



The Official

# OREGON SECTION AEG NEWSLETTER

**April Meeting Details**  
Wednesday April 20

NOTE:  
Meeting is on  
a Wednesday

**Location: Old Market Pub**

**6959 SW Multnomah**

**Portland, OR**

**6:00 pm Social**

**7:00 pm Dinner**

**7:30 pm Presentation**

**Dinner: Pizza & Salad**

**\$20 Dinner (\$5 Students)**

**Reservations:**

[mwegner@cornforthconsultants.com](mailto:mwegner@cornforthconsultants.com)  
with "AEG Reservation" in  
the subject line or 971-222-  
2047 by 4pm Thur. April 14

**There is a \$2 surcharge for  
those who do not reserve by  
the deadline.**

**Upcoming Meetings:**

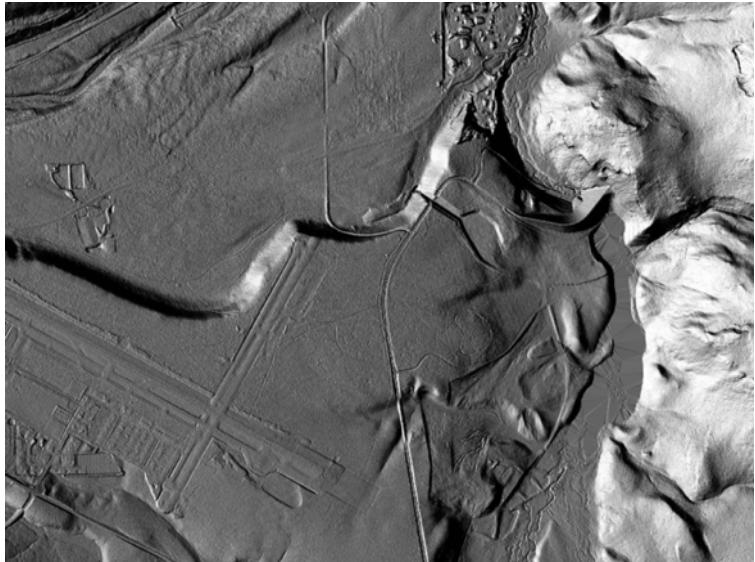
**May 10 - Student Night**



The April Meetings Guest Speaker is Bruce Hilton (National AEG President) —Topic: Martis Creek Dam – The Discovery of a New Capable Fault in Tahoe Basin

Martis Creek Dam is located in the north Tahoe Basin near Truckee California. In 2006, this dam was identified by preliminary risk analyses to be one of the Corps of Engineers' top ten high risk dams in the entire US based on seepage and seismic deficiencies. During the ensuing seepage and seismic studies, LiDAR data was obtained largely as a base for topographic analysis of hydrologic breach and inundation mapping studies. A review of these very high resolution, bare earth LiDAR by the Corps' suggested the presence of a strong, continuous lineation through the spillway near the

dam and extending for miles in either direction. This talk focuses on the use of these LiDAR data and the geomorphic analysis and paleoseismic trenching to further evaluate this newly named Polaris Fault Zone.



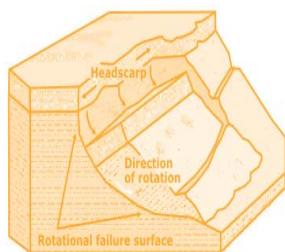
**April Meeting Special Treat: Boart Longyear Has Graciously Offered to Sponsor the Bar at the April Meeting**

So come out and have a beer on Boart and join us in thanking them for their continued long support of AEG! (see page 3 for Boart Longyear details)



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

*Karl Terzaghi*



## Bio: Bruce Hilton

Mr. Hilton began his career at Leighton & Associates in Southern CA in 1978 and continued his career in Northern CA with KLEINFELDER since 1993. His focus has been with Engineering Geology of private and public projects throughout the US during his 32 years in the business. He is KLEINFELDER's Chief Engineering Geologist and, in this role, he is responsible for the quality, external exposure, marketing, and mentorship throughout the firm. His experience spans both environmental and engineering geology with emphasis on geomorphology, fault studies, landslides and slope stability, GIS, dams and transportation, and soil and groundwater contamination assessments. He resides in Sacramento California with his wife and enjoys, volleyball, golf, and body surfing.



## Message from the Chair

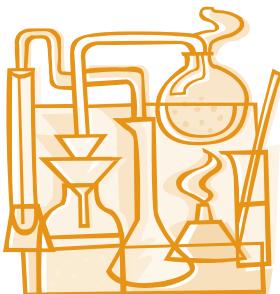
The AEG Oregon Section had a busy month in March with two great presentations. First on March 2, we had the Jahns Lecturer, William Haneberg, who spoke to us about LiDAR for engineering geology applications. It's incredible with the advances in technology and what we are able to see and learn from LiDAR. We appreciate Dr. Haneberg for taking the time to visit the Pacific Northwest and present to us. On March 15, we had Rob Witter of DOGAMI speak to us about the Chile earthquake in February 2010 and the implications to Oregon. Dr. Witter was also gracious enough to prepare some slides and give us some information regarding the Japan earthquake and tsunami that happened just four days before his presentation. What a treat to have two great speakers and wonderful presentations in March 2011.

The AEG Oregon Section Board moved the annual Student Poster Night to the month of May this year and we are sure to have a great turnout of students strutting their stuff and impressing us with their research. Student Night is a great way to introduce students to their potential future employers and a great way to get them involved in AEG. We are looking for three volunteers to be judges for the Student Poster Night and we appreciate it if you would please consider being a judge. Please e-mail anyone of the Oregon Section Board or speak to us at this month's meeting. Speaking of which...

We are pleased to have the National AEG President, Bruce Hilton, present to us this month. It is always an honor to have the AEG National President visit our section and we hope that you come to the meeting and show your support for AEG. Please note that the meeting is on WEDNESDAY and not the typical third Tuesday. The day change is to accompany the National President's busy schedule.

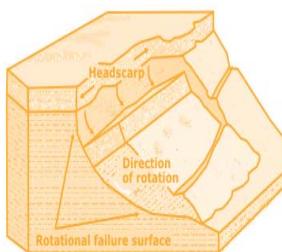
I look forward to seeing you at this month's meeting on Wednesday, April 20, 2011.

Lisa Glonek  
AEG Oregon Section Chair



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

*Karl Terzaghi*



## Portland State AEG Student Chapter News

The Portland State AEG student chapter had two notable events this past winter term. On February 18th, sixteen students and one professor visited Major Drilling LLC in Sherwood, OR. Terry Jacques and his staff graciously hosted us at their facility. We spent some time learning about equipment, drilling protocol, and regulations from Terry. He gave us a tour of the facility and set up three drilling rigs to



demonstrate for us. Despite the rain, Terry and his crew drilled core samples with a Geo-Probe direct push, vibracore, and hollow stem auger. The students all had positive things to say about the visit. A big thank you to Major Drilling LLC, Terry Jacques and his crew for giving the students a great experience!

Our career night was held on February 23rd. This is an annual event for the students at Portland State. Normally, we get a large turn-out, but this year (due to "snowpocalypse") we had some cancellations. Seventeen students and two guest speakers stuck it out and braved the potential bad weather. Even though the group was smaller, we had an evening of good questions and good advice. Thanks to Stephen Hay of ODOT and Sunny Simpkins of Ash Creek Consultants for being there for our students!

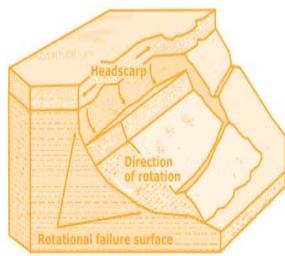
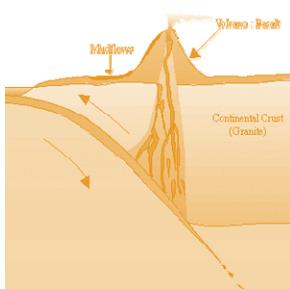


Our next event major event will be the student poster night. This is scheduled on May 10th. We are hoping that some companies and agencies will donate gifts to give to our student presenters. If you'd like to donate something, feel free to bring it to the April AEG meeting, or send me an email at [dunbar.erin@gmail.com](mailto:dunbar.erin@gmail.com) and we can arrange a pick-up of the items.

See you April 20th.

Erin Dunbar

AEG Portland State Student Chapter President



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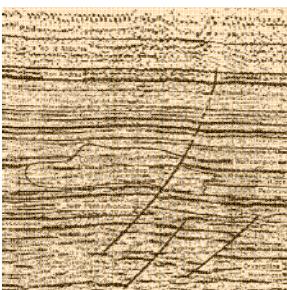
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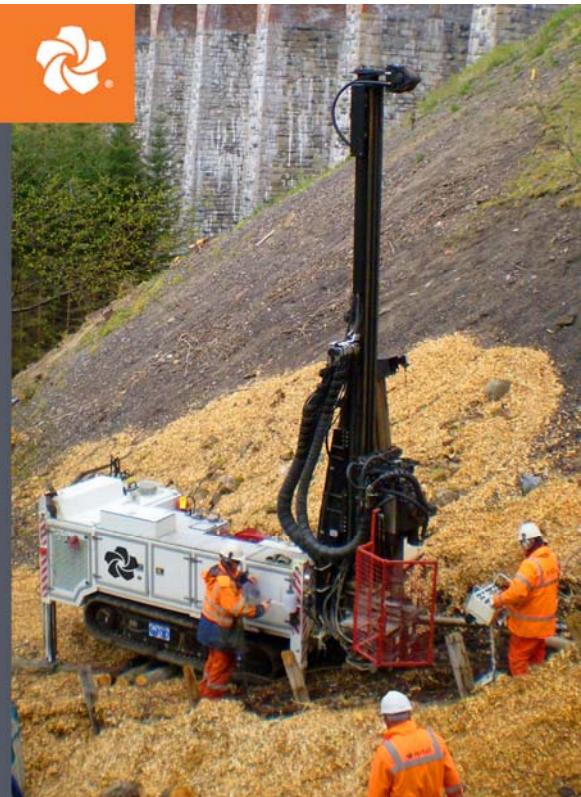
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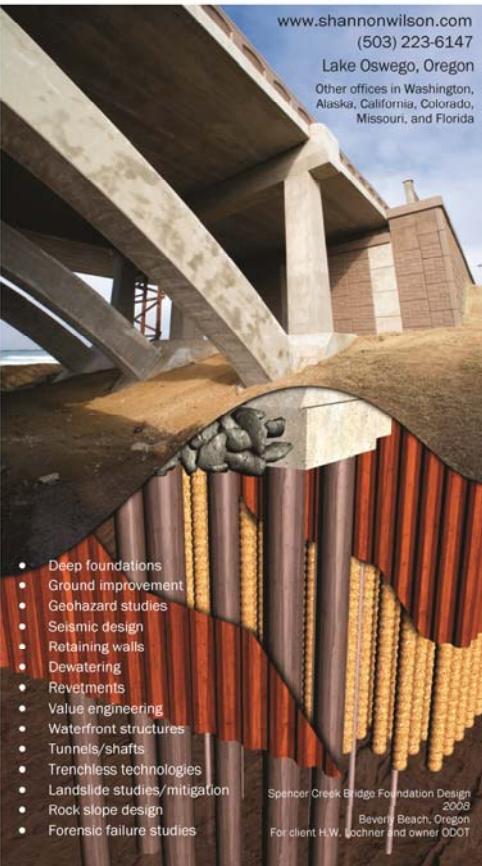
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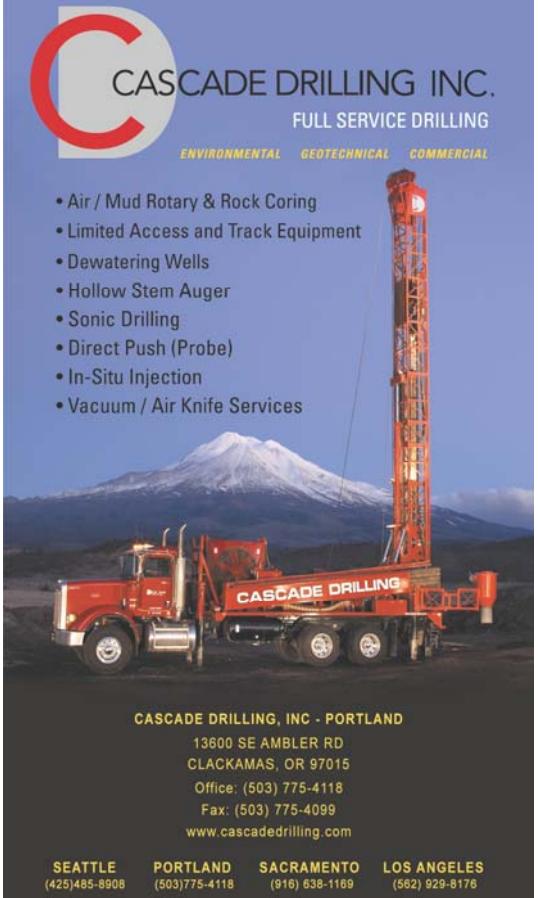
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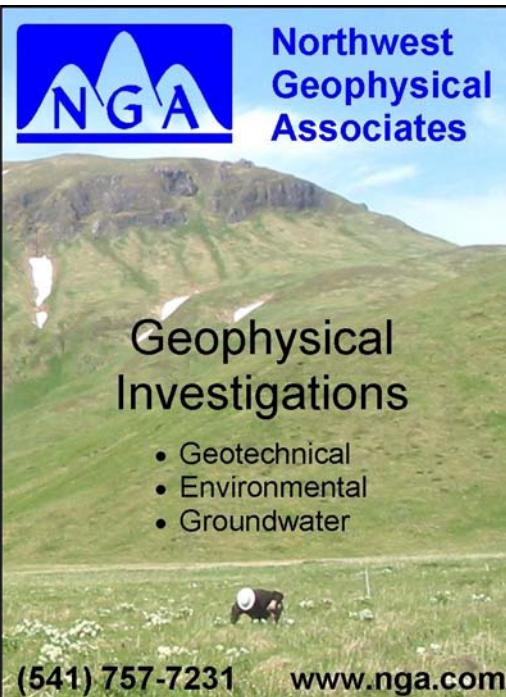


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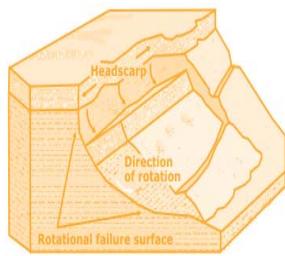
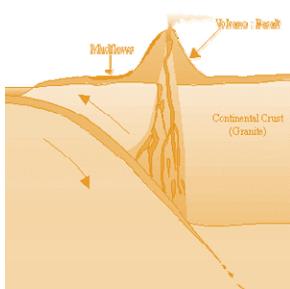
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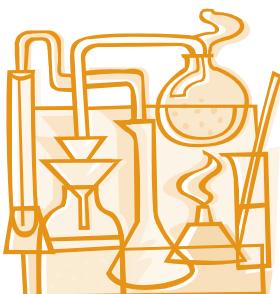
A large, vertical photograph of a landscape with rolling hills and fields in the background. In the foreground, a tall orange drilling rig stands on a grassy area. To the left, a white rectangular box contains the company's logo and information. To the right, three smaller rectangular images show different types of drilling equipment in various settings.

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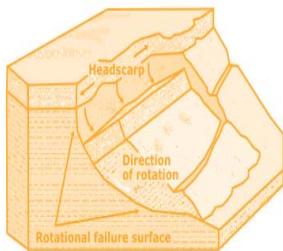
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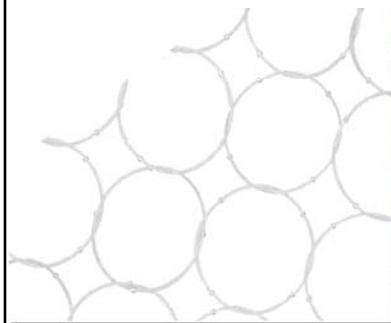
Tim Shevlin, PG

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[tim.shevlin@geobrugg.com](mailto:tim.shevlin@geobrugg.com)

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## Section Officers & Committee Chairs



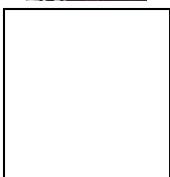
Chair:  
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lglonek@hotmail.com



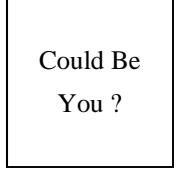
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Kuper Consulting  
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Amec Earth & Environmental  
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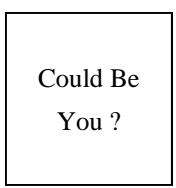
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**National AEG webpage: <http://aegweb.org>**

## The Oregon Section Newsletter

OREGON SECTION AEG NEWSLETTER is published monthly from September through May. Subscriptions are for members of AEG affiliated with the Oregon Section or other Sections, 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: Bill Burns, OR Section AEG Newsletter Editor, Oregon Department of Geology, 800 NE Oregon Street, Portland, OR 97232, e-mail: <bill.burns@dogami.state.or.us>, phone (971) 673-1555. Electronic media is preferred. Deadline for submittal is Friday three weeks before each meeting. Advertising: business card \$100/yr; 1/4 page \$200/yr; 1/2 page \$350/yr. Please notify Bill if you have a change to your email or mailing address.

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