans
- ♦ Pile Dynamics, Inc.\*
- ♦ The Schemmer Associates, Inc.\*
- ♦ Structural Anchor Supply\*
- ♦ Subsurface Constructors\*
- ♦ Terracon Consultants
- ♦ Thiele Geotech, Inc. (sponsor only)\*
- ♦ Thrasher Basement Systems, Inc.\*
- ♦ Trautwein GeoTAC\*
- ♦ Uretak ICR Heartland\*
- ♦ Watkins Concrete Block Company\*

\* - Special Thanks to our Conference Break Sponsors