Meeting Announcement

AEG Sacramento Section

Tuesday, March 24, 2015

Location: Aviator’s Restaurant
6151 Freeport Blvd, Sacramento, CA.
Lots of free parking! Link to map

Speaker: Robert G. Burns, CEG – California Dept. of Water Resources

Topic: “ShakeMaps, ShakeCast, and California Dam Safety"

Agenda:
5:30–6:30pm – Social hour
6:30-7:30pm – Dinner
7:30-8:30pm – Speaker
8:30-8:45pm – Questions

Meeting Cost: $30 members (with RSVP) and $35 non-members
There will be a $3 surcharge for walk-ins
$5 students (no surcharge for student walk-ins)
The FIRST 5 students to RSVP are free

Student Sponsorships welcomed! Sponsor a student for $20

RSVP by going to -- http://www.aegsacto.org/meetings/signup/
or by sending an email to: Tim.McCrink@conservation.ca.gov
California is in earthquake country. With about 1,250 dams under the State’s jurisdiction, DWR’s Division of Safety of Dams (DSOD) requires tools to evaluate the severity of earthquake-induced shaking at dam sites. Traditional methods have involved recognizing the earthquake’s epicenter and magnitude to define a circular area of interest for post-earthquake inspections. After the 1994 M6.7 Northridge earthquake however, digital strong-motion instruments began to replace their analog predecessors. Rapid integration of digital earthquake data from many seismic stations via a common network enables near real-time production of event-specific ShakeMaps that provide a more accurate depiction of the severity of earthquake shaking. DSOD uses the USGS ShakeCast software with its 24/7 service for seeking, downloading, and analyzing new ShakeMap data specific to dam locations. ShakeCast automatically provides email notifications within 10 minutes of a significant earthquake, thus enabling a rapid, prioritized response from the Division.

As an Engineering Geologist at DSOD, Robert is experienced in design review and construction of dams, including foundation characterization, seismic hazard assessment, and development of ground motions for engineering analysis. Some of his more notable projects have included DWR’s Crafton Hills Reservoir Enlargement Dam near Yucaipa, construction of Upper Sand Creek Dam near Antioch, and the San Clemente Dam Removal project near Monterey. Robert has 12 years of experience using Geographic Information Systems, providing support to DSOD, including characterization of watersheds using geospatial data. Since 2009, Robert has maintained and administrated the USGS ShakeCast software at DSOD, ensuring that DSOD staff are notified of significant earthquakes, and are able to prioritize post-earthquake responses.
Here’s your chance to clean out your indoor/outdoor rock garden to make way for some hipper specimen for a great cause!

Donate your pieces of the geologic record to the AEG Spring Rock Sale to help raise funds for the Student Night Scholarship Fund!

Email Meredith Beswick (Mbeswick@kleinfelder.com) with your donations and picture.

Bring any donations to the next AEG Meeting on March 24th.