

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 Barry Christopher, David Crapps, Richard Handy, Alan Lutenegger, Charles Mansur, James Mitchell, Jim Morrison, and Lok Sharma. 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 upon request.

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.

MAIL your registration and fee to:

Geotechnical Seminar
Department of Civil Engineering
University of Nebraska
Omaha, Nebraska 68182

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

21st ANNUAL GEOTECHNICAL SEMINAR

GEO-Omaha 2004

FEBRUARY 20, 2004
KIEWIT CONFERENCE CENTER
OMAHA, NEBRASKA

LOCATION

The Kiewit Conference Center is located at 13th and Farnam, across from the Central Park Mall, downtown Omaha, Nebraska. Parking is provided directly south of the Center in the Omaha Park II garage.

PLANNING COMMITTEE:

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



MAKE CHECK PAYABLE TO:

ANNUAL GEOTECHNICAL SEMINAR,
DR. JOSEPH BENAK

MAIL PAYMENT TO:

GEOTECHNICAL SEMINAR
DEPARTMENT OF CIVIL ENGINEERING
UNIVERSITY OF NEBRASKA
OMAHA, NEBRASKA 68182
PHONE: (402) 554-2463

FULL TIME STUDENTS please list

College _____ and _____
class _____

ANNUAL GEOTECHNICAL SEMINAR

GEO-Omaha 2004

DATE: FRIDAY, FEBRUARY 20, 2004

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

Registration fee is \$120.00 on or before February 6, 2004, \$140.00 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:

**21st ANNUAL GEOTECHNICAL SEMINAR
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**FEBRUARY 20, 2004
KIEWIT CONFERENCE CENTER
OMAHA, NEBRASKA**

MORNING SESSION

- 7:30 - 8:00 Registration, Kiewit Conference Center
- 8:00 - 8:15 Welcome, Dr. Ray Moore, UNL
- 8:15 - 9:15 "Pavement Subsurface Drainage Design"
Barry Christopher, Ph.D., PE
Independent Geotechnical Engineering Consultant
- 9:15 - 10:00 "Experience in Design, Construction, and Performance of Geotechnical Engineering Projects"
Charles Mansur, PE
Geotechnical Engineering Consultant
- 10:00 - 10:30 Break/Vendor Displays
- 10:30 - 11:15 "Seismicity and IBC Seismic Parameters"
Lok Sharma, Ph.D., PE
Terracon
- 11:15 - 12:00 "Post Liquefaction Remediation Of Earthquake Damaged Sites - Some Case Histories"
James K. Mitchell, Ph.D., PE
University Distinguished Professor, Emeritus, Department of Civil and Environmental Engineering
Virginia Tech
- 12:00 - 1:00 Lunch/Vendor Displays

AFTERNOON SESSION

- 1:00 - 1:45 "State-of-the-art Bridge Foundation Construction - Lessons Learned From Several Current Projects"
Jim Morrison, PE
Corporate Geotechnical Manager
Kiewit Engineering Company
- 1:45 - 2:30 "Lateral Stress and the Holy Grail"
Richard L. Handy, Ph.D., PE
Distinguished Prof. Emeritus, Dept. of Civil and Construction Engineering Iowa State University
- 2:30 - 3:00 Break/Vendor Displays
- 3:00 - 3:45 "A New Look at the Standard Penetration Test"
Alan Lutenegger, Ph.D., PE
Professor of Civil Engineering
University of Massachusetts – Amherst
- 3:45 - 4:30 "Practical Applications of the Marchetti Dilatometer"
David K. Crapps, Ph.D., PE,
Principal Engineer
David K. Crapps, 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:

- ♦ 3D Geophysics
- ♦ A.S.P. Enterprises*
- ♦ Berkel & Company Contractors, Inc.*
- ♦ Colog Division (Drilled Shaft Evaluation)*
- ♦ Contech Construction Products, Inc.*
- ♦ Durham Geo/Slope Indicator*
- ♦ Geopier Foundation Company*
- ♦ GEOTAC*
- ♦ Geotechnical Services, Inc. (sponsor only)*
- ♦ Geotechnology, Inc.
- ♦ Hayes Drilling Company*
- ♦ Hayward Baker, Inc.*
- ♦ Humboldt Manufacturing Company*
- ♦ Terracon*
- ♦ Vance Brothers*
- ♦ Watkins Concrete Block Company, Inc.*

* - Conference Break Sponsors