

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: Dr. Dan Brown, Dr. Timothy Stark, Mr. Silas Nichols, Mr. Woodward Vogt, Mr. Lowell Blankers, Mr. Jeff Bohlken, Dr. Xiong Zhang, Mr. Steve Saye, and Dr. Shannon Bartelt-Hunt. 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/conferences and click on the GeoOmaha registration link.

REGISTRATION FEE is \$175.00 on or before February 17, 2020, \$195.00 after this date. Full time students pay \$25.00. Proceeds benefit the ASCE funded Peck/Benak Engineering Achievement Scholarship, Future City Competition, and the local ASCE Student Sections.

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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AMERICAN SOCIETY OF CIVIL ENGINEERS,
NEBRASKA SECTION

IN COOPERATION WITH:

UNIVERSITY OF NEBRASKA
DEPARTMENT OF CIVIL ENGINEERING
AND THE COLLEGE OF ENGINEERING

37th ANNUAL GEOTECHNICAL SEMINAR

GEO-Omaha 2020

FEBRUARY 21, 2020
SCOTT CONFERENCE CENTER
6450 PINE STREET
OMAHA, NEBRASKA

PLANNING COMMITTEE:

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REGISTRATION FOR ANNUAL GEOTECHNICAL SEMINAR

GEO-Omaha 2020

DATE: FRIDAY, FEBRUARY 21, 2020

Registration is now online: Please go to www.neasce.org/conferences and click on the GeoOmaha registration link.

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GEOTECHNICAL SHORT COURSE (8 PDH)

TOPIC: *Quality Assurance in Drilled Shaft Construction*

DATE: Thursday, FEBRUARY 20, 2020
8:00 am to 5:15 pm

Location: Scott Conference Center, Omaha, NE
(Includes 1 hour of ethics)

Speakers: Dr. Dan Brown, Ph.D., PE. with DBA, Mr. Silas Nichols with FHWA, and Dr. Andy Boeckmann, Ph.D. with the University of Missouri

Reg. fee: \$150.00 (late \$165.00 after Feb. 13, 2020).

ETHICS COURSE (1 PDH)

TOPIC: *Hard Conversations: The Destructive Power of Conflict Avoidance and the Redemptive Power of Honesty*

DATE: Thursday, FEBRUARY 20, 2020
4:15 pm to 5:15 pm

Location: Scott Conference Center, Omaha, NE

Speakers: Mr. Mike J. Mann, Esq. and Michael Yost, Esq. with Terracon.

Reg. fee: \$20 ASCE members (\$30 Non-members)

Registration is now online: Please go to www.neasce.org/conferences



PRESENTS:

37th ANNUAL GEOTECHNICAL SEMINAR GEO-Omaha 2020

FEBRUARY 21, 2020

SCOTT CONFERENCE CENTER
6450 PINE STREET
OMAHA, NEBRASKA

MORNING SESSION

7:30 - 8:00 Registration

8:00 - 8:15 Welcome Address
Dr. Shannon Bartelt-Hunt, PhD.
Dept. of Civil and Env. Engr. Chair
University of Nebraska - Lincoln

8:15 – 9:20 “Lessons Learned about the Design and Construction of Large-Diameter Drilled Shafts”
Dan Brown, Ph.D., P.E.,
Dan Brown & Associates

9:30 – 10:30 “Highway Embankment on Soft Clay Case History: Prefabricated Vertical Drains and Stability Analyses”
Dr. Timothy Stark, Ph.D.,
University of Illinois

10:30 – 11:00 Break/Vendor Displays

11:00 – 12:00 “Addressing Risk through Improved Site Characterization”
Mr. Silas Nichols, P.E.
FHWA – Principal Geotech. Engr.

12:00 – 1:00 Lunch/Vendor Displays

AFTERNOON SESSION

1:00– 1:50 “Almost Fifty Years of Case Histories: What Lessons Have we Learned?”
Mr. Woodward L. Vogt, P.E., D.GE,
Paradigm Consultants, Inc. Houston, TX

2:00 – 3:00 “Rebuilding after a Historical Flood: A Delicate Balance Between Lessons Learned from the Past and Innovative Methods of Today to Respond to the 2019 Flooding Across the Missouri River Basin”
Mr. Lowell Blankers, P.E. & Mr. Jeff Bohlken, P.E., USACE- Omaha District

3:00 – 3:30 Break/Vendor Displays

3:30 - 4:15 “Use of Wicking Fabric to Dehydrate Road Embankment under Unsaturated Conditions”
Dr. Xiong Zhang, Ph.D., P.E.,
Missouri Univ. of Science & Tech.

4:15 – 5:00 “Applying SHANSEP Approach to In-situ Tests and Driven Pile Capacity Design in Cohesive soils”
Mr. Steve Saye, P.E.,
Kiewit Engineering Group, Inc.

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:

- ◆ Alfred Benesch & Company* (Sponsor only)
- ◆ A.S.P. Enterprises
- ◆ Atlas Foundation Company
- ◆ Geoprobe Systems
- ◆ Ground Improvement Engineering
- ◆ HDR Engineering, Inc.* (Sponsor only)
- ◆ ISG & Associates* (Sponsor only)
- ◆ Kiewit Foundation Group*
- ◆ Nicholson Construction Company
- ◆ Olsson Associates* (Sponsor only)
- ◆ Pile Dynamics, Inc.
- ◆ The Schemmer Associates, Inc.* (Sponsor only)
- ◆ Subsurface Constructors, Inc.
- ◆ Tensar
- ◆ Terracon* (Sponsor only)
- ◆ Thiele Geotech, Inc.* (Sponsor only)
- ◆ Thrasher
- ◆ Williams Form Engineering Corp.

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