

The Official

AEG OREGON CHAPTER NEWSLETTER

<http://www.aegoregon.org>

MEETING DETAILS

Date: Tuesday,
December 15, 2020

Location: Virtual
Link: Join Zoom Meeting
<https://us02web.zoom.us/j/89273040364>

Meeting ID: 892 7304 0364

Evening Agenda:

6:00 pm Virtual Presentation

Deadline for registration:

December 14th, 2020

UPCOMING MEETINGS:

Joint ASCE/AEG:
January 19th: Tom Westover

February 16th: Shawn Rapp

March 16th: TBD

April 20th: John Seward

May 18th: Student Night

June 15th: TBD



Mine Subsidence: Cause, Effect, Mitigation

Presented by: Dr. Gennaro G. Marino, Ph.D., P.E., D.GE

This presentation covers key aspects of mine subsidence engineering, a subject that is not well understood, and embraces a number of engineering disciplines. It focuses on the causes of mine subsidence and how mine stability relates to the resulting ground movements. Different mining and geologic conditions determine the mode of failure of the mine. The mode of mine failure in turn affects the resulting subsidence movement. Prediction of subsidence and damage potential are also key aspects of subsidence engineering. Case histories will be presented which illustrate different ground movement and damage scenarios. This presentation will be presented in a manner that will be understandable to anyone that would be interested in learning more about mine subsidence.

Bio: Dr. Gennaro G. Marino, Ph.D., P.E., D.GE

Dr. Gennaro G. Marino received his Ph.D. in Civil Engineering in 1985, from the University of Illinois. His thesis topic was related to mine subsidence and structural response to subsidence over room and pillar mines. Dr. Marino presently has a P.E. license in 27 states.

Over the course of his career, Dr. Marino has authored over 100 articles and publications on subsidence engineering topics. In 2015, Dr. Marino received Distinguished Alumnus Award from the Civil and Environmental Engineering Alumni Association of the University of Illinois. In 2013, The Academy of Geotechnical Professionals (AGP) of ASCE recognized Dr. Marino as a Diplomate Geotechnical Engineer (D.GE) for his superior expertise and experience, strong ethics, commitment to life-long learning and continued professional development in the field of Geotechnical Engineering. In 2011, Dr. Marino was selected as the Central Illinois, ASCE Civil Engineer of the Year. Marino Engineering Associates, Inc. was chosen as 1st runner-up for the Central Illinois, ASCE Civil Engineering Project of the Year for 2010.



Continued. . .

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

Hans Cloos

Bio Continued. . .

Working in the area of mine subsidence for over 40 years in various ore fields in the U.S., Dr. Marino has researched and consulted on all aspects of subsidence engineering with government agencies, engineering and architectural firms, surface owners, as well as pipeline, insurance and mining companies. His work includes planning, mining and abandonment stages of room and pillar to high extraction workings, as well as related cause and origin investigations.

Message from the Chair

Seasons greetings Oregon Chapter. We embark on our last month of 2020 and the beginning of a new year that hopes to bring an end to whatever 2020 was. In hindsight, 2020 had many challenges but I found that working from home has allowed more time with my family. I hope this time apart from the public has brought you all closer to your families as well.

We had a great talk from Tricia Sears and Bill Burns last month on the newly published land use guide for development in landslide susceptible areas. On December 17, Dr. Gennaro Marino will be giving us a presentation on mine subsidence.

The Oregon Chapter is looking for volunteers to help coordinate and operate the activities of the chapter. We are one of the lucky chapters to have had decades of dedicated individuals that donate a small amount of time to participate in building community with our local professional geologists.

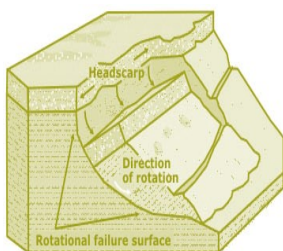
Please do not forget to renew your AEG membership for 2021. Thank you for being an AEG member and supporting the opportunities for outreach and advocacy for the geology profession. Thank you so much for supporting our Chapter!

I hope the new year brings everyone great projects and much prosperity.

Mike Marshall
AEG Oregon Chapter Chair

Interested in presenting for the Oregon Chapter?

The Oregon Chapter is looking for great topics and presenters to provide content to share with the chapter. As we continue to navigate the virtual world, we will be holding the next foreseeable meetings through webinars. Please consider presenting your exciting project to the Oregon Chapter. We look forward to hearing from all of you and especially appreciative of those willing to present to the Chapter. If you are interested in presenting please feel free to contact any board member. Our contact information is at the end of the newsletter.



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old enough to teach us
modesty."*

Hans Cloos



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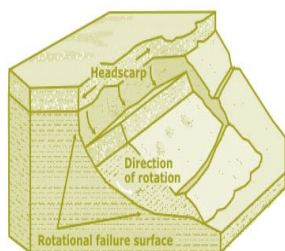
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Post-Wildfire Debris Flow Protection

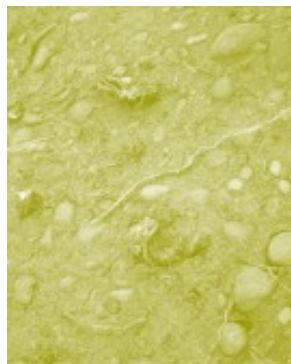
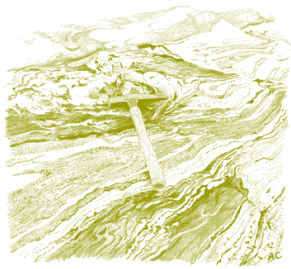
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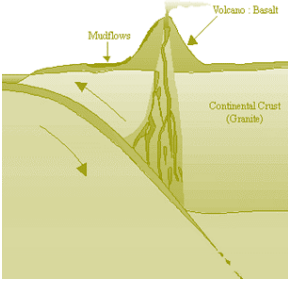
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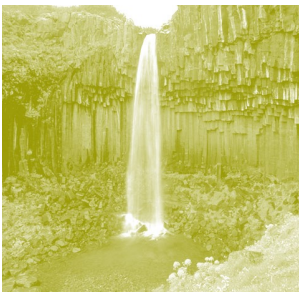
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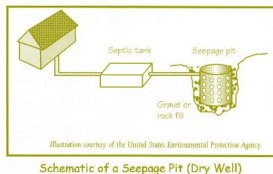
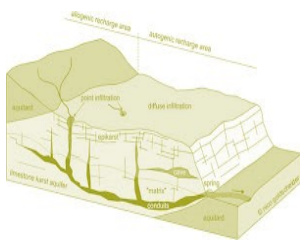
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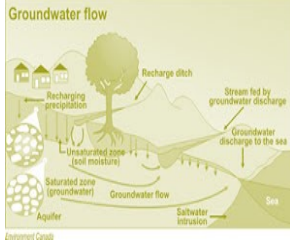
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"A soil adapted to the growth of plants, is necessarily prepared and carefully preserved; and, in the necessary waste of land which is inhabited, the foundation is laid for future continents, in order to support the system of the living world.."

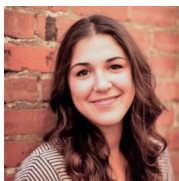
James Hutton



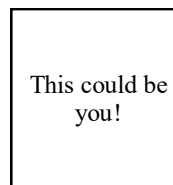
Chapter Officers & Committee Chairs



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Michael Marshall
GRI
mmarshall@gri.com



Program Chair:
Jasmin Jamal
Aspect Consulting
jjamal@aspectconsulting.com



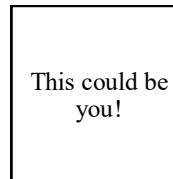
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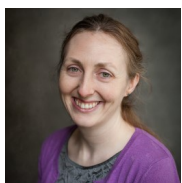
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nancy.calhoun@oregon.gov



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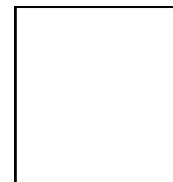
Secretary:
Bryon Free
Oregon Department of Transportation
Bryonfree@gmail.com

**The Oregon Chapter is also on
the web at**

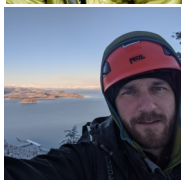
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National AEG webpage:

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The AEG Oregon Chapter Newsletter

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