

The Official

AEG OREGON CHAPTER NEWSLETTER

<http://www.aegoregon.org>

MEETING DETAILS

Date: Tuesday,
November 16, 2021

Location: Virtual
Link: [ZOOM LINK](#)

Meeting ID: 864 8925 6106
Passcode: 338753

Evening Agenda:

6:00 pm Virtual Presentation

*We look forward to seeing
you at the presentation!!*

UPCOMING MEETINGS:

Dec 14th: TBD

Jan 18th: ASCE GEOTECH JOINT
Meeting Orion George

Feb 21st: TBD

Mar 15th: Dr. Ashley Streig

Apr 19th: Rick Wooten
(Jahns lecturer)

May 17th: Student Night



"Explosive" encounters of landslides and water

--

The Elliot Creek and Chamoli disasters

Presented by: John Clague, PhD.

Emeritus Professor at Simon Fraser University

Abstract:

Two recent landslide disasters shine the light on the risk posed by incorporation or displacement of water by rockslides and rock avalanches. The Elliot Creek event in the BC Coast Mountains in November 2020 displaced millions of cubic metres water in an alpine lake. The resulting displacement wave devastated 11 km in the valley below. The Chamoli event in February 2021 initiated when a large rockslide collapse from a high peak in the Indian Himalaya. The rockslide melted and incorporated water from glacier ice and rapidly transformed into a debris flow that destroyed two downstream hydropower projects and killed over 200 people. These types of events represent an emerging, yet underappreciated, hazard due to their far-reaching effects and in the case of the Himalayan example, increasing exposure of people and infrastructure in high mountains to them.



*"The earth is large and
old enough to teach us
modesty."*

Hans Cloos



Bio: John Clague

John is Emeritus Professor at Simon Fraser University. He was educated at Occidental College (BA), the University of California Berkeley (MA), and the University of British Columbia (PhD). Clague worked as a Research Scientist with the Geological Survey of Canada from 1975 until 1998. In 1998 he accepted a faculty position in Department of Earth Sciences at Simon Fraser University. Clague is a Quaternary geologist with research specializations in glacial geology, geomorphology, natural hazards, and climate change. Clague is a Fellow of the Royal Society of Canada, former President of the Geological Association of Canada, and Past-President of the International Union for Quaternary Research and the Association of Professional Engineers and Geoscientists of British Columbia (APEGBC). He received an Honorary PhD from the University of Waterloo in 2017 and in 2020 was inducted as an Officer of the Order of Canada. Although 'retired', Clague is currently Editor in Chief of the journal Natural Hazards.

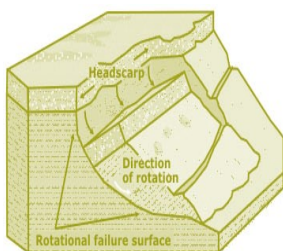


Message from the Chair

Happy Halloween, Oregon AEG!

We hope you all found our last Section Meeting to be helpful! Ericka Koss, Christine Valentine and Scott Burns discussed our new Continuing Education credits for RGs and CEGs in Oregon. If you missed it, here is OSBGE's helpful guidance document: [Continuing Education Guidance](#). There is a template for a log to take note of credits as you earn them, to be prepared. And as a reminder, AEG Oregon Section meetings with our traditional format of an hour-long presentation fulfill 1-hour credit of continuing education.

Coming up for our November 16th section meeting, I am so pleased to welcome a Pacific Northwest neighbor from British Columbia, Dr. John Clague, with his presentation "'Explosive' encounters of landslides and water -- The Elliot Creek and Chamoli disasters." As John notes in the abstract for his talk, the "emerging, yet underappreciated hazard" of landslides encountering water sources are a hazard I very much look forward to learning more about, with both a recent B.C. and Indian Himalaya example.



Continued . . .

*"The earth is large and
old enough to teach us
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Hans Cloos

Chair Message Continued . . .

We (the Board) are watching local Covid transmission rates and local, state and Federal guidance on social gatherings, however we anticipate hosting our first hybrid meeting in December, with a combination of an in-person dinner and talk, which will be live-streamed to a Zoom audience. That way, folks can choose how they would like to participate. Please look for the December newsletter for the Zoom link and details about the meeting.

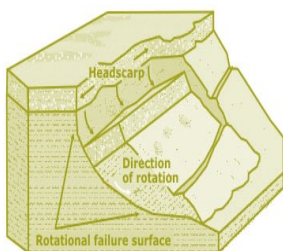
In your local AEG Oregon Chapter Board news, we are sad to say Bryon Free (Secretary) is moving onto higher aspirations as a high school science teacher. His students are very lucky, as they too will benefit from Bryon's curiosity and good-natured enthusiasm that we enjoyed while he was Newsletter Editor and on the Board. We wish you the best, Bryon!

We are happy to welcome Rud Moe as our newest volunteer as website editor! We are very grateful and we look forward to a more up-to-date website. There's still room if you'd like to organize field trips (Field Trip Chair!) or drum up support for members (Membership Chair!).

-Nancy Calhoun

AEG Oregon Chapter Chair, 2020-21

- ZOOM
- Time: Nov 16, 2021 06:00 PM Pacific Time (US and Canada)
- <https://us02web.zoom.us/j/86489256106?pwd=TXR6TXpFVFZyZWY6TUJKT2svVDdzQT09>
- Meeting ID: 864 8925 6106
- Passcode: 338753
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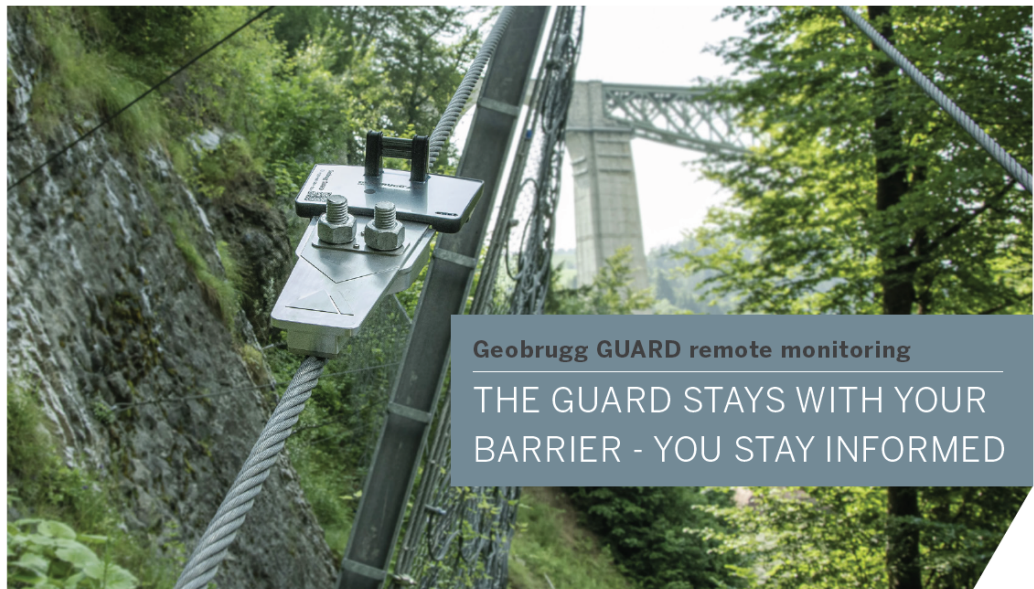
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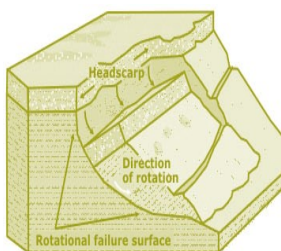
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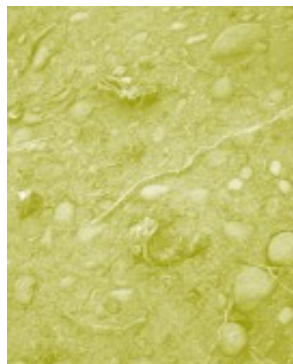
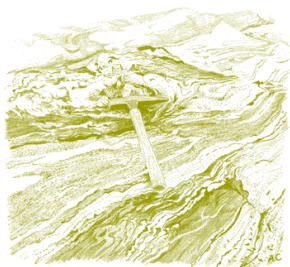
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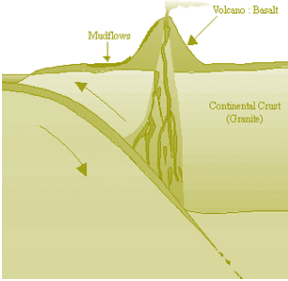
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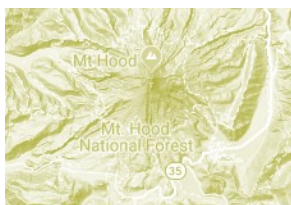
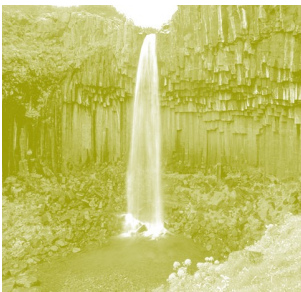
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- Shearwave Velocity Studies
- Electrical Resistivity Profiling
- Ground Penetrating Radar
- Magnetics/Electromagnetics
- Gravity
- Marine Geophysics

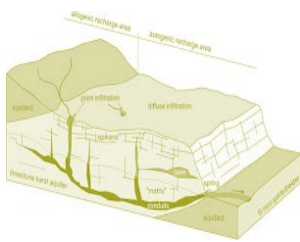
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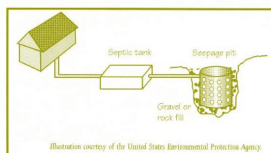
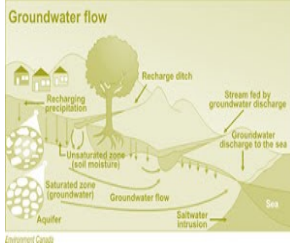


Illustration courtesy of the United States Environmental Protection Agency
Schematic of a Seepage Pit (Dry Well)



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"A soil adapted to the growth of plants, is necessarily prepared and carefully preserved; and, in the necessary waste of land which is inhabited, the foundation is laid for future continents, in order to support the system of the living world.."

James Hutton



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Chair:

Nancy Calhoun

DOGAMI

nancy.calhoun@oregon.gov



Chair –Elect:

Aine Mines,

Cornforth Consultants , Inc.

amines@cornforthconsultants.com

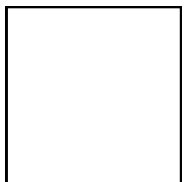


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FHWA Western Federal Lands

ryan.cole@dot.gov



Secretary:

Vacant

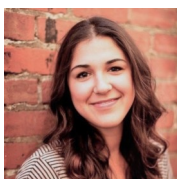


Past-Chair:

Mike Marshall

GRI

mmmarshall@gri.com

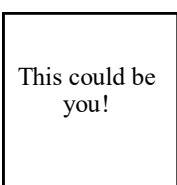


Program Chair:

Jasmin Toro

Aspect Consulting

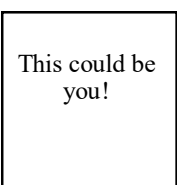
jtoro@aspectconsulting.com



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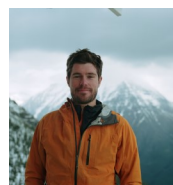
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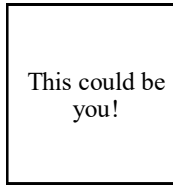


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Sebastian Dirringer

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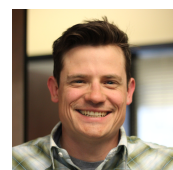
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Newsletter Editor:

Volunteer Needed

This could be you!



Webpage Editor: Rud Moe

PSU Graduate Student

rudlambmoe@gmail.com



PSU Student Chapter President:

Rud Moe

Portland State University

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The AEG Oregon 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.

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