

**ASCE Seattle Section Geotechnical Group and Seattle Geo-Institute Chapter
and
University of Washington Department of Civil & Environmental Engineering**

**37th Annual Spring Seminar
“Dr. Steven L. Kramer Honorary Technical Symposium”
7:15 AM to 5:00 PM, May 13, 2023 at Kane Hall, University of Washington**

The ASCE Seattle Section Geotechnical Group / Seattle Geo-Institute Chapter is proud to announce our 37th annual Spring Seminar, which will be held on May 13th, 2023 at Kane Hall on the University of Washington campus. This year’s seminar will honor the career of Professor Steven L. Kramer, who retired from the University of Washington in 2020 after 36 years of immeasurable contributions to the geotechnical community. The seminar program will include presentations from Dr. Kramer’s colleagues, research collaborators, and former students.



Course attendees will be eligible to receive 0.7 Continuing Education Units (CEU) or 7 Professional Development Hours (PDH).

CONFIRMED SPEAKERS AND TOPICS

Doug Lindquist, PE, GE Haley & Aldrich, Seattle, WA	<i>Geotechnical Performance-Based Seismic Design for Tall Buildings</i>
Professor Brendon A. Bradley, PhD University of Canterbury, Christchurch, NZ	<i>Calibration, Validation, and Utilization of 3D Ground-motion Simulations in New Zealand</i>
Professor Ellen Rathje, PhD, PE University of Texas, Austin, TX	<i>Site Response Analysis: Does it Work?</i>
Professor Jonathan P. Stewart, PhD, PE University of California, Los Angeles, CA	<i>Next-Generation Liquefaction Project Approach and Preliminary Results</i>
Professor Ross W. Boulanger, PhD, PE, NAE University of California, Davis, CA	<i>Nonlinear Dynamic Analyses of Dams: Lessons and Challenges</i>
Professor Pedro Arduino, PhD University of Washington, Seattle, WA	<i>Numerical Modeling of Large Deformation Problems in Geotechnical Engineering: Challenges and Opportunities Using the Material Point Method (MPM)</i>
Andrew J. Makdisi, PhD, PE U.S. Geological Survey, Golden, CO	<i>Towards Improved Performance Objectives for Liquefaction Hazard Analysis</i>
Professor Shideh Dashti, PhD University of Colorado, Boulder, CO	<i>Considerations for the Mitigation of Earthquake-Induced Soil Liquefaction in Urban Environments</i>
Professor Jonathan D. Bray, PhD, NAE University of California, Berkeley, CA	<i>Performance-Based Seismic Assessment of Slope Systems</i>
Professor Misko Cubrinovski, PhD University of Canterbury, Christchurch, NZ	<i>System Effects on Liquefaction Response and Manifestation</i>



More Information at
<https://seattlegeotech.org/>



**ASCE Seattle Section Geotechnical Group and Seattle Geo-Institute Chapter
and
University of Washington Department of Civil & Environmental Engineering**

TENTATIVE PROGRAM

7:15 am	-	8:00 am	Check-in and Registration
8:00 am	-	8:10 am	Opening Remarks
8:10 am	-	8:45 am	<i>“Geotechnical Performance-Based Seismic Design for Tall Buildings”</i> Doug Lindquist, PE, GE, Haley & Aldrich
8:45 am	-	9:20 am	<i>“Calibration, Validation, and Utilization of 3D Ground-motion Simulations in New Zealand”</i> Professor Brendon A. Bradley, PhD, University of Canterbury, Christchurch
9:20 am	-	9:55 am	<i>“Site Response Analysis: Does it Work?”</i> Professor Ellen Rathje, PhD, PE, University of Texas, Austin
9:55 am	-	10:30 am	Morning Break
10:30 am	-	11:10 am	<i>“Next-Generation Liquefaction Project Approach and Preliminary Results”</i> Professor Jonathan P. Stewart, PhD, PE, University of California, Los Angeles
11:10 am	-	11:50 am	<i>“Nonlinear Dynamic Analysis of Dams: Lessons & Challenges”</i> Professor Ross W. Boulanger, PhD, PE, NAE, University of California, Davis
11:50 am	-	12:50 pm	Lunch Break
12:50 pm	-	1:00 pm	Afternoon Introductory Remarks
1:00 pm	-	1:35 pm	<i>“Numerical Modeling of Large Deformation Problems in Geotechnical Engineering: Challenges and Opportunities Using the Material Point Method (MPM)”</i> Professor Pedro Arduino, PhD, University of Washington, Seattle
1:35 pm	-	2:10 pm	<i>“Towards Improved Performance Objectives for Liquefaction Hazard Analysis”</i> Andrew J. Makdisi, PhD, PE, United States Geological Survey
2:10 pm	-	2:45 pm	<i>“Considerations for the Mitigation of Earthquake-Induced Soil Liquefaction in Urban Environments”</i> Professor Shideh Dashti, PhD, University of Colorado, Boulder
2:45 pm	-	3:25 pm	Afternoon Break
3:25 pm	-	4:05 pm	<i>“Performance-Based Seismic Assessment of Slope Systems”</i> Professor Jonathan D. Bray, PhD, NAE, University of California, Berkeley
4:05 pm	-	4:45 pm	<i>“System Effects on Liquefaction Response and Manifestation”</i> Professor Misko Cubrinovski, PhD, University of Canterbury, Christchurch
4:45 pm	-	4:55 pm	Reflections by Dr. Steven L. Kramer
4:55 pm	-	5:00 pm	Closing Remarks

REGISTRATION

\$250 Early Registration (before April 30th, 2023) \$300 After Registration Deadline

Register Today at <https://www.brownpapertickets.com/event/5757760>



More Information at
<https://seattlegeotech.org/>



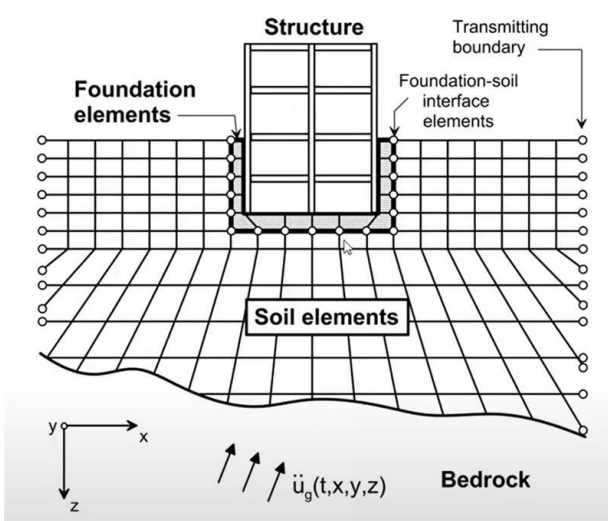
ASCE Seattle Section Geotechnical Group and Seattle Geo-Institute Chapter
and
University of Washington Department of Civil & Environmental Engineering

Annual Spring Short Course

Topic 1: Seismic Earth Pressures on Retaining Structures based on Soil-Structure
Interaction Principles

Topic 2: Liquefaction-Related Settlement of Structures

7:30 AM to 4:00 PM, May 12, 2023 at Columbia Tower, Seattle, Washington ([Directions](#))



The ASCE Seattle Section Geotechnical Group / Seattle Geo-Institute Chapter is proud to announce our annual Short Course, which will be held on May 12th, 2023. The Short Course will be held on the 76th floor of the Columbia Tower. The short course emphasis will be on seismic aspects of geotechnical analysis.

Topics may include estimating seismic earth pressures on retaining structures based on soil-structure interaction principles, seismic induced total and differential settlement, and seismic design and performance of ground improvements.

Course attendees will be eligible to receive 0.7 Continuing Education Units (CEU) or 7 Professional Development Hours (PDH).

CONFIRMED SPEAKERS AND TOPICS

Professor Jonathan P. Stewart, PhD, PE
University of California, Los Angeles, CA

Seismic Earth Pressures on Retaining Structures based on Soil-Structure Interaction Principles

Professor Shideh Dashti, PhD
University of Colorado, Boulder, CO

Liquefaction-Related Settlement of Structures

REGISTRATION

\$400 Early Registration (before April 30th, 2023) \$450 After Registration Deadline

Register Today at <https://www.brownpapertickets.com/event/5757814>



More Information at
<https://seattlegeotech.org/>

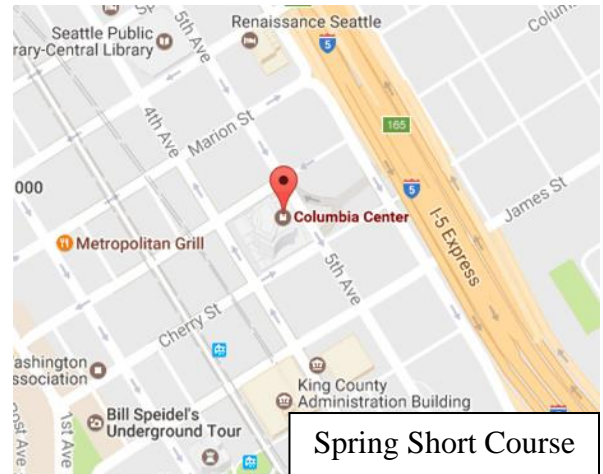


ASCE Seattle Section Geotechnical Group and Seattle Geo-Institute Chapter
and
University of Washington Department of Civil & Environmental Engineering

Registration and Site Information

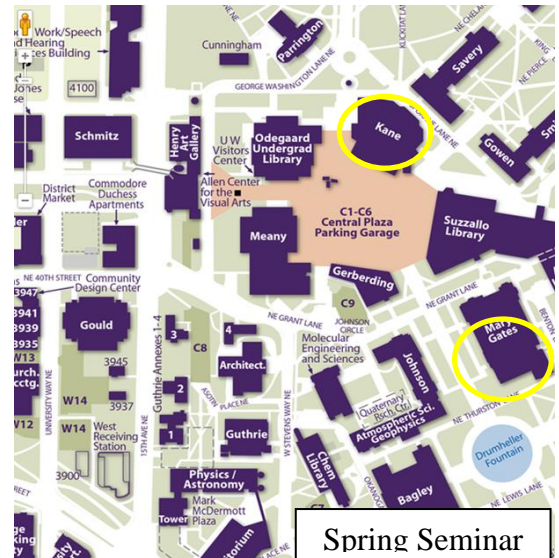
- **Register via Brown Paper Tickets**
<https://www.brownpapertickets.com/event/5757760> (Spring Seminar)
<https://www.brownpapertickets.com/event/5757814> (Short Course)

- **Register early.** 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 includes** morning and afternoon refreshments, lunch, and a bound seminar program containing and electronic access to the presentations for both the short course and seminar.
- The **Spring Short Course** will be held on Friday May 12th, 2023 at the Columbia Tower Club, 701 5th Ave, Seattle, WA 98104. The closest parking is in the Columbia Tower Parking Garage for a fee.



- The **Spring Seminar** will be held on Saturday May 13th, 2023 at the Kane Hall Room 120 and Walker Ames, with lunch provided in Mary Gates Hall at the University of Washington Campus in Seattle. The closest parking on campus is at the Central Plaza Parking Garage for a fee. A map of the campus can also be found online at: <https://www.washington.edu/maps/>

- For additional information about the Short Course and Spring Seminar contact Carson Cheung at (Carson.Cheung@Seattle.gov).
- To be an **Exhibitor and/or Sponsor** for the Spring Seminar please contact Michael Senior at (mseior@schabel-eng.com) or Carson Cheung at (Carson.Cheung@Seattle.gov).
- To be a **Volunteer** please contact Carson Cheung at (Carson.Cheung@Seattle.gov).



More Information at
<https://seattlegeotech.org/>

