

The Official

# AEG OREGON CHAPTER NEWSLETTER

<http://www.aegoregon.org>

## Meeting Details:

Date: Tuesday, December  
13, 2022 7:00 pm Hybrid

[RSVP](#)

**In-Person \$25**  
Cash or check.  
Cards please use  
link above.

Old Market Pub 6959  
SW Multnomah Blvd

## Agenda:

5:30- 6:30 pm SOCIAL  
6:30-7:00 pm dinner  
7:00 pm  
Presentation

## UPCOMING MEETINGS:

January 4, 2022--  
Mosquito Crk Debris Flow  
(Machan & Zimmerman)

February 21, 2022--  
AEG President (Nata  
Saraceno)

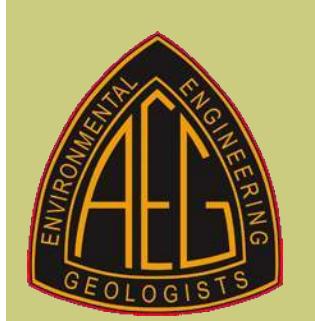
March 21, 2022--  
Julian Waeber

April 18, 2022--  
Jahns Lecturer (Vince  
Cronin)

## Responding to a Five Hundred-Year Flood of Yellowstone National Park



Yellowstone National Park received an unprecedented amount of rainfall in June 2022, which led to wide-spread catastrophic flooding and damage to critical park infrastructure, including roads, bridges, water and wastewater systems, and power lines. This talk will provide an overview of the federal response to flood damage, as well as ongoing efforts to restore the Park's transportation system to pre-flood functionality.



*Geologists have a  
saying - rocks  
remember.*

*Neal Armstrong*



## Eric Lim, P.E.



Eric is a Senior Geotechnical Engineer at the Western Federal Lands Highway Division of the FHWA. Eric has been with Western Federal Lands for the last seven years after spending fifteen years as a consulting geotechnical engineer in the Pacific Northwest. Eric graduated from Humboldt State University in 1999 and is a registered Professional Engineer in Washington and Oregon, and a registered Geotechnical Engineer in Oregon.

## Orion George, L.E.G.



Orion obtained a BSc (*summa cum laude*) from Humboldt State University in Geology (2006) and a Geology MSc from Western Washington University (2012) with 13 years of collective experience working as a geologist. He has worked with Barrick Gold Exploration in Alaska and Nevada supporting grassroots and developmental exploration, as an engineering geologist with the Washington State Department of Natural Resources doing slope stability assessments supporting their timber sale program, and most recently as an engineering geologist with the Federal Highway Administration's Western Federal Lands Highway Division of the FHWA supporting projects in Oregon, Washington, Idaho, Montana, Wyoming, and Alaska.

## Ryan Cole, C.E.G.



Ryan began his federal career in 2000 with the US Army, serving in the Special Operations Command as a Ranger in 1st Battalion, 75th Ranger Regiment. Upon completion of four tours in Afghanistan and one tour in Iraq he worked for the US Geological Survey beginning in 2008, while attending Portland State University, earning both a BS/MS in geology. He transferred to the US Forest Service in 2011, where he worked in mining, CERCLA, Burned Area Emergency Response, and engineering geology. In 2021 he accepted a position with the Western Federal Lands Highway Division of the FHWA supporting projects in Oregon, Washington, Idaho, Montana, Wyoming, and Alaska.

## Message from the Chapter Chair

Hello Oregon Chapter!

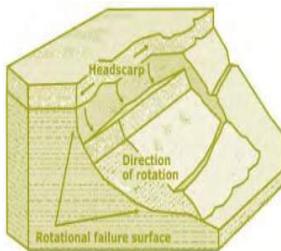
We've been teasing charging for admission to the virtual component of our meetings for almost a year now, and we are finally moving one step closer to doing that.

**Starting this month we are having virtual attendees register through Brown Paper Tickets (BPT).** BPT supports selling multiple types of tickets for a single event, something we have already used to create different in-person tickets for professionals, students, etc. We have also created an "online" ticket. This ticket will include the Zoom meeting link in the "Event Information" section of your purchased ticket. **This month and next the online ticket will be free**, just like the in-person student ticket. Starting in February, we expect to charge \$8 for members and \$10 for non-members. This gives us time to work out any unexpected kinks. Virtual attendees will no longer need to register for the Zoom meeting, and we will turn off the "authentication" requirement that made it difficult for some people to sign into the virtual meeting from government accounts. For virtual attendees, your BPT registration now gives us the attendee list we are trying to keep for OSBGE CEU purposes. And if you're a trollbot, at least you'll be a trollbot that paid to attend this meeting! In the future, charging for virtual meeting attendance will allow us to cover the cost of the Zoom subscription and some upgrades to our audio visual equipment to make what we have more compatible with this virtual format. Most importantly, charging for virtual meetings is in line with our chapter goal of using our meetings to help raise funds to use for student night awards, student scholarships to AEG National, travel support for visiting speakers, etc. As always, please let the board know if you have any questions or input to share.



So moving on from virtual meeting logistics, let's talk about the actual December meeting! Our Vice-Chair has assembled a crack team of fellow employees from Western Federal Lands FHWA to tell us more about the emergency response work to last year's Yellowstone flooding. We've all seen at least some pictures of the damage from that flood event. Now we'll learn more about the emergency response that helped get the roads opened back up. We promise that sometime this year we will have a talk that is not tinged with geologic peril, but December is not that month. We look forward to seeing you all in a couple weeks and enjoying a break from the obligations of the holiday season.

Looking ahead to 2023, the January joint-meeting with ASCE will be early this year, on January 4th. It's a joint presentation from Michael Zimmerman (ODOT) and George Machan (Cornforth Consultants) on the Mosquito Creek Debris Flow mitigation project in the Columbia River Gorge, so it checks all the boxes for a very interesting talk. It will be held at the Old Market Pub, and we are working with ASCE on capacity questions. Depending on how many people ASCE expects from their group, we may need to cap in-person admission on our side and eliminate at-the-door registration for the joint meeting. We will have more information on that by the time of our December meeting.



As always stay safe, warm, and dry over these next few weeks, and we're looking forward to seeing you in person or virtually in a couple of weeks.

Yours,  
Aine Mines  
AEG Oregon Chapter Chair 2022-2023

*Geologists are never at  
a loss for paperweights.*

*Bill Bryson*



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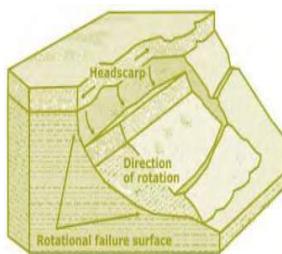
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ATTENUATOR rockfall protection

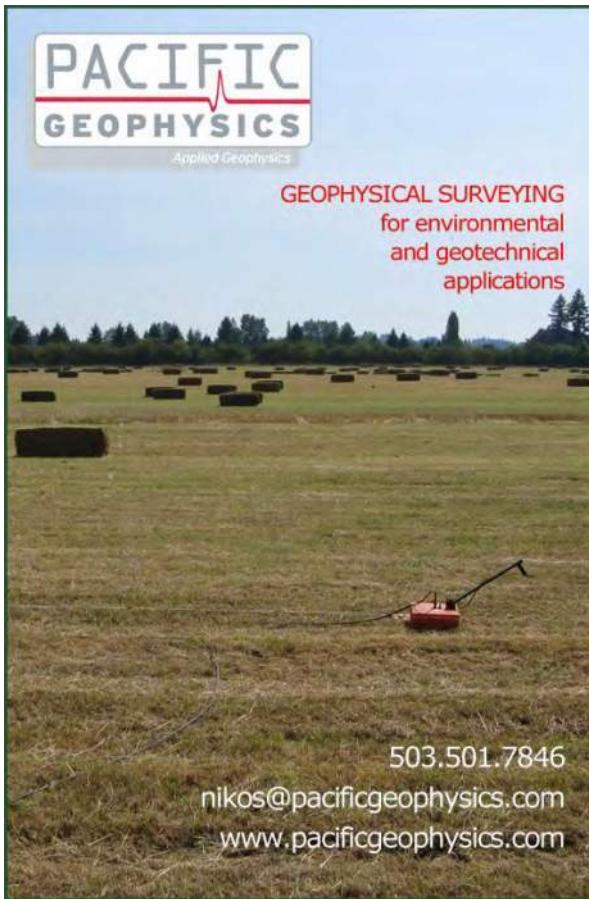
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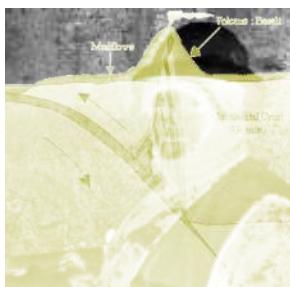
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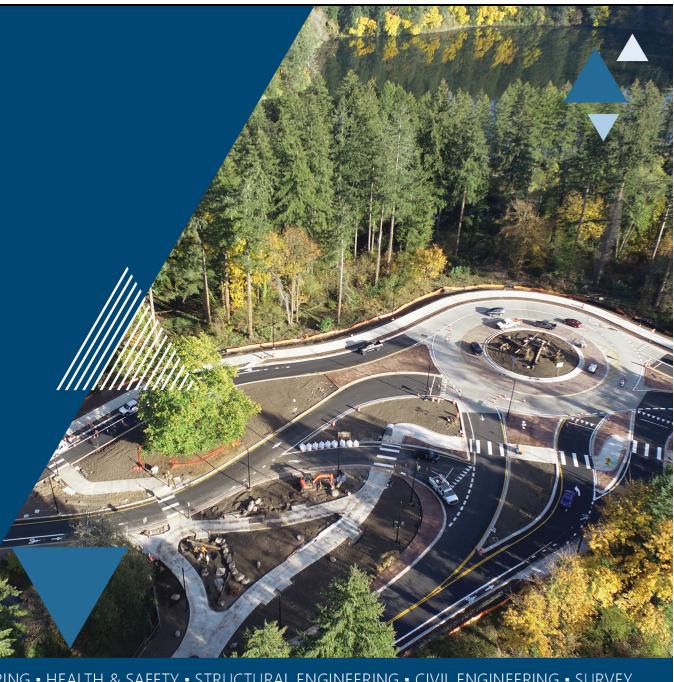


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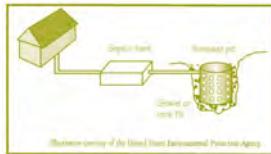
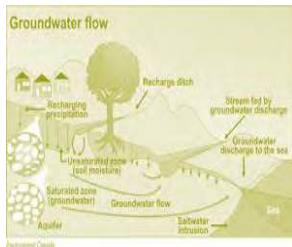


Illustration courtesy of the United States Environmental Protection Agency



*We learn geology the morning after the earthquake.*

*Ralph Waldo Emerson*

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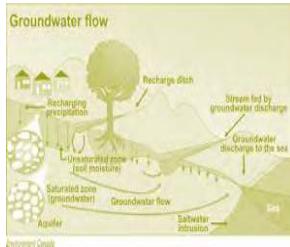
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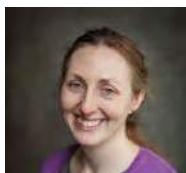
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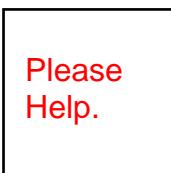
*We learn geology the  
morning after the  
earthquake.*

*Ralph Waldo Emerson*

## Chapter Officers & Committee Chairs



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Aine Mines,  
Cornforth Consultants , Inc.  
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Program Chair:  
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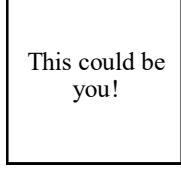
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Chair –Elect:  
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FHWA Western Federal Lands  
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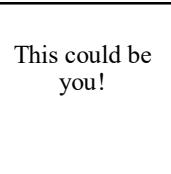
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## The AEG Oregon Chapter Newsletter

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.

AEG OREGON CHAPTER NEWSLETTER is published monthly from September through May. Subscriptions are for members of AEG affiliated with the Oregon Chapter or other Chapters, and other interested people who have requested and paid a local subscription fee of \$10.00. E-mail subscriptions are free. News items are invited and should be sent to: Aine Mines, AEG Oregon Chapter Chair, Cornforth Consultants, Inc., 10250 SW Greenburg Road, Suite 111, Portland, OR 97223, e-mail: aines@ccilt.com, phone (503) 452-1100. Electronic media is preferred. Deadline for submittal is the 25th of the month. Advertising: business card size \$100/yr; 1/4 page \$200/yr; 1/2 page \$350/yr; 1 page \$450/yr.

