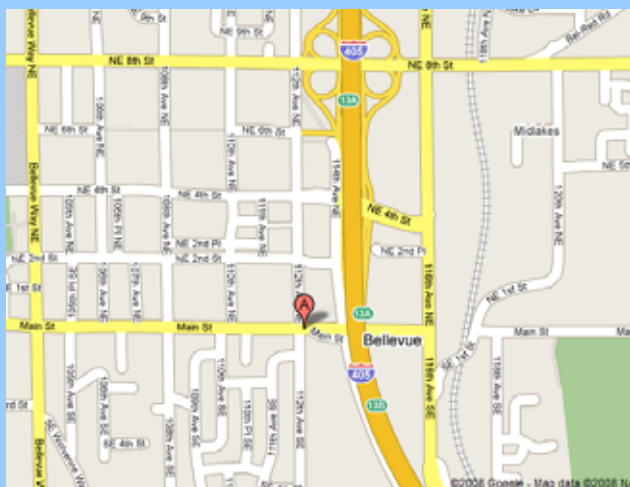


Registration and Venue Information

1. The **\$300** short course registration fee includes breakfast, break refreshments, lunch, and a binder with course materials. Student spots are available at **\$50/student** with proof of current student status (current student ID card or proof of university registration).
2. Advanced registration is requested. Registration will be on a first-come/first-served basis.
3. To reserve your spot, phone to Shannon and Wilson at 206-695-6793 and inform the receptionist that your call is in regards to the ASCE Short Course. This will reserve you a spot for one week, during which time we must receive your payment or your spot will be opened up for someone else. If making reservations for several participants, please provide the name of each participant.
4. Refunds will only be permitted if someone on the waiting list is willing to replace you. A \$50 handling fee will be deducted from refunds. If you are unable to attend, you may send another person in your place.
5. For additional information, please contact Ghada Ellithy by email at seminar@seattlegeotech.org, or phone to 206-695-6793.

Venue Location



Short Course

Seismic Site Response Analysis

Two-Day Short Course

*Thursday and Friday
November 12-13, 2009*

8:30AM – 4:30PM

Red Lion Inn

**11211 Main St
Bellevue, WA**

Sponsored by:

**ASCE Seattle Section
Geotechnical Group**

Course Description

This two-day short course will provide an opportunity to learn about site effects, ground motions and hazard analyses, ground motion selection and scaling, wave propagation and site response analysis, dynamic soil properties, 1-D and 2-D analyses, and future trends in site response evaluation.

The short course will be presented by Professors Steve Kramer and Pedro Arduino of University of Washington.

The short course is intended for geotechnical engineers and site civil engineers with an understanding of the fundamentals of earthquake engineering.

Course attendees will be eligible to receive 1.2 Continuing Education Units (CEU) or 12 Professional Development Hours (PDH).



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) _____

Please check the following box if you would like to be added to our group's email list.

2. Enclose Short Course Fee of \$300 (\$50 for full-time students)

Please make checks payable to:
ASCE Seattle Geotechnical Group

We accept Paypal/ Credit Card via our website: www.seattlegeotech.org.

3. Mail Your Check and This Form To:
ASCE Seattle Geotechnical Group
2009 Earthquake Engineering Course
c/o Ghada Ellithy
Shannon & Wilson, Inc.
400 N 34th Street, Suite 100
Seattle, WA 98103-8600

For Office Use Only

Date Rec'd: _____ Amount: _____
Check No./ Date: _____
Payer: _____

Short Course Speakers and Schedule

Speakers Bio

Dr. Pedro Arduino, Pedro Arduino received his B.S. from the Universidad Nacional de Córdoba, Argentina, in 1982, his MSCE from the University of Puerto Rico, PR in 1992, and his Ph.D. from the Georgia Institute of Technology in 1997. He joined the geotechnical group in the University of Washington Department of Civil Engineering in 1997. His primary research interests are in computational geomechanics with emphasis in constitutive modeling of soils, finite element analysis, application of meshless techniques to geotechnical problems, soil structure interaction, and hazard analysis. Arduino has also served as a consultant to private firms and government agencies in the U.S. and abroad.

Dr. Steve Kramer, Steve Kramer received his B.S., M.Eng., and Ph.D. degrees from the University of California, Berkeley in 1977, 1979, and 1985, respectively, and joined the geotechnical group in the University of Washington Department of Civil Engineering in 1984. His primary research interests include soil liquefaction, site response analysis, seismic slope stability, and hazard analysis. He is the author of the book *Geotechnical Earthquake Engineering* and co-developer of the computer programs, ProShake and EduShake. Kramer has served as a consultant to private firms and government agencies on earthquake-related projects in the U.S. and abroad.

Course Schedule

Thursday, November 12th, 2009

8:00 – 8:30 Registration
8:30 – 10:00 Introduction to site effects – Kramer
10:00 – 10:30 Break
10:30 – 11:30 Ground motions and hazard analyses – Kramer
11:30 – 1:00 Lunch
1:00 – 1:30 Ground motion selection and scaling – Kramer
1:30 – 2:30 Wave propagation and site response analysis – Arduino
2:30 – 3:00 Break
3:00– 4:00 Dynamic soil properties – Arduino

Friday, November 13th, 2009

9:00 – 10:30 1-D analyses – Kramer
10:30 – 11:00 Break
11:00 – 12:00 2-D analyses – Arduino
12:00 – 1:30 Lunch
1:30 – 2:15 Turkey Flat blind prediction test – Kramer
2:15 – 3:00 Response and performance analysis of a bridge on liquefiable soil – Arduino
3:00 – 3:30 Break
3:30 – 4:00 Future trends in site response evaluation – Kramer
4:00 – 4:30 Q & A – Arduino and Kramer

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

ASCE Seattle Section Geotechnical Group – 2009-2010 Officers

www.seattlegeotech.org

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