

The Official

AEG OREGON CHAPTER NEWSLETTER

<http://www.aegoregon.org>

Meeting Details:

Date: Tuesday, Nov. 19,
2024 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:

December 17: Ozgun
Numanoglu – Schnabel
Geotechnical Engineer

January: TBD

February (date TBD):
John Kemeney, Jahns
Lecturer

Consulting Geophysical Methods at Tetra Tech

Dr. Elisabeth Clyne

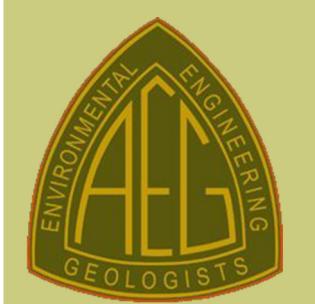
Tetra Tech



Geophysical methods are a cost-effective way to gather initial information about a project or site without having to break ground. They can cover a wide surficial and/or vertical area and fill knowledge gaps between expensive ground-truth methods like boreholes.

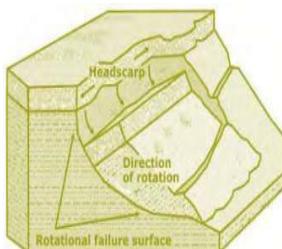
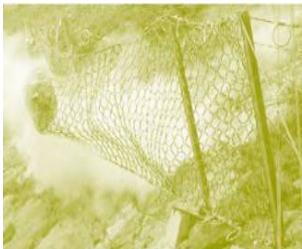
A wide swath of geophysical methods exist which can provide many different forms of information about the subsurface. Seismic methods allow the assessment of seismic velocities and subsurface structure, providing insight into geotechnical parameters, excavation rippability, and layer interfaces. The gravity method can capture density variations related to geologic changes and voids. Electrical resistivity methods yield insight into subsurface resistivity changes, providing information on groundwater, geologic structure, and soil resistivity. Various electromagnetic methods can be used to image large- and small-scale geologic changes or subsurface objects such as pipes, tanks, cisterns, landfills and more.

This talk will give an overview of how different geophysical methods can provide tailored datasets for a myriad of different consulting projects.



*Geologists have a
saying - rocks
remember.*

Neal Armstrong



Dr. Elisabeth Clyne:

Lizzy is a project geophysicist with Tetra Tech. They hold a BS degree from the University of Michigan – Dearborn in physics, a MS degree from The College of William and Mary Virginia Institute of Marine Science, and a PhD from Penn State in geosciences. They have published research on paleoseismic sedimentology and glaciology, taught climate and cryoscience at Lewis and Clark college, and worked as a K-12 environmental educator in several municipalities.

Message from the Chapter Chair

Hello AEG Oregon colleagues!

As I write this we are preparing for Halloween. The harvest has ended, and the new year awaits. There is no plan for a bonfire in my household, just celebrating with family, remembering departed friends and family members, and watching the parades of dressed-up children and adults. We are also watching the change in the weather and hoping people with no weatherproof structures over their heads stay warm and safe.

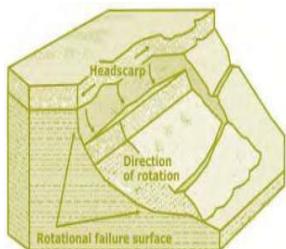
In October, Old Market Pub was graced by the Castañedas, Manuel and Jorge, with some impressive examples of what their expertise can do for professionals and their clients. And many additional thanks to them and PLI Systems for sponsoring our beverages.

We are preparing to welcome Lizzy Clyne of Tetra Tech on November 19. This will be a treat to me. I am sure you will enjoy it too. Geophysics can be an invaluable tool in the tool bags of engineering and environmental professionals. I truly cannot wait! To add to that, there will be pizza, beverages, and, of course, good company.

I hope to see you at OMP or on Zoom on November 19.

Nikos Tzetas
AEG Oregon Chapter Chair

PS. Plateaus are the highest form of flattery

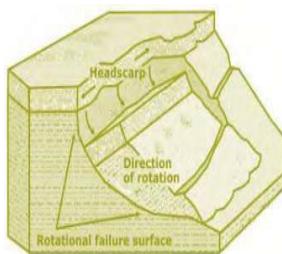


Call For Oregon/Washington Ice-age Glacial Erratics

Greetings all Oregon Section AEG members. For the Tuesday, November 19, 2024 meeting, you are encouraged to bring any Oregon/Washington hand-specimen-sized glacial erratics you may have to the meeting. Several members will be bringing their erratics...this will be a great opportunity to compare and discuss. If you have any questions, please reach out to George Freitag (gfreitag@gri.com). See you on the 19th!

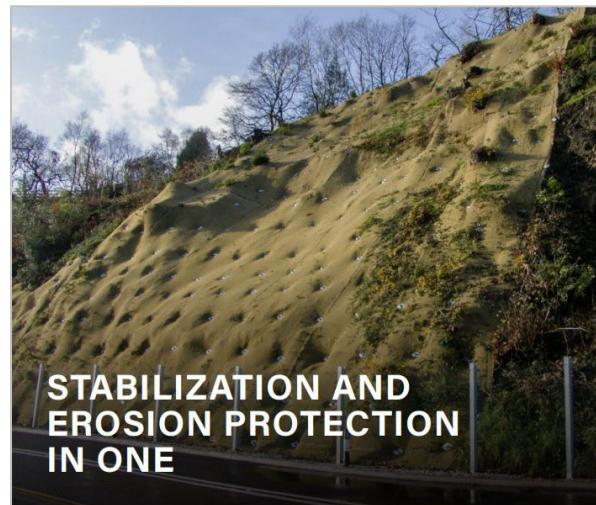
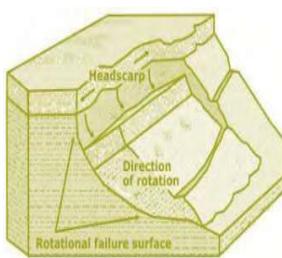


Mica-schist erratic, McMinnville, OR



*Geologists are never at
a loss for paperweights.*

Bill Bryson



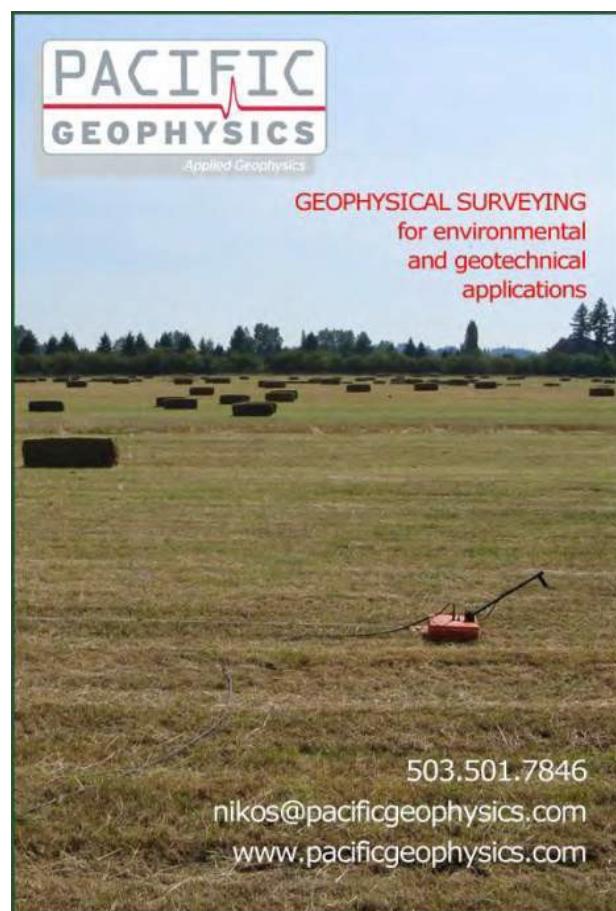
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Bill Bryson



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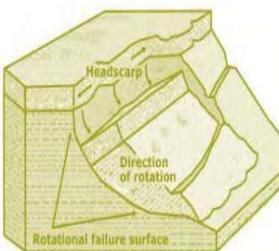
- Seismic Refraction/Reflection
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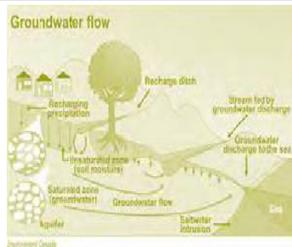
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Ralph Waldo Emerson

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nikos@pacificgeophysics.com



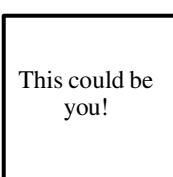
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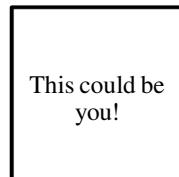
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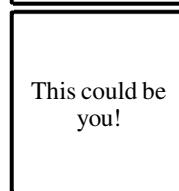
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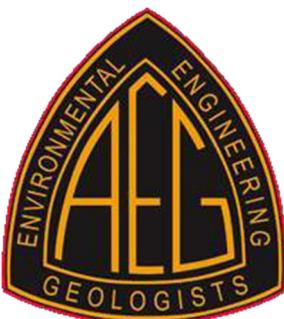
PSU Student Chapter President:
Marge Belcastro
Portland State University

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National AEG webpage:
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The AEG Oregon Chapter Newsletter

The Association of Engineering Geologists (AEG) contributes to its members' professional success and the public's 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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