

Bouchedid, Michel/SEA

From: asceseattlesectiongeotechnicalgroup@seattlegeotech.talklist.com on behalf of Michel.Bouchedid@CH2M.com
Sent: Wednesday, March 09, 2011 2:12 PM
To: ASCE Seattle Section Geotechnical Group
Subject: Announcing the 2011 Spring Seminar and Short Course
Attachments: SpringShortCourse&SeminarFlier_2011.pdf; 2011_SpringSeminar_Exhibiting&Sponsoring.pdf

Dear Members of the ASCE Seattle Section Geotechnical Group/Seattle Geo-Institute Chapter,

It is my pleasure to announce the 28th Annual ASCE Seattle Section Geotechnical Group Spring Seminar "**Soft Ground Tunneling in Urban Environments**". This year we are again offering a 1-day short course in conjunction with the Spring Seminar. The short course topic is "**Fundamentals of Soft Ground Tunneling**".

Spring Seminar: Soft Ground Tunneling in Urban Environments

In recent years, major tunneling projects have been launched in the Seattle metropolitan area, the Alaskan Way Viaduct, the Brightwater Conveyance System, and the University-link tunnels being prominent examples. This year's seminar will focus on soft ground tunneling and the specific challenges of urban environments. The presentations will be given by prominent speakers from design, construction, and geotechnical firms, owners, and academia. The presentations will provide a synopsis of state-of-the-art tunneling techniques and highlight several national case studies. In addition, the seminar will include award presentations, panel discussion, exhibitors display, and hosted lunch and breaks. The seminar will be held on Saturday, April 30th, 2011 at the University of Washington campus at Kane Hall, Room 220. Seminar attendees will be eligible to receive 0.8 Continuing Education Units (CEU) or 8 Professional Development Hours (PDH). See attached Spring Short Course and Seminar Flier for more details.

Spring Short Course: Fundamentals of Soft Ground Tunneling

The one-day short course will be led by **Dr. Ed Cording**, Professor Emeritus, University of Illinois, Urbana-Champaign, with assistance from **Dr. Gregg Korbin**, consultant, **Robert "Red" Robinson**, L.E.G., of Shannon & Wilson, and **Sam Swartz**, P.E. of Jacobs Associates. Combined, the presenters have over 100 years experience in geotechnical engineering for tunnel projects. **Dr. Cording** will present methods of understanding ground conditions, ground behavior and their influence on pressurized face tunneling; prediction of tunneling-induced ground movement; building distortion; and methods of controlling ground movement and damage. **Dr. Korbin** will discuss pressurized face tunnel boring machines, including current development of mixed-mode machines. **Red Robinson** will discuss geotechnical exploration for tunnel projects including field and laboratory soil testing, ground characterization, and preparation of geotechnical data and baseline reports. **Sam Swartz** will discuss design of precast concrete segmental liners. The short course will be held at the Red Lion Inn, Bellevue. Course attendees will be eligible to receive 0.7 Continuing Education Units (CEU) or 7 Professional Development Hours (PDH). See attached Spring Short Course and Seminar Flier for more details.

Exhibiting and Sponsoring at the Spring Seminar

Attached is information regarding exhibiting and sponsoring at the seminar. Please note that exhibiting this year is slightly different than in years past in that the seminar will be held at Kane Hall and not the Husky Union Building (HUB) due to an ongoing renovation project at the HUB. If you are interested in exhibiting or sponsoring at the Seminar, please contact our secretary John Bickford johnb@dbmcm.com who will be coordinating the exhibiting and sponsorship efforts this year.

Registration

The preferred registration and payment methods for the Spring Seminar and Spring Short Course is through our website <http://www.seattlegeotech.org> using PayPal. For those who would like to pay by check, a registration form is included in the flier.

Regards,

Michel Bouchedid
President
ASCE Seattle Section Geotechnical Group/Seattle Geo-Institute Chapter
<http://www.seattlegeotech.org/>

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Fundamentals of Soft Ground Tunneling 1-Day Short Course - April 29, 2011

A one-day short course on the **Fundamentals of Soft Ground Tunneling** will be led by **Dr. Ed Cording**, Professor Emeritus, University of Illinois, Urbana-Champaign, with assistance from **Dr. Gregg Korbin**, consultant, **Robert "Red" Robinson, L.E.G.**, of Shannon & Wilson, and **Sam Swartz, P.E.** of Jacobs Associates. Combined, the presenters have over 100 years experience in geotechnical engineering for tunnel projects. **Dr. Cording** will present methods of understanding ground conditions, ground behavior and their influence on pressurized face tunneling; prediction of tunneling-induced ground movement; building distortion; and methods of controlling ground movement and damage. **Dr. Korbin** will discuss pressurized face tunnel boring machines, including current development of mixed-mode machines. **Red Robinson** will discuss geotechnical exploration for tunnel projects including field and laboratory soil testing, ground characterization, and preparation of geotechnical data and baseline reports. **Sam Swartz** will discuss design of precast concrete segmental liners. The short course will be held at the Red Lion Inn, Bellevue. Course attendees will be eligible to receive 0.7 Continuing Education Units (CEU) or 7 Professional Development Hours (PDH). For more information, please visit <http://www.seattlegeotech.org>.

Short Course Schedule

07:30 – 08:30 Registration and Continental Breakfast
08:30 – 09:30 From geology to tunnel ground behavior during shield tunneling. **Cording**
09:30 – 10:30 Pressurized face tunneling. **Korbin**
10:30 - 10:45 Morning Break
10:45 – 11:45 Exploration: geology and soil properties affecting design and construction. **Robinson**
11:45 – 12:30 Lunch (provided)
12:30 – 13:30 Ground movement and ground control for shield tunnels. **Cording**
13:30 – 14:30 Building distortion and damage. **Cording**
14:30 – 14:45 Afternoon Break
14:45 – 15:45 Design of segmental tunnel linings. **Swartz**
15:45 – 16:45 Discussion and summary of issues in soft ground tunneling. **All**

Short Course Location: Red Lion Hotel, 11211 Main Street
Bellevue, WA 98004. (425) 455-5240

28th Annual Spring Seminar

Soft Ground Tunneling in Urban Environments



**Saturday April 30, 2011
8:00AM – 5:00PM**

Sponsored by:
ASCE Seattle Section Geotechnical Group
www.seattlegeotech.org

Registration and Site Information

- Registration includes morning and afternoon refreshments, a box lunch, and a bound seminar program containing a CD with the seminar proceedings.
- It is advised to register as early as possible. Registration will be on a first-come first-served basis. Registration on the day-of seminar will be accepted only if space is available.
- Registration forms must be postmarked or received electronically by April 22, 2010, to ensure you have a seat. Refunds will not be provided. If you are unable to attend, you may send another person in your place.
- The seminar will be held at the Kane Hall room 220 auditorium at the University of Washington (UW) campus in Seattle. The exhibitor hall will be in room 225 across the hallway from room 220. Parking locations and maps are available on campus, check at the gate upon arrival. A map of the campus can also be found online at: www.washington.edu/home/maps/
- Seminar attendees will be eligible to receive 0.8 Continuing Education Units (CEU) or 8 Professional Development Hours (PDH).
- For additional information, please contact:
Ghada Ellithy at (206) 766-6466, or
e-mail: ghada.s.ellithy@usace.army.mil
Web site: <http://www.seattlegeotech.org>



**GEO-
INSTITUTE**
Seattle Chapter



ASCE
Seattle Section
Geotechnical Group

Registration Form

Please send one form for each registrant.
Use a photocopy for additional registrants

1. Registrant:

Name _____

Firm/Agency _____

Mailing Address _____

City/State/Zip _____

E-Mail Address _____

Daytime Phone (Please indicate area code) _____

2. Short Course and Seminar Fees

a. Short Course

- \$325 regular non-student registration
 \$75 student registration

b. Seminar

- \$150 regular non-student registration
 \$50 student registration
 \$50 Extra Seminar program and CD

- We accept Paypal/ credit card via our website:
www.seattlegeotech.org.

- If paying by check make payable to:
ASCE Seattle Geotechnical Group

3. Mail Your Check and This Form To:

ASCE Seattle Geotechnical Group
 c/o Dila Saidin, Lachel & Associates
 16300 Christensen Road, Suite 304,
 Tukwila, WA 98188. Tel: 206-244-3560

For Office Use Only

Date Rec'd: _____ Amount: _____

Check No. / Date: _____

Payer: _____

Spring Seminar Description

In recent years, major tunneling projects have been launched in the Seattle metropolitan area, the Alaskan Way Viaduct, the Brightwater Conveyance System, and the University-link tunnels being prominent examples. The ASCE Seattle Section Geotechnical Group is pleased to announce the 28th annual Spring Seminar titled “**Soft Ground Tunneling in Urban Environments**”. We invite you to join us and learn more about this topic. This year’s seminar will focus on soft ground tunneling and the specific challenges of urban environments. The presentations will be given by prominent speakers from design, construction, and geotechnical firms, owners and academia. The presentations will provide a synopsis of state-of-the-art tunneling techniques and highlight several national case studies. In addition, the seminar will include award presentations, panel discussion, exhibitors display, and hosted lunch and breaks.

Program Speakers and Schedule

Saturday, April 30th, 2011 Spring Seminar Schedule

07:30 – 08:00	Registration and Welcome
08:00 – 08:15	Opening and Introduction
08:15 – 09:00	The Present Reality and the Future Potential for Soft Ground Tunnelling in Urban Environments, <i>Keynote Speaker: Peter Chamley, ARUP</i>
09:00 – 09:45	Tunneling-Induced Ground Movement and Building Damage, <i>Ed Cording, Professor Emeritus UI</i>
09:45 – 10:15	Tunneling in Urban Environments: Challenges for Owners, <i>Judy Cochran, King County Wastewater Treatment Division</i>
10:15 – 10:45	Morning Break
10:45 – 11:15	Geotechnical Aspects of the Brightwater Tunnels, Microtunnels, and Portal Structures, <i>John Newby, CDM, and Ulf Gwildis, CDM</i>
11:15 – 11:45	A Case Study: Portland ESCSO Tunnel Project, <i>Grant Millener, Kiewit</i>
11:45 – 12:15	Urban Soft Ground Tunnels the Designer's Perspective, <i>Dan Adams, Jacobs Associates</i>
12:15 – 13:00	Lunch Break
13:00 – 13:15	Award Presentation
13:15 – 13:45	Settlement Considerations for Designing the Alaskan Way Tunnel, <i>Bill Hansmire, PB and David Sowers, WSDOT</i>
13:45 – 14:15	Soil Behavior Due To Sr99 Tunnel Excavation, <i>Estefania Puebla, Dragados</i>
14:15 – 14:45	SEM Design for the Devil's Slide Tunnels, <i>Heiner Sanders, ILF</i>
14:45 – 15:15	Afternoon Break
15:15 – 15:45	Accuracy of Belt Scale Weights: Over-Excavation and Voids-Location Determination, <i>Dick Sage, Sound Transit, and Red Robinson, Shannon & Wilson</i>
15:45 – 16:15	Conference Summary: Tunnel Risk Reduction, <i>Harvey Parker, consultant</i>
16:15 – 16:45	Q/A Session & Panel Discussion lead by <i>Harvey Parker</i>

Breakfast, Lunch, and coffee breaks in the morning and afternoon will be provided

ASCE Seattle Section Geotechnical Group – 2010/2011 Officers

Michel Bouchedid, PE <i>President</i>	Ghada Ellithy, PhD, PE <i>President-Elect</i>	John Bickford, PE <i>Secretary</i>	Farid Sariosseiri, PhD <i>Treasurer</i>	Tyler Stephens, PE <i>Education Chair</i>	Mike Lach, PE <i>Public Relations Chair</i>	Bob Metcalfe, PE, LEG <i>Membership Chair</i>
CH2M HILL 1100 112 th Ave NE, Suite 400 Bellevue, WA 98004	US Army Corps of Engineers Seattle District 4735 E. Marginal Way Seattle, WA 98134	DBM Contractors, Inc. 1220 S 356 th Street Federal Way, WA 98003	CDM 14432 SE Eastgate Way Suite 100 Bellevue, WA 98007	Shannon & Wilson 400 N 34 th Street Suite 100 Seattle, WA 98103	CDM 14432 SE Eastgate Way Suite 100 Bellevue, WA 98007	GeoEngineers 2924 Colby Avenue Everett, Washington 98201
(425) 233-3286 michel.bouchedid@ch2m.com	(206) 766-6466 ghada.s.ellithy@usace.army.mil	(253) 838-1402 johnb@dbmcm.com	(425) 519-8300 sariosseiri@cdm.com	(206) 695-6915 tjs@shanwil.com	(425) 519-8300 lachma@cdm.com	(425) 252-4565 metcalfe@geoengineers.com



Our annual ASCE Seattle Section Geotechnical Group Spring Seminar is fast approaching. This year’s seminar (on Saturday, April 30) is titled ‘**Soft Ground Tunneling in Urban Environments**’. A formal announcement will be coming out very soon. Similar to years past, we are looking for companies/organizations interested in exhibiting at this event and/or sponsoring during the various breaks and reception.

This year’s Spring Seminar is being held at Kane Hall (due to renovations at the Husky Union Building). The exhibiting room (room no. 225) will be directly across the hall from the lecture room (room no. 220). Due to the limited exhibiting space available, we have had to change some of the rules and regulations applicable to exhibiting in years past. These include:

Exhibiting:

- Exhibit booth is limited to **table-top exhibit setups only**. One 8-foot table will be provided at your exhibit space.
- Cost is \$500 per booth.
- Please indicate your top five choices. Booth designation is based on a first come basis.
- The exhibiting cost includes registration for one person.
- Power outlets will be available, but exhibitor will be required to provide necessary extension cords.

Sponsoring:

- Sponsorship “slots” are available as follows:
 - Registration, (4) slots
 - Morning Break, (4) slots
 - Lunch Break, (4) slots
 - Afternoon Break, (4) slots
 - Reception, (4) slots
- Cost is \$450 per slot
- Please indicate your top four choices. Sponsorship is based on a first come basis.

Coordination & Payment:

- Exhibiting and sponsorships are being coordinated by John Bickford. Contact information is listed in the footer.
- Please send your company contact(s) information for coordination purposes and publication in seminar handout.
- Please send an electronic copy (jpeg format) of your company logo to John Bickford to be included in seminar handout.
- All checks are to be made payable to the **ASCE Seattle Section Geotechnical Group** and sent to John Bickford one week prior to the event. If a check is not received, your reservation will be cancelled.

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Kane 225: Walker-Ames Room

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