

# ASCE Seattle Section Geotechnical Group and Seattle Geo-Institute Chapter

## 38th Annual Spring Seminar 7:00 AM to 4:15 PM, April 20, 2024 at Hideaway Cellars in Seattle

The ASCE Seattle Section Geotechnical Group / Seattle Geo-Institute Chapter is proud to announce our 38<sup>th</sup> annual Spring Seminar, which will be held on April 20<sup>th</sup>, 2024 at Hideaway Cellars in Seattle. This year's seminar will be on the topic of Slope Stability and Stabilization. The seminar program will cover best practices, databases and tools, case studies, and lessons learned.

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

### CONFIRMED SPEAKERS AND TOPICS

**Tom Westover, PE, MBA**  
Cornforth Consultants, Portland, OR

*A Pacific Northwest Approach to Landslide Interpretation, Investigation, Analysis, and Mitigation Methods*

**Oliver Hoopes, PE**  
Shannon and Wilson, Seattle, WA

*Shear Strength of Puget Sound Glacially Overconsolidated Clays*

**Darren Beckstrand, LG, LEG**  
Cornforth Consultants, Portland, OR

*Landslide Monitoring and Instrumentation*

**Erich Herzig**  
University of Washington

*Landslides Induced by a Seattle Fault Earthquake*

#### Panel Discussion

- Moderator: Lorne Arnold, UW Tacoma
- Panelists: Susan Chang, SDCI; Mark McGinnis, Geotech Consultants; Kevin Bodnar, Geo Pacific; Lindsay Flangas, GeoEngineers; Calvin McCaughan, Sage Geotechnical

*State of Practice for development of shear strength parameters and analysis methods for small to midsize projects in Seattle and similar geologic regions*

**Marc Fish, LEG**  
WSDOT, Olympia, WA

*WSDOT Landslide Mitigation and Repair Projects – Structural, Engineering Geology, and Civil Engineering Solutions*

**Ryan Berg, PE, BC.GE**  
Ryan R. Berg & Associates, Woodbury, MN

*Yeager Airport RSS Failure: Forensic Investigation and Lessons Learned*

**Joel Kriwinski**, Condon Johnson and Associates;  
**Josef Tootle, GE, ENGEO**

*San Clemente Landslide Repair at Cypress Shore*

**Mark Rohrbach, PE, GE, P.Eng**, RAM GeoServices;  
**Adam Horton**, Keller; and **John Bingham, PE**, Haley & Aldrich

*Issaquah Talus 9 Landslide Repair*

**Garrett Miller, P.Eng**  
BGC Engineering, Vancouver, BC

*Highway 99 – Ten Mile Slide Stabilization*

### REGISTRATION

Registration information and details are available at <https://seattlegeotech.org>.



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



# ASCE Seattle Section Geotechnical Group and Seattle Geo-Institute Chapter

## Annual Spring Short Course

**Topic 1: Characterization and Implementation of the Cyclic Resistance of Transitional Silts**

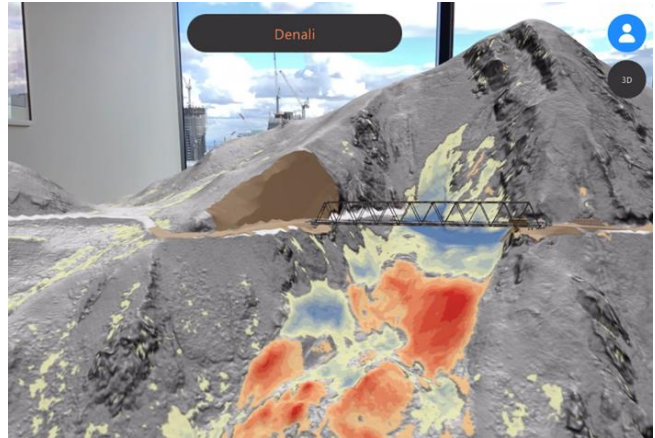
**Topic 2: Navigating Landslides – From Detection to Augmented Reality Solutions**

**8:00 AM to 4:00 PM, April 19, 2024 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 April 19<sup>th</sup>, 2024. The Short Course will be held on the 76<sup>th</sup> floor of the Columbia Tower. The short course emphasis will be on tools for slope stability projects.

Topics may include tools for using the PacNW Silt Database and how to model dynamic response of Transitional Silts, and detecting, visualizing, and monitoring landslides.

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



### CONFIRMED SPEAKERS AND TOPICS

**Armin Stuedlein, PhD, PE**

Oregon State University, Corvallis, OR

*Characterization of Cyclic Strength of Transitional Silts*

**Arash Khosravifar, PhD, PE**

Portland State University, Portland, OR

*Dynamic Archive of Cyclic Shear and Post-Cyclic Tests on Transitional Silt*

**Michael Beaty, PhD, PE, GE**

Beaty Engineering, Beaverton, OR

*Modeling – Appropriate Inputs, Interpretations, and Case Histories*

**Brian Collins, PE**

BGC Engineering, Golden, CO

*Introduction to Detection and Augmented Reality (AR) Solutions to Landslides, Creating and Using 3D Subsurface Models, and AR/VR Examples in Practice*

**Zac Sala, EIT**

BGC Engineering, Vancouver, BC

*Regional to site level 3D and 4D remote sensing methods*

**Julia Frazier, PG**

BGC Engineering, Golden, CO

**Keith Lay & Gerald Magnusson, CSPO, CSM**

Clirio Inc., Vancouver, BC

*AR/VR Demonstrations*

### REGISTRATION

Registration information and details are available at <https://seattlegeotech.org>.



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# ASCE Seattle Section Geotechnical Group and Seattle Geo-Institute Chapter

## Schedule Breakdown

### April 19, 2024 - Short Course Schedule

Time	Presenter	Description
7:00 – 7:45	Registration and Breakfast	
7:45 – 8:00	Opening Remarks	
8:00 – 9:00	Armin Stuedlein	Characterization of Cyclic Strength of Transitional Silts
9:00 – 10:00	Arash Khosravifar	Data Archive of Cyclic Shear and Post-Cyclic Tests on Transitional Silt
10:00 – 10:15	Morning Break	
10:15 – 11:15	Mike Beaty	Modeling – Inputs, Interpretation & Case Histories
11:15 – 11:45	Q&A	
12:00 – 1:00	Lunch	
1:00 - 1:15	Brian Collins	Introduction and learning outcomes
1:15 - 2:30	Zac Sala and Julia Frazier	Regional to site level 3D & 4D remote sensing methods
2:30 - 2:45	Afternoon Break	
2:45 - 3:00	Brian Collins	Creating and using 3D subsurface models
3:00-4:00	Brian Collins	Visualization methods (AR/VR examples in practice, why AR/VR)
4:00-5:00	Keith Lay and Gerald Magnusson	AR/VR Demonstrations

### April 20, 2024 - Spring Seminar Schedule

Time	Presenter	Description
7:00 – 8:00	Check-in and Registration (Sponsored)	
8:00 – 8:10	Opening Remarks	
8:10 – 9:00	Tom Westover	A Pacific Northwest Approach to Landslide Interpretation, Investigation, Analysis, and Mitigation Methods
9:05 – 9:30	Oliver Hoopes	Shear Strength of Puget Sound Glacially Overconsolidated Clays
9:30 – 10:00	Darren Beckstrand	Landslide Monitoring and Instrumentation
10:00 – 10:15	Afternoon Break (Sponsored)	
10:15 – 10:45	Erich Herzig	Landslides Induced by a Seattle Fault Earthquake
10:45 – 11:45	Panel	State of Practice for development of shear strength parameters and analysis methods for small to midsize projects in Seattle and similar geologic regions
11:45 – 12:45	Lunch (Sponsored)	
12:45 – 1:15	Marc Fish	WSDOT Landslide Mitigation and Repair Projects – Structural, Engineering Geology, and Civil Engineering Solutions
1:15 – 2:15	Ryan Berg	Yeager Airport RSS Failure: Forensic Investigation and Lessons Learned
2:15 – 2:30	Afternoon Break (Sponsored)	
2:30 – 3:00	Joel Kriwinski, Josef Tootle	San Clemente Landslide Repair at Cypress Shore
3:00 – 3:30	Marc Rohrbach, Adam Horton, and John Bingham	Issaquah Talus 9 Slide Repair
3:30 – 4:00	Garrett Miller	Highway 99 Ten Mile Slide Stabilization
4:00 – 4:15	Closing Remarks	



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



## Registration and Site Information

- **Register via Brown Paper Tickets.** Registration information and details are available at <https://seattlegeotech.org>.
- **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 April 19<sup>th</sup>, 2024 at the Columbia Tower Club, 701 5<sup>th</sup> Ave, Seattle, WA 98104.
- The **Spring Seminar** will be held on Saturday April 20<sup>th</sup>, 2024 at Hideaway Cellars, 4130 1<sup>st</sup> Ave. S., Seattle, WA, 98134. There is a large parking lot on site with plenty of free street parking around the neighboring blocks.
- For additional information about the Short Course and Spring Seminar contact Michael Senior at ([mseior@schnabel-eng.com](mailto:mseior@schnabel-eng.com)).
- To be an **Exhibitor and/or Sponsor** for the Spring Seminar please contact Michael Senior at ([mseior@schnabel-eng.com](mailto:mseior@schnabel-eng.com)) or Alec Anderson at ([Alec.Anderson@cmc.com](mailto:Alec.Anderson@cmc.com)).
- To be a **Volunteer** please contact Michael Senior at ([mseior@schnabel-eng.com](mailto:mseior@schnabel-eng.com)).

