

The Official

AEG OREGON CHAPTER NEWSLETTER

<http://www.aegoregon.org>

MEETING DETAILS

!!Webcast!!

**Date: Tuesday,
May 19, 2020**

In order keep the meeting private to our AEG members you must pre register for the meeting. Please click the link below to register

AEGPortlandMay2020
(<https://attendee.gotowebinar.com/register/2427330654611370765>)

(By registering, the webinar organizer, will use your RSVP/ Registration to communicate the meeting link and password to you via email.

Evening Agenda:

6:00 pm Presentation

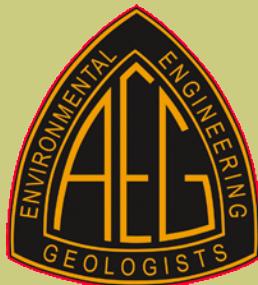
Deadline:

May 18th, 2020 by Noon

UPCOMING MEETINGS:

STUDENT NIGHT!
June 16th 2020

**See the announcement
on page 3!**



In Situ Stabilization for Development

Speaker: Rory Kilkenny

Many urban redevelopment sites require both environmental remediation as well as geotechnical ground improvement. Under the correct site conditions, significant cost efficiencies can be gained by coupling the environmental and geotechnical efforts with a single technology called in-situ solidification (ISS).

ISS involves mechanically mixing environmentally impacted soil with cement-based binders without removing the soil from the ground. The goal is to encapsulate contaminated material and form a solid monolith. This monolith is designed to restrict contaminant migration by decreasing the surface area exposed to leaching and by lowering the hydraulic conductivity of the material. ISS has the added benefit of improving the geotechnical properties of the soil, including increasing soil strength and reducing susceptibility to liquefaction or settlement.

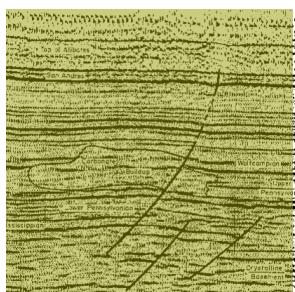
In his presentation, Rory will discuss the state-of-the-art ISS as a remedial and geotechnical ground improvement technology.

Biography:



Rory Kilkenny is a professional engineer with 10 years of experience working on waterfront and upland projects related to geo-environmental investigation, design and project implementation. He has designed and implemented environmental remedies throughout the North America and western Europe. He specializes in projects with a focus on deep excavations requiring shoring and dewatering, in-situ solidification/stabilization, permeable reactive barriers, and hydraulic cut-off walls. His in-situ solidification/stabilization projects have included the remediation of manufactured gas plants, creosote sites, chlorinated solvent plumes, and refineries. While not at work he enjoys spending time outdoors with his wife Sara.





Message from the Chair

To paraphrase a certain masked crime fighter: With great change comes great opportunity! This month brings an exciting new event for our Chapter. We have organized a first-ever (for us) Webinar Meeting to hear a talk from Rory Kilkenny of Aspect Consulting. Rory will be discussing in-situ solidification (ISS). Based on feedback from the Nisqually Chapter's recent virtual meeting, this format will help us all stay healthy and allow new folks from outside the Portland Metro region to join! Please join us on May 19th for a great talk and remember to bring your own beverage.

Another exciting event we are planning is a Virtual Student Night in June. We are soliciting any and all students who are interested in presenting their research for the Chapter for cash prize money and an opportunity to interact with local professionals. To participate, each student will be required to prepare a 2 to 5 minute recorded video presentation to be shared via YouTube. Because the presentations will be submitted in advance, this year we're able to offer a twist on our regular Student Night: All AEG members who watch the video presentations will be able to cast votes! So, students, if you like money and want to rub elbows with potential employers please see the Student Night announcement in this newsletter and on our website.

"Keen observation is at least as necessary as penetrating analysis"

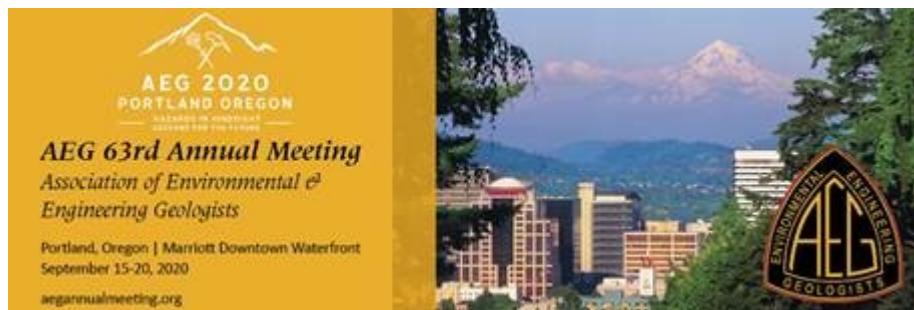
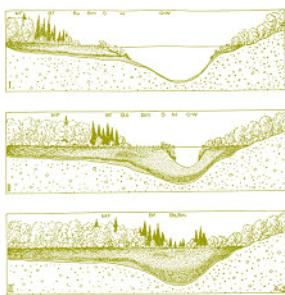
Karl Terzaghi

Thanks for being a part of the AEG organization!

Ben George
Oregon AEG Chapter Chair

AEG 2020 Annual Meeting

Please stay tuned for updates later this month from AEG National regarding September Portland Annual Meeting. We'll keep you informed as we learn more in this time of uncertainty.



AEG Oregon

Student Night 2020

This year the student night will be held on

Tuesday June 16, 2020 on the Worldwide Webs

Submittal Requirements:

Students working towards a Bachelors, Masters, or PhD degree generally focused in geology and earth science studies. Each participant is required to provide a 2 to 5 minute recorded YouTube video presentation. More details with format will be forthcoming.

Please email interest in participation ASAP. Please provide an email address along with degree being sought, school attending, year in school, and favorite food. Attendance at the June 16th meeting is required to answer questions from the board and chapter.

Subject Matter:

We would like to hear about subjects related to geology and earth sciences across a myriad of topics including: environmental, engineering, soils, rocks, field mapping, GIS, UAV remote sensing, technology, chemistry, etc. The project area does not have to be in Oregon. Senior projects, Master's thesis or PhD dissertations are all acceptable, including work in progress.

Submission:

Submit your presentation to the Oregon AEG Board at bgeorge@CornforthConsultants.com.

Please email ASAP with interest. Submissions provided by June 9, 2020 will be considered for awards, so get cranking to win one of many prizes.

Prizes:

There are multiple prizes awaiting you and your project, including:

**Most Relevant to Engineering
Geology Practice - \$200**

**Most Relevant to Environmental
Geology Practice - \$200**

Best Undergraduate - \$250

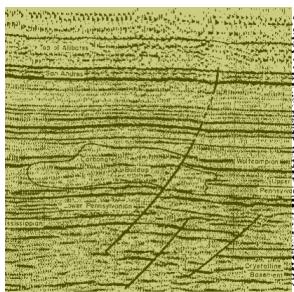
Best Graduate - \$250

**Most Creative Presentation - \$150 Best Quality Presentation - \$150
Best Overall Presentation - \$350**

Each accepted submittal will receive a \$25 gift card to REI

***one gift card per person if multiple submittals are provided**

**** one prize per person if multiple submittals are provided**



Memoriam – Jerome (Jerry) Vernon DeGraff

Our colleague, dear friend, and fellow engineering geologist, Jerome (Jerry) V. DeGraff, Adjunct Professor of Geology, Fresno State University, California, passed away the night of March 26, after fighting pancreatic cancer for nearly three years. Before joining Fresno State University as an Adjunct Professor, Jerry had a long and distinguished career (1977-2014) with the United States Department of Agriculture (USDA) – Forest Service. His work with the Forest Service focused on landslide hazards as related to forest fires, risk assessment, mitigation, and landslide-related policy issues.



“Keen observation is at least as necessary as penetrating analysis”

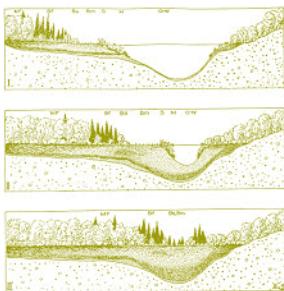
Karl Terzaghi

Jerry's contributions to our profession are too numerous to mention. He published some 100 technical articles in peer reviewed journals, proceedings volumes, and book chapters. He co-authored several books, most notably "Principles of Engineering Geology" in 1988 and, in 2002, "Catastrophic Landslides: Effects, Occurrences and Mechanisms," co-edited several proceedings volumes, including the proceedings of the 3rd North American Landslide Symposium, and served as a member of the Editorial Advisory Board of the Encyclopedia of Engineering Geology. Jerry provided extensive consulting service on landslides in the United States as well as Jamaica, Dominica, St. Lucia, Puerto Rico, and elsewhere in Latin America.

Jerry was a very active member of Geological Society of America (GSA), Environmental & Engineering Geology Division (EEGD) of GSA, Association of Environmental & Engineering Geologists (AEG), and International Association for Engineering Geology and the Environment (IAEG). He graciously and effectively performed extensive committee work for all of these professional societies. He was the past EEGD chair, a Jahns Lecturer, Burwell awardee (EEGD), Claire P. Holdredge Awardee (AEG), Frye committee member, GSA Councilor, Distinguished Practice awardee (EEGD), Meritorious Service awardee (EEGD), Environmental & Engineering Geoscience journal (EEG) Best Publication awardee, and Chair of the EEG Advisory Board.

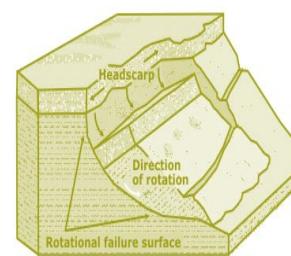
Jerry's long and distinguished record of accomplishments, commitment to detail and scientific practice, mentorship and high professional and ethical standards touched the global community directly and indirectly. His work influenced individuals around the world - his collaboration helped numerous colleagues and the results of his landslide-focused accomplishments will benefit society for years to come. Jerry will be especially remembered for his endless enthusiasm, unbridled kindness, open generosity, humanity, devoted friendship, which he shared with a caring and positive attitude, patience, laughter, smiles, and good humor — these special traits will stay with us forever.

Jerry is survived by his loving wife and devoted companion, Sandy, as well as two sons, Mark and Nick, and grandson Liam.



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

Hans Cloos



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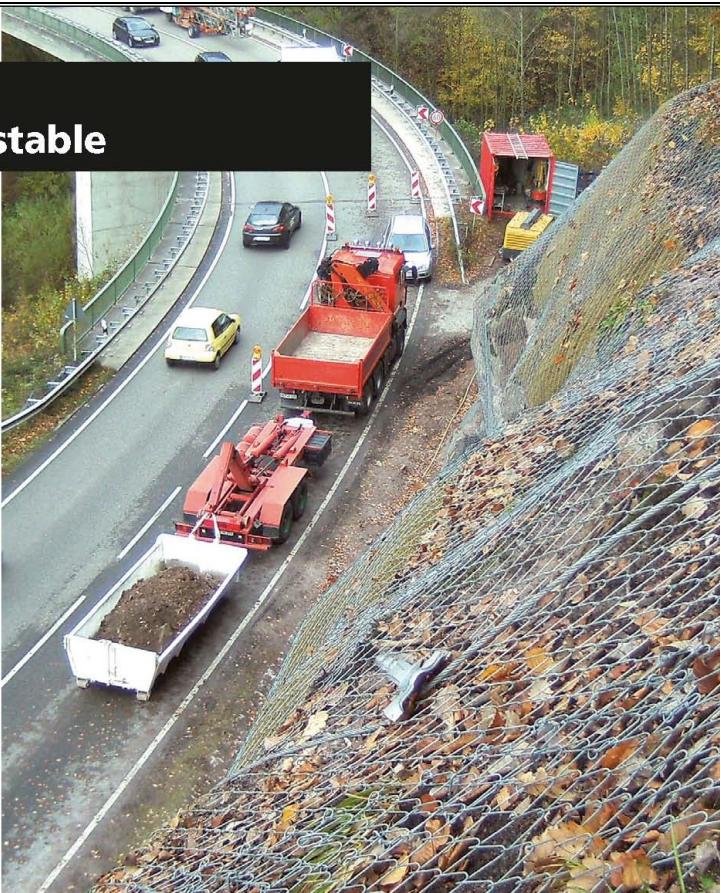
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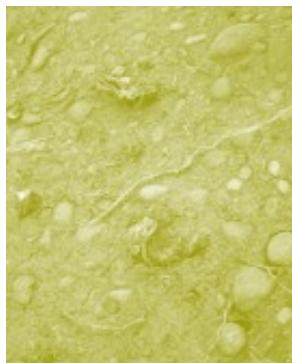
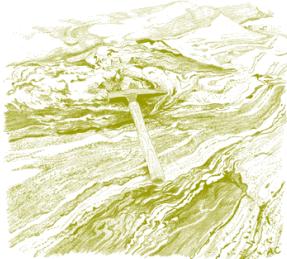
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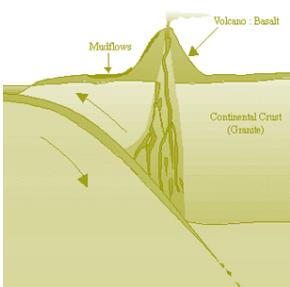


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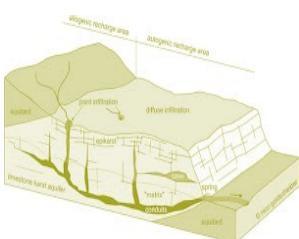
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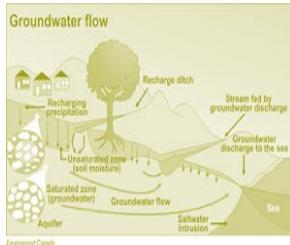


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"A soil adapted to the growth of plants, is necessarily prepared and carefully preserved; and, in the necessary waste of land which is inhabited, the foundation is laid for future continents, in order to support the system of the living world.."

James Hutton

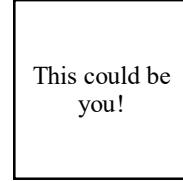
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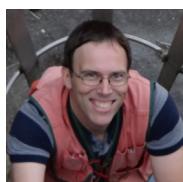
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The AEG Oregon Chapter Newsletter

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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