



The Official

# OREGON SECTION AEG NEWSLETTER

## February Meeting Details

**Date:** Tues. February 15th

**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@corforthconsultants.com](mailto:mwegner@corforthconsultants.com)  
with "AEG Reservation" in  
the subject line or 971-222-  
2047 by 4pm Thur. Feb 10th

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

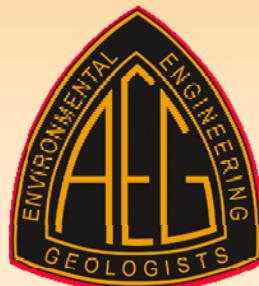
## Upcoming Meetings:

**March 2 - Bill Haneberg**

**March 15 - Rob Witter**

**April 20 - Bruce Hilton**

**May 10 - Student Night**



The February Meetings Guest Speakers are Yumei Wang, Leon Kempner, and Allison Pyrch —Topic: ASCE TCLEE (Technical Council on Lifeline Earthquake Engineering) Reconnaissance for the February 27, 2010 Chile Magnitude 8.8 Earthquake

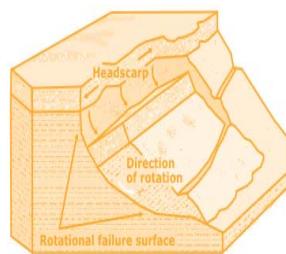
The 2010 Chilean event is unique in that their geology, geography, industry, infrastructure and proximity to a subduction zone are similar to that of the Pacific Northwest. Their experience provides an opportunity for assessing the potential performance of our infrastructure including the PNW power grid system during our expected Cascadia Subduction Zone 9.0 earthquake. Specific topics covered will include:

- Slides and discussion of 2010 Chilean earthquake damage as observed in bridges, roads, soil failures and more
- Discussion of structural performance of electric power facilities and observations with respect to the PacificNW power grid.
- Comparing damage to Cascadia earthquake damage models, which have predicted >\$30 B direct damage, and >5,000 fatalities, tsunami, soil failures, 37,000 buildings completely damaged in the Pacific Northwest
- OSSPAC's (Oregon's earthquake commission) ideas for improving transportation system performance from a Cascadia quake



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

*Karl Terzaghi*



## Bio: Yumei Wang, PE

Yumei Wang is a geotechnical engineer and the Geohazards Team Leader at Oregon Department of Geology and Mineral Industries (DOGAMI). Yumei Wang has been a motivating force in Oregon's earthquake preparedness since she started working for DOGAMI in 1995. She is an active member of ASCE, OSSPAC, and the Western States Seismic Policy Council. Her research interests are geotechnical engineering and geology, geologic hazards analyses and risk reduction, sustainability involving natural hazards and infrastructure and science, engineering and technology policy.

## Bio: Leon Kempner Jr., PE, PhD

Leon Kempner is the Principal Structural Engineer at Bonneville Power Administration/USDOE & 2009 Duke award recipient. Dr. Kempner has 38 years experience as a structural engineer for the Bonneville Power Administration. Assignments have included structural engineering analysis, design, assessment, and research of transmission line facilities (transmission line towers, substation and microwave structures, and seismic upgrade substation control houses). The last 17 years Dr. Kempner has been performing seismic evaluation, research, qualification, shake-table testing, standards development, and mitigation design of the Bonneville Power Administration transmission line facilities. Dr. Kempner has over fifty technical papers discussing structural engineering (analysis, design, and research) of transmission line facilities.

## Bio: Allison Pyrch, PE, GE

Allison Pyrch is a Senior Engineer at Shannon & Wilson, Inc. Allison Pyrch has over eight years of geotechnical engineering experience. She has been involved in the engineering of many types of projects around Oregon, Washington, and California including industrial, residential, commercial, and infrastructure projects. Infrastructure projects she has been involved with include bridges, docks, waste water treatment plants, intersection improvements, and pipeline installations. She is currently working on several large transportation projects around the Portland Metropolitan area.

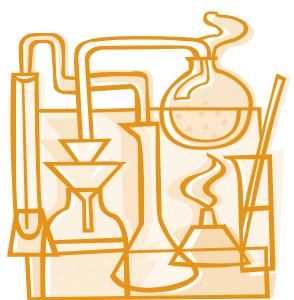
## Message from the Chair

What a great turnout we had for the joint meeting with ASCE last month. Special thanks to Charlie Hammond and George Machan of Cornforth Consultants for their great presentation about a landslide on an African island. Although most of the seats were filled, we did have approximately one dozen people that signed up for the meeting that did not show. Oregon AEG operates on a tight budget and most of the time we are lucky to break even at the monthly meetings. We understand that tight budgets are the norm and we would like to keep costs low. However, if we continue to lose money we will have to reevaluate our finances and possibly increase costs. We enjoy our membership and take great pride in providing wonderful networking opportunities and helping students. Please, if you find out that you will not be able to attend a meeting have your name removed from the list by the deadline for the meeting signup (typically the Thursday before). Additionally, if you do not sign up by the reservation deadline, we will be enforcing the extra \$2 charge. We must charge extra in order to cover our costs and not lose money for the Oregon AEG section. Please welcome Yumei Wang of DOGAMI for a great presentation.

Lisa Glonek  
Oregon Section Chair

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

*Karl Terzaghi*



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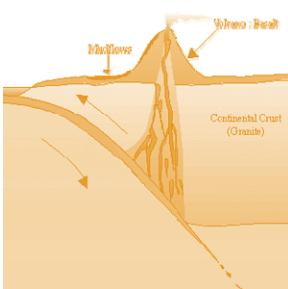
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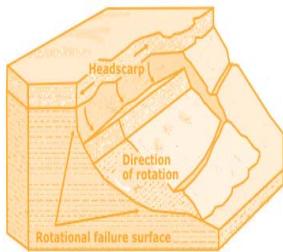


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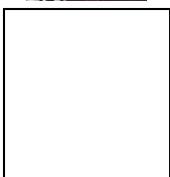
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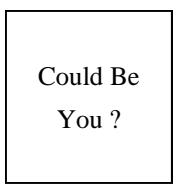
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**National AEG webpage: <http://aegweb.org>**

## 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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