

ASCE Seattle Section Geotechnical Group and Seattle Geo-Institute Chapter

34th Annual Spring Seminar “Ground Improvement”

April 22, 2017 at Kane Hall, University of Washington ([Directions](#))

The ASCE Seattle Section Geotechnical Group is pleased to announce our 34th annual Spring Seminar. Following completion of our first of its kind document “Commentary Guidelines for Ground Improvement Using Discrete Elements”, this year’s topic is Ground Improvement and will many types and aspects of ground improvement. The full day seminar will be held on Saturday, April 22, 2017 on the University of Washington campus in Seattle, Washington.

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

\$200 Early Registration (before April 7, 2017)

\$250 After Registration Deadline

\$75 Students

7:00 AM - 8:00 AM Check-in and Registration

8:00 AM - 8:10 AM Opening Remarks

8:10 AM - 9:00 AM “*On the Performance of Ground Improvement during Strong Earthquakes – Observations and Lessons Learned*” **Juan Baez - AGI**

9:00 AM - 9:30 AM “*Up-scaling of Bio-mediated Calcite Precipitation for the Improvement of Granular Soils*”
Mike Gomez – University of Washington

9:30 AM - 10:00 AM... “*Effect of lattice-shaped ground improvement geometry on seismic response of liquefiable soil deposits via 3-D seismic effective stress analysis*”
Brendon Bradley – University of Canterbury

10:00 AM - 10:30 AM... Morning Break

10:30 AM - 11:20 AM... “*30 years of lessons learned in geotechnical construction*”
George Burke – Hayward Baker

11:20 AM - 12:00 PM... “*Deep Foundations DBA (Doing Business As) Ground Improvement*”
Dominic Parmantier – Condon Johnson

12:00 PM - 1:00 PM... Lunch Break

1:00 PM - 1:10 PM..... Award Presentation

1:10 PM - 2:00 PM..... “*Rammed Aggregate Pier Ground Improvement as a Liquefaction Mitigation Method in Sandy and Silty Soils*” **Dr. Kord Wissmann – Geopier**

2:00 PM - 2:50 PM.... “*Quality Control criteria for ground improvement*” **Peter Robertson – Gregg In Situ**

2:50 PM - 3:20 PM.... Afternoon Break

3:20 PM - 4:00 PM.... “*Ground Freezing Case Histories*” **Ulf Gwildis – CDM Smith, Aaron McCain – Soil Freeze**

4:00 PM - 4:10 PM.... “*SDCI Update*” **Jim Mattoon & Susan Chang – City of Seattle**

4:00 PM - 5:00 PM.... “*Panel Discussion*” – (Burke, Baez, TBD)

5:00 PM - 5:05 PM.... Closing Remarks



Register Today at
<http://www.seattlegeotech.org>



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Registration and Site Information

- Register via Brown Paper Tickets:
Seminar: <http://springseminar.brownpapertickets.com/>
Short Course: <http://shortcourse.brownpapertickets.com/>
or find the links at: <http://www.seattlegeotech.org>. For groups with multiple attendees that would prefer to pay by check, first register via Brown Paper Tickets, and then mail the check with names of registered attendees for the Short Course and/or Seminar to:

ASCE Seattle Geotechnical Group
c/o Dila Saidin
5147 47th Ave NE
Seattle WA 98105



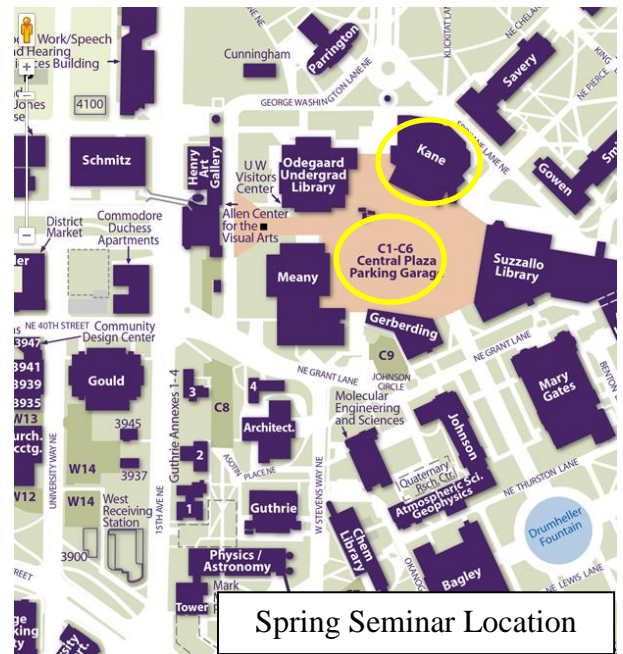
- It is advised to register as early as possible. Registration will be on a first-come first-served basis. Registration on the day-of seminar will be accepted only if space is available.
- For both the short course and seminar, registration includes morning and afternoon refreshments, lunch, and a bound seminar program containing and electronic access to the presentations.

- The Spring Short Course will be held at the Columbia Tower Club, 701 5th Ave, Seattle, WA 98104.
- For additional information about the Spring Short Course please contact Steve Johnson at 206.472.0311 (stephen.johnson@sixense-group.com).

- The Spring Seminar will be held at the Kane Hall Room 120 at the University of Washington Campus in Seattle. The Exhibitor Hall will be in Kane Hall Room 225. 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: www.washington.edu/home/maps/

- For additional information about the Spring Seminar contact Ben Blanchette at 206.826.4578 (ben.blanchette@hartcrowser.com).

- To be an Exhibitor and/or Sponsor for the Spring Seminar please contact Steve Johnson at 206.472.0311 (stephen.johnson@sixense-group.com).



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Spring Short Course: Ground Improvement Techniques & Design Aspects

April 21st, 2017
Columbia Tower Club – Seattle, WA

The ASCE Seattle Geotechnical Group & Geo-Institute Seattle Chapter are proud to bring you a Spring Short Course covering Ground Improvement Techniques and Design Aspects. A special thanks to Hayward Baker International, Menard Group USA, Condon-Johnson & Associates, and Advanced Geosolutions for collaboration.

Please join us at the Columbia Tower Club on Friday before the Spring Seminar, for a day filled with learning, networking, and good times at the tallest building in Seattle. The Spring Short Course will cover various topics related to ground improvement methods and theoretical design. We plan for 7 teaching periods throughout the day, with contribution from all of our hosts.

Topics and Schedule:

7-7:30	Registration and Breakfast
7:30-8	Introduction and GI Document Summary
8-8:45	Teaching Period 1 (Menard – wick drain, EQ drains)
8:45-9:30	Teaching Period 2 (HBI – soil mixing design)
9:30-9:45	Coffee and Snack Break
9:45-10:30	Teaching Period 3 (CJA – grouting methods)
10:30-11:15	Teaching Period 4 (HBI – aggregate pier design)
11:15-12:15	Lunch
12:15-1:00	Teaching Period 5 (Menard – design of rigid inclusions)
1:00-1:45	Teaching Period 6 (CJA – design confirmation, testing methods)
1:45-2:00	Coffee and Snack Break
2:00-2:45	Teaching Period 7 (AGI – earthquake induced liquefaction)
2:45-3	Conclusion

Attendees will be eligible for (6) professional development hours or (.6) continuing education units. Admission includes breakfast, lunch, and parking in the Columbia Center Garage (7am-4pm). Garage entrance is located on Columbia Street, between 4th and 5th avenue.

Date:	April 21st, 2017	7am – 3pm
Location:	Columbia Tower Club, Columbia Center - 76th Floor	
	701 5th Ave, Seattle, WA 98104	
Cost:	General Admission	\$325 (before April 7th, 5pm)
	Late Registration	\$400
	Students	\$75

For additional information and inquiries: Stephen.Johnson@sixense-group.com
www.SeattleGeotech.org

