

NISQUALLY CHAPTER OF THE
ASSOCIATION OF ENVIRONMENTAL &
ENGINEERING GEOLOGISTS

The Official

AEG Nisqually Chapter Newsletter

Meeting Details

Tuesday February 13th

Location: Mercato Ristorante

111 Market St NE

Olympia, WA

6:00 pm Social

7:00 pm Presentation

Dinner: Pizza and Salad

\$25 Member or Non-Member

\$15 Educators or Job Seekers

\$5 Student

Virtual attendance is free

Upcoming Meetings:



ADVANCES IN ROCKFALL PROTECTION: A NEW DESIGN TOOL FOR ATTENUATORS

Attenuators are a passive rockfall protection solution sometimes described as a flexible rockfall barrier with a prolonged draped tail. To date there is no formal solutions to their design. In comparison to classical flexible rockfall barriers where only translational kinetic energy is considered and the rockfall is stopped completely; attenuators present a design challenge wherein both the rotational and translational component of rockfall must be considered. In addition, Attenuator Systems are not stopping the rockfall, rather changing the trajectory and moderating the velocity. In order to develop a dimensioning concept that addresses these dynamics, it is important to fully understand the attenuation process. A joint research program between Wyllie & Norrish Rock Engineers, Ltd. in Canada, Geobruigg North America, LLC, and Geobruigg AG, Switzerland investigated this process. The loading of the system, the attenuation processes and the importance of the rotational component have been analysed in full-scale testing over a three-year period, on a site in British Columbia. Rock motion dynamics are compared between those extracted from the accelerometer and gyroscope sensors embedded in the test blocks, high speed video analysis and rockfall simulations. These analyses provide the foundations with which a dimensioning tool has been created.

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Please RSVP by 4 pm Monday, February 12th if you plan on attending in person.

RSVP at:

<https://aeg-nisqually.brownpapertickets.com>

Zoom Meeting Info:

Join Zoom Meeting

[https://us02web.zoom.us/j/82396482540?
pwd=ZlFKUGt4ZUk0Mm53R0JlQkI6WFZmUT09](https://us02web.zoom.us/j/82396482540?pwd=ZlFKUGt4ZUk0Mm53R0JlQkI6WFZmUT09)

Meeting ID: 823 9648 2540

Passcode: 074395

One tap mobile

+12532050468,,82396482540#,,,,*074395# US

+12532158782,,82396482540#,,,,*074395# US (Tacoma)

Upcoming Meetings:





Bio: Tim Shevlin, PG

Technical Director of Sales
Regional Manager Pacific NW and Hawaii
Geobrugg North America, LLC
Salem, OR 97302

Tim Shevlin is an Engineering Geologist with 20 years of experience performing geotechnical and geologic investigations. Mr. Shevlin has a Bachelor of Science in Environmental Science from Allegheny College and a Master of Science in Geology from Kent State University. He is also a licensed Professional Geologist in the State of Pennsylvania and Oregon.

Prior to joining the Geobrugg team Tim worked on both public and private sector projects for nationally-known engineering consulting firms performing geotechnical investigations and designs. He has experience working on commercial development projects, water resource projects, and transportation/railroad projects.

Tim is Geobrugg's Regional Manager for Northwest USA & Hawaii and the Technical Director of Sales and Marketing; he works out of Salem, Oregon.

Geobrugg North America, LLC: *Protecting people and infrastructure from Natural Hazards*



Message from the Chair

I hope everyone had a wonderful and restorative holiday season! I am looking forward to 2024 and the adventures that await us!

Please note: There has been a change to our meeting day and location.

Our February meeting will be at 6 pm, February 13th at Mercato Ristorante in the Wine Room. The address is [111 Market Street NE, Olympia, WA 98501](#).

These meetings can be applied to one hour of Continuing Education Credits. Please email AEGNisqually@gmail.com and we would be happy to provide you with a certificate for this month's talk.

Save the date:

Please add these upcoming dates to your calendar!

Wednesday, March 6th @ 6 pm - [AEG 2023-2024 Jahns Distinguished Lecturer](#)

Speaker: Cynthia Palmares, PG, PE

Location: Mercato Ristorante, Olympia

Be on the lookout for a poll to select a presentation topic.

Wednesday, April 17th @ 6 pm - [AEG 2023-2024 Presidential Visit](#)

Speaker: Sarah Kalika, PG, CAC

Location: Mercato Ristorante, Olympia

Section Officers & Committee Chairs



Chair:
Samantha Denham
Department of Ecology



Vice Chair:
Calie Rose
Mud Bay Geotechnical



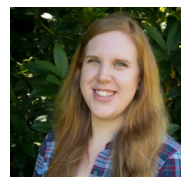
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Vacant

National AEG webpage:
<http://aegweb.org>

The AEG Nisqually Chapter Newsletter

The Association of Engineering Geologists (AEG) contributes to its members' professional success and the public welfare by providing leadership, advocacy, and applied research in environmental and engineering geology. AEG's values are based on the belief that its members have a responsibility to assume stewardship over their fields of expertise. AEG is the acknowledged international leader in environmental and engineering geology, and is greatly respected for its stewardship of the profession.

AEG NISQUALLY CHAPTER NEWSLETTER is published monthly from September through April. Subscriptions are for members of AEG affiliated with the Nisqually Chapter or other Chapters, and other interested people. E-mail subscriptions are free.

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