

CHICAGO GEOTECHNICAL LECTURE SERIES

The Chicago Geotechnical Lecture Series (formerly called the Soil Mechanics Lecture Series) was established in 1962 to educate the engineering community and keep them informed of recent developments in geotechnical and geoenvironmental engineering. The Geotechnical Lecture Series is sponsored by the Geotechnical Group of the Illinois Section of the American Society of Civil Engineers. Many nationally recognized experts in several areas of geotechnical and geoenvironmental engineering practice have presented papers in this Lecture Series. The themes of the past Lecture Series are given below:

- 1963 Foundation Construction in the Chicago Area
(Inaugural Lecture)
- 1964 Design of Structures to Resist Earth Pressure
- 1968 Foundation Engineering
- 1970 Observational Methods in Soil and Rock
Engineering
- 1973 Innovations in Foundation Construction
- 1974 Computer Applications in Foundation
Engineering and Construction
- 1976 Problems in Soil Mechanics and Foundation
Engineering
- 1978 Problems in Construction and Geotechnical
Engineering
- 1982 Groundwater Flow and Contamination Control
- 1986 Practice and Innovations in Geotechnical
Engineering
- 1988 Soil-Structure Interaction
- 1990 Geosynthetics in Geotechnics: State of the
Practice in Geomembranes and Geotextiles
- 1992 Geotechnical Aspects in Transportation
- 1994 Current Topics in Geotechnical and
Geoenvironmental Engineering
- 1996 Current Topics in Tunneling
- 1998 Innovations in Earth Retaining Systems
- 2000 Geotechnical Failures and Lessons Learned
- 2003 Geotechnical Performance Monitoring
- 2006 Geotechnical Aspects of Earth Retention
and Shoreline Protection
- 2008 Current Topics in Foundation Engineering

2010 Chicago Geotechnical Lecture Series Case Studies in Geotechnical Engineering

Friday • April 30, 2010
University of Illinois at Chicago
Student Center East Building, Illinois Room
750 South Halsted Street
Chicago, IL 60607

Organized by:
ASCE – Geotechnical Group



University of Illinois at Chicago



Cooperating Organizations:



Directions:

From the north/O'Hare Airport: Take the Kennedy Expressway, I-90 east. Continue on the Kennedy to the Dan Ryan, I-90/94 east. Exit at Taylor. Turn right (west) and travel one block to the intersection of Taylor and Halsted. Turn right (north) onto Halsted and travel one-half block.

From the west: Take the Eisenhower Expressway (I-290) to the Racine Avenue exit. Turn right (south) to Harrison Street. Turn left (east) onto Harrison and proceed to Halsted. Turn right (south) and go one block.

From the east: Take Harrison Street west to Halsted Street and turn (left) south onto the campus.

From the south: Take the Dan Ryan Expressway (I-90/I-94) and exit on Roosevelt Road. Turn left (west) on Roosevelt Road to Halsted Street; then turn right (north) on Halsted Street to the campus.

Parking: Public parking is available via a four-level covered lot on the NE corner of Taylor & Halsted streets opposite the conference building. The maximum daily parking fee is \$13.00

Public Transportation: Transit to conference location is available by Chicago Transit Authority (CTA) buses, Taylor #37 & Halsted #8 and by subway via the BLUELINE. Exit at UIC-Halsted and proceed south on Halsted Street (approximately a 5 minute walk)

Accommodations:

UIC Campus – Nearby Hotels:

Crown Plaza

733 W. Madison St, Chicago

Phone: (312) 829-5000 Fax: (312) 829-8151

Travel Lodge

65 East Harrison St, Chicago

Phone: (312) 427-8000

Holiday Inn

506 West Harrison St, Chicago

Phone: (312) 957-9100 Fax: (312) 957-0474

PROGRAM

7:00 am **Exhibitor set up**

7:15 - 8:00 am **Breakfast / Registration / Exhibitors**

8:00 – 8:10 am **Welcome – Fran Miller**

Session 1 – Moderator – Dr. Krishna Reddy, P.E.

8:10 – 9:00 am **“Pre-Design Geotechnical Evaluation of the Operating Industries, Inc. Superfund Site”**, Edward Kavazanjian, PhD, P.E., Professor, Department of Civil and Environmental Engineering Arizona State University

9:00 – 9:30 am **“Aluminum Waste Reactions in MSW Landfills”**, Timothy Stark, PhD, P.E., Professor, University of Illinois Champaign Urbana

9:30 – 9:55 am **Discussion with Panel Members**
Ed Kavazanjian, Arizona State University
Timothy Stark, University of Illinois Champaign
Gary Goodheart, Patrick Engineering, Inc.
Doug Herman, AECOM
John Seymour, GeoSyntec Consultants

9:55 – 10:15 am **Break / Exhibitors**

Session 2 – Moderator – Ms. Fran Miller, P.E.

10:15 – 11:05 am **“Geotechnical Solutions for Transportation Infrastructure”**, Vernon R. Schaefer, PhD., P.E., Professor of Civil Engineering Iowa State University

11:05 – 11:35 am **“Application of Intermediate Foundation@ Solutions for Transportation Structures”**, Kord Wissmann, PhD, P.E., President, Geopier Foundation Company, Inc.

11:35 am – 12:00 pm **Discussion with Panel Members**
Vernon Schaefer, Iowa State University
Kord Wissman, Geopier Foundation Company
Robert G. Lukas, Ground Engineering Consultants
Ray Franz, Hayward Baker, Inc.

12:00 pm - 1:10 pm **Lunch**

Session 3 – Moderator – Dr. Rich Finno, P.E.

1:10 – 2:00 pm **“What caused the Collapse of the Nicoll Highway, Singapore?”**, Andrew Whittle, PhD., P.E., Professor Massachusetts Institute of Technology

2:00 – 2:30 pm **“Shoring System Innovations in the Puget Sound Area, Washington”**, Gordon Denby, P.E., President, GeoEngineers, Inc.

2:30 – 2:55 am **Discussion with Panel Members**
Andrew Whittle, Massachusetts Institute of Technology
Gordon Denby, GeoEngineers, Inc.
Michael J. Garlich, Collins Engineers, Inc.
Safdar A. Gill, Ground Engineering Consultants
William H. Walton, AECOM

2:55– 3:15 pm **Break / Exhibitors**

Session 4 – Moderator – Mr. Met Seyhun, P.E.

3:15 – 4:05 pm **“Application of the Unified Design of Piled Foundations”**, Bengt H. Fellenius, Dr. Tech, P.Eng, Bengt Fellenius Consultants, Inc.

4:05 – 4:35 pm **“Driven Pile Cost Comparison for Two Large Wisconsin DOT Bridge Projects”**, Van E. Komurka, P.E., Wagner Komurka Geotechnical Group

4:35 – 5:00 pm **Discussion with Panel Members**
Bengt Fellenius, Bengt Fellenius Consultants, Inc.
Van Komurka, Komurka Geotechnical Group
Jerry F. Parola, Hayward Baker, Inc.
Mike Wysockey, Thatcher Foundations
Monoher Chawla, Chawla and Associates, Inc.

5:00 pm - **Closing Remarks/ Adjournment**

REGISTRATION AND EXHIBITORS

Registration: The full registration fee covers lecture attendance, breakfast, lunch and one copy of the conference proceedings. Registration fee is \$250 by April 9, 2010, \$300 after this date. Education and government employees pay \$125 by April 1st and \$175 after April 9th. Full time students (with student ID) pay \$50 by April 9th.,

Exhibitors: Firms are invited to exhibit your products, services or emerging technologies to the engineering community. The fee is \$500 per exhibit area (includes one seminar registration). For more information, please phone or email Fran Miller at 630-665-8585 or fmiller@geopier.com.

Name: _____

Company _____

Mailing address _____

Phone _____

Email _____

Exhibitor: Yes _____ or No _____

Total Enclosed: \$ _____

Payment: make check/money order payable to:
ASCE Geotechnical Group
Mail along with this registration form to:
Geo Services Inc.
c/o Mr. Julian Rueda
805 Amherst Court
Naperville, IL 60565
Phone (630) 305-9186