

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

## 39th Annual Spring Seminar

**8:00 AM to 4:30 PM, May 17, 2025 at Hideaway Cellars, Seattle, Washington**

The ASCE Seattle Section Geotechnical Group / Seattle Geo-Institute Chapter is proud to announce our 39<sup>th</sup> annual Spring Seminar, which will be held on Saturday, May 17, 2025 at Hideaway Cellars in Seattle. This year's seminar will be on the topic of Risk and Resiliency for Changing Climate and Natural Hazards. 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

#### **Paul Santi, Ph.D.**

Colorado School of Mines, Golden, CO

*Introduction to the Growing Threat of Post-Fire Debris Flow*

#### **Katelyn Card**

WSDOT, Tacoma, WA

*Post-Wildfire Effects on Geotechnical Assets*

#### **Cody Chausse, LG**

WSDOT, Tacoma, WA

*Bolt Creek Fire: Post-Wildfire Debris Flow Risk Assessment and Barrier Design on US2, Near Grotto, WA*

#### **Ben Leshchinsky, Ph.D.**

Oregon State University, Corvallis, OR

*Surface Monitoring and Analysis of Slow-Moving Landslides in Oregon*

#### **Alena Raymond, Ph.D., P.E.**

AmSpec Group, Arcata, CA

*Life Cycle Assessment in Geotechnical Engineering*

#### **Cale Ash, P.E., S.E., Degenkold Engineers; Dan**

**Tristler, P.E. Haley & Aldrich, Micah Hintz,**

**P.E., G.E., Haley & Aldrich**

*Tsunami Resistant Design Requirements*

#### **Ali Reza Firoozfar, Ph.D., PE**

Seattle City Light, Seattle, WA

*Wildfire Impacts on Hydropower Projects: Risks, Resilience and Adaption Strategies – Lessons from the 2023 Sourdough Fire*

#### **Mike Greenfield, Ph.D., P.E.**

Greenfield Geotechnical LLC, Portland, OR

*Addressing Uncertainties in Subsurface Conditions for Liquefaction Hazard Assessment*

### 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

**8:00 AM to 4:00 PM, May 16, 2025 at Columbia Tower, Seattle, Washington**

The ASCE Seattle Section Geotechnical Group / Seattle Geo-Institute Chapter is proud to announce our annual Short Course, which will be held on May 16, 2025. 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 post fire debris flow and stabilization.

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

### CONFIRMED SPEAKERS AND TOPICS

#### **The Growing Threat of Post-Fire Debris Flows: Understanding, Predicting, and Mitigating for Risk Management and Resilient Communities, Paul Santi, Ph.D. (Colorado School of Mines)**

Post-fire debris flows are a hazard that has been dramatically increasing over the last 40 years, both in occurrence and in the research and tools available to predict and manage them. In this short course we will start by reviewing the characteristics of these events in terms of initiation, transport and deposition. Recent scientific tools will be presented that allow us to predict the locations, triggering mechanisms, discharge rate, volume, speed, flow paths and inundated areas. Next, mitigation methods and effectiveness will be reviewed, with examples from a variety of settings, so that participants will be able to design the optimal packages to reduce risks. Finally, changes induced by wildfire will be discussed in detail, along with the effects of changing climate conditions. At the end of this course, participants will have an intuitive understanding of debris flows, especially in post-fire situations, with technical tools and technical references for hazard management.



### REGISTRATION

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



More Information at  
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## 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, May 16, 2025 at the Columbia Tower Club, 701 5<sup>th</sup> Ave, Seattle, WA 98104.
- The **Spring Seminar** will be held on Saturday, May 17, 2025 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 Jackie Bronner ([jackie.bronner@seattle.gov](mailto:jackie.bronner@seattle.gov)).
- To be an **Exhibitor and/or Sponsor** for the Spring Seminar please contact Jackie Bronner ([jackie.bronner@seattle.gov](mailto:jackie.bronner@seattle.gov)) or Alec Anderson ([aanderson@geopierenorthwest.com](mailto:aanderson@geopierenorthwest.com)).
- To be a **Volunteer** please contact Jackie Bronner ([jackie.bronner@seattle.gov](mailto:jackie.bronner@seattle.gov)).

