Seminar Information:

The Deep Foundations Institute and Geotechnical Society of Edmonton – Joint Deep Foundations Seminar

March 27, 2007
The Westin Edmonton
10135-100th Street
Edmonton, Alberta, T5J 0N7
Canada

Join DFI and GSE in beautiful Edmonton for an overview on Deep Foundation Design and Construction.

Registration Fee

Covers Seminar Attendance, Breaks, Lunch, Reception, Registration Materials and Handouts.

All attendees will receive a certificate verifying Professional Development Hours (PDH)*

** NY State Certified Hours Pending Approval*
** Florida Approval # 254*

Hotel Reservations

The Westin Edmonton
10135-100th Street
Edmonton, Alberta, T5J 0N7
Toll Free: 1-800-937-8461
Direct: (780)-426-3636
Fax: (780)-428-1454
www.westin.com/edmonton

Specify your affiliation with the Deep Foundations Institute to receive the special $139 CAD ($119 USD)* Room Rate!

**US rate is approximate per exchange rate at the time of printing. For current exchange rates, visit www.xe.com/ucc*

Room Rate subject to a March 5th cut-off and availability.

*** Hotel rate does not include a mandatory 11% tax. Parking and incidentals are at additional cost. Please contact hotel for additional services.*

For transportation from the airport contact Sky Shuttle at 780-465-8515 ($15.00 CAD One Way) or Yellow Cab Service at 780-462-3456 ($50.00 CAD)

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DFI Specialty Seminar

DFI Specialty Seminars are held to educate the industry on a variety of subjects. Whether it be a specific project or a specific technology, DFI's broad base of membership is responsible for producing programs that are interdisciplinary and practical.

Register online at www.dfi.org

The Deep Foundations Institute and the Geotechnical Society of Edmonton Present:

Deep Foundations Seminar

March 27, 2007

The Westin Edmonton

Edmonton, Alberta, Canada

In Cooperation With:

- The Geotechnical Society of Edmonton
- The Soils Mechanics and Foundation Division of the Canadian Geotechnical Society (SMFD/CGS)

Seminar Program*

7:30 - 8:00 Exhibitor Set-up

8:00 - 8:30 Registration / Speakers Prep
Continental Breakfast

8:30 - 8:35 Welcome & Introduction

8:35 - 9:20 Micropiles – The Southern Ontario Experience – *Jim Bruce, P.Eng.*
Geo-Foundations Contractors, Inc.

A recounting of the design of several significant micropile projects including the Art Gallery of Ontario, Pembroke Courthouse and Credit Valley Hospital. Presentation will include load test results and five years of market statistics for Southern Ontario.

9:20 - 10:05 Helical Piles – Design & Construction
Shawn Downey, CHANCE Civil Construction/Hubbell Power Systems

An overview of how to determine helical pile capacity and then ensure capacity during construction. Local case histories in Sherwood Park and Northern Alberta will illustrate typical helical pile projects.

10:05 - 10:35 Break & Exhibits

10:35 - 11:20 Timber Piling Design and Use in the Prairie Provinces – *Dean Matthews, P.E.*
Consultant to Timber Piling Council

Presentation will include a case history of a timber piling project in the Prairie Provinces as well as information on full scale tests of timber piles, design information in the Council's 150 page Timber Piling Design Manual (which will be made available free to participants), and other technical information.

11:20 - 12:05 Drilled Shaft Construction Methods
Jeff Grieder, P.Eng., Malcolm Drilling Co., Inc.

Presentation will describe the equipment and tools used to construct drilled shaft foundations. Due to the increasingly difficult site conditions, owners, designers and contractors must be aware of the latest advances in drilled shaft construction techniques. Wet, dry and cased shaft construction methods, as well as the fully cased oscillator method, will be discussed. Presentation will conclude with a case study of the C755 project currently under construction in Seattle, which has over 168 large diameter (8 and 10 foot) drilled shafts constructed with the full cased oscillator method to depths up to 110 feet below grade.

12:05 - 1:15 Lunch

1:15 - 2:00 Micropile: Design and Construction
Shane Farr, S.E., P.E., Hayward Baker

This presentation will provide an overview of the Geotechnical and Structural design processes for micropiles. Micropiles can be a very effective alternative to traditional deep foundation systems when site access and space are limited or as a supplement to existing foundations. Included in the discussion will be material properties, construction techniques, building code constraints and interaction considerations between the micropile and the rest of the structure.

2:00 - 2:45 Large Capacity Screw Piles – Design and Case Histories
Mamdouh Nasr, M.Eng., P.Eng.
ALMITA Manufacturing Ltd.

Presentation will introduce the different design methods for screw piles (Separate plates vs Cylindrical shear method). Results of fully instrumented screw piles tested in Alberta will be presented. The pile load test data for a research project in Barbados using screw piles to sustain large uplift forces in soft coral and loose sand, where expandable grout was used to obtain the pile uplift capacity, will also be presented.

2:45 - 3:15 Break & Exhibits

3:15 - 3:45 Driven Piles
David Borger, Skyline Steel LLC

Presentation of different types, materials, installation, testing, applications, and design for both driven foundation piles and sheet piles.

3:45 - 4:30 Statnamic Pile Load Testing – Equipment Updates and Review of the Testing Method
Michael D. Justason, M.Eng., P.Eng.
Bermingham Foundation Solutions

This presentation will review current practice for conducting Statnamic Pile Load Testing and introduce new developments in Statnamic equipment and analysis methods. Data from several projects involving tests on Drilled Shafts in the United States will be presented.

4:30 - 5:00 Question & Answer Session

5:00 - 6:00 Meet & Greet Reception in Exhibit Area

6:00 - 6:30 Exhibitor Breakdown

***Program Subject to Change**

Registration:

DFI-EGS Joint Deep Foundations Seminar

***Mail or Fax** (with credit card information) **to**:*

Deep Foundations Institute
326 Lafayette Avenue
Hawthorne, NJ 07506

E-mail: staff@dfi.org
Tel: 973.423.4030
Fax: 973.423.4031

Name: _____

Suffix (Jr., III) _____ Pro (P.E., PhD): _____

Organization: _____

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Organization Type? ☐ Contractor ☐ Engineer
☐ Services ☐ Material/Equipment Supplier ☐ Educational

☐ **Non-Member Seminar Registration $325.00** USD

☐ **Member Seminar Registration $275.00** USD

Circle: DFI
Geotechnical Society of Edmonton
Canadian Geotechnical Society

☐ ***Student Registration $50.00** USD
**Limited space available*

☐ **DFI Individual Membership $95.00** USD*
**Through Dec. 31, 2007*

☐ **Tabletop Exhibit $600.00** USD
Includes one attendee registration fee and one 6'x2' table

Total: $ _____

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Register online at www.dfi.org

Sorry, No Refunds after March 13, 2007