



The Official

OREGON SECTION AEG NEWSLETTER

September Meeting Details

Date: Tuesday, September 18

Location: Lucky Lab Beer Hall

1945 NW Quimby

Portland, OR

6:00 pm Social

7:00 pm Dinner

8:00 pm Presentation

Dinner: Chicken or Veg. Bento

\$16 Dinner (\$8 Students)

Reservations:
mwegner@cornforthconsultants.com
with "AEG Reservation" in
the subject line or 971-222-
2047 by 4pm Thursday Sep-
tember 13th.

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

Upcoming Meetings:

- October 16: Andrew Fountain, Glaciers
- November 14: Dorian Kuper, TBA
- December 18: Ken Cameron, Mt. Hood Debris Flows



NOTE: Meeting is at the NEW Lucky Lab in NW

Septembers Meetings Guest Speaker is Barry Meyers from Engineered Monitoring Solutions Presentation: Why Use Automated Performance Monitoring Systems for Civil Infrastructure Projects?

The need for automated performance monitoring systems is increasing as the infrastructure in the United States continues to age and site conditions for new project development become more challenging. For critical structures the safe performance of key project elements is essential to the on-going success of the project. A properly designed and implemented monitoring system can become an important feature of these projects. Six case studies in the Pacific Northwest will be briefly discussed to illustrate the use of automated systems to monitor the performance of critical facilities. The discussions will focus primarily on why automated

monitoring was selected, and what benefits were derived from its use. These case studies will include the following projects:

1. Settlement monitoring of the Interstate 5 elevated structures at the Beacon Hill Tunnel West Portal.
2. Movement monitoring for repairs to the John Day Lock monoliths.
3. Long term monitoring program for the Washington Park Station elevator shafts.
4. Automated monitoring for Fern Ridge Dam.
5. Real time monitoring for groundwater extraction and treatment system at Gundersen rail car facility
6. Automated structural health monitoring for Interstate 5 Bridge over the Columbia River





Bio: Barry Meyers, PE

Barry Myers is the president of Engineered Monitoring Solutions and a licensed professional engineer in Oregon and Washington. He has a Bachelors and Masters Degree in civil engineering and has been involved in the planning, design, and implementation of performance monitoring and warning system projects for critical civil infrastructure over his entire career. The types of civil infrastructure have included dams, lock structures, landslides, bridges, buildings, underground construction, highways, and watersheds.



Message From The Chair

It's September already – time to start on autumn tasks (including this message), while there are still too many items on the summer to-do list!

As the section experiences its annual shifting and turn-over in officers, I have the pleasure to offer our collective huzzah! to some of our colleagues for their service in the past year. Michael Zimmerman did a great job as our chief, and I will be relying on him for advice (re AEG procedures, secret handshakes, buried treasure, etc.) over the coming year, as he moves into the past-chair post. Thanks also to Brent Black as he retires (ascends?) from past chair, after his five years on our section board. Double-thanks to Lisa Glonek, for arranging speakers and places to hear them (with the associated food and brews) over the past couple of years; and for climbing onto the totem pole as in-coming treasurer this year. Finally, thanks to Mike Marshall and Roland Brady for stepping into

Lisa's shoes as program coordinators. The section's operations depend on volunteers, and we have been favored with the service of many capable people – thanks to all! (And we're always looking for new blood – yours?)

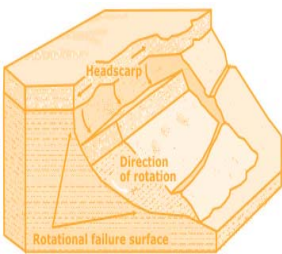
The meeting schedule for 2007-2008 is coming together, and it's going to be an interesting mix of subjects and speakers. We'll have our usual joint meeting with ASCE in January, and student night in April; the Jahns lecturer, John Clague of Simon Fraser Univ., will be coming in May. In addition, we're discussing a road-trip meeting and field trip to Roseburg, to hobnob with our southern Oregon colleagues. Folks in the Washington section are thinking about combining a "field" excursion to geologic-engineering problem sites in downtown Seattle with a Mariners game, and they've indicated that we would be welcome to attend.

Unfortunately, I'm going to

miss the September and October meetings, after getting myself a fall-semester teaching gig on Tuesday and Thursday evenings – but I'm sure that Jason, David and Lisa will handle the meeting chores with more-than-sufficient panache. (The weird Wednesday meeting in November is for my benefit, so sorry for any inconvenience.) I did negotiate time to attend the AEG 75th Annual Meeting in Hollywood this month (I have to go the board meeting, you know ...). I'm particularly looking forward to a field trip to the St. Francis Dam disaster site and La Conchita landslide (see the cover of the meeting program). Hope to catch up with some of you Northwest-erners in L.A. – or at our own meetings later in the fall.

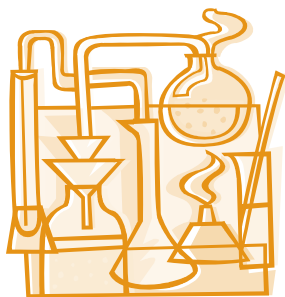
Matt Brunengo

AEG Oregon Section Chair



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

Karl Terzaghi



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 \$10/mo, \$100/

yr; ¼ page \$30/mo, \$200/yr; ½ page \$35/mo, \$350/yr. Please notify Bill if you have a change to your email or mailing address.

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.

**The Oregon Section is also on the web at <http://www.aegoregon.org>
National AEG webpage: <http://aegweb.org>**


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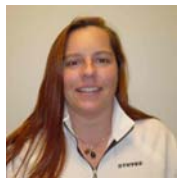
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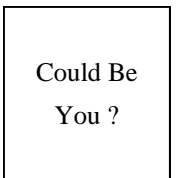
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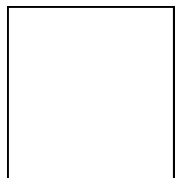
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???

Photo of the Month



The September photo is from Bill Burns from the Oregon Department of Geology (DOGAMI). The photo is of landslide on MARS! It occurred along the very steep and high (several kilometers high) escarpment of the Ganges Chasma. The image was collected by the Mars Orbiter.

For more information see <http://www.msss.com/>

To submit a photo, please email the picture in a JPEG or TIF format to bill.burns@dogami.state.or.us. Also include a short paragraph describing the photo and project.