



October 2017

LOS ANGELES BASIN GEOLOGICAL SOCIETY MEETING ANNOUNCEMENT

October 26 (Thursday) – 11:30 AM

Eldon Gath

President, Earth Consultants International

THE SANTA ANA MOUNTAINS: INDENTER TECTONICS AND THE EARTHQUAKE HAZARDS OF “THE OC”

Abstract

Eldon's talk will explain the tectonic geomorphic evolution of Orange County in Southern California over the past approximately one million years. He will present an analysis of modern seismic hazards and causal mechanisms for recent earthquakes in the area, and propose a collisional indenter model to explain the interaction of strike-slip and thrust faults in the eastern Los Angeles Basin.

The talk will conclude with a question as to how implications for broadly distributed ground deformation, predicted by this model, will affect land use planning, and how and what engineering geologists will need to do to address this issue.

Speaker's Biography

Eldon Gath is a consulting engineering geologist with over 30 years of experience in the identification, investigation, and remediation of geologic hazards. He has particular experience with evaluation of active faults for construction site planning, development of seismic safety programs and policies, and efforts to modernize California's 40-year old active fault zoning act (the Alquist-Priolo Earthquake Fault Zoning Act).

Eldon is a graduate of the University of Minnesota's Institute of Technology, obtaining a BS degree in Geology in 1978. He says he's been in graduate school ever since, including the MS program at Cal State LA (1982-1990), PhD program at UC Riverside (1993-1996), and PhD program at UC Irvine (1998-2008). Despite getting close, he has never completed the PhD degree due to his busy consulting responsibilities, professional organization involvement, and travel schedules (or conflicted priorities, if you ask his advisors).

Eldon is currently President of Earth Consultants International, a geological consulting firm that he co-founded in 1997 after 12 years of working for Leighton Consulting in southern California. He has considerable international experience, including field projects in Turkey, Panama, Mexico, Costa Rica, and Papua New Guinea, as well as involvement in many other projects.

He is a frequent invited speaker to local southern California colleges, and has given over 100 presentations before professional, academic, and public groups since his first professional presentation about the Whittier fault in 1987. He has published dozens of papers on a wide range of geological and professional practice topics, several of which have received awards.

***Join us for Eldon's
informative presentation!***

Meeting Time, Place, Cost, and Reservations

When:

Thursday, October 26, 2017

Meeting Agenda

Lunch Served: 11:30 AM to 12:00PM
Announcements: 11:45 AM to 12:00 PM
Guest Speaker: 12:00 PM to 12:45 PM
Questions/Close: 12:45 PM to 1:00 PM

Place:

The Grand at Willow Street Conference Center located at 4101 East Willow Street, Long Beach, CA (562-426-0555). Take Lakewood Boulevard south from the San Diego Freeway (I-405), turn west onto Willow Street, and turn right onto Grand Avenue at the sign for the Center. Park for free in the multi-level garage structure.

Cost:

Lunch and Speaker: \$25.00 *with reservations*
\$30.00 *without reservations*
Retired: \$20.00
Student: \$5.00

PAYMENTS IN CASH OR CHECK ONLY

Meeting Reservations:

We encourage you to make your reservations using the LABGS web site, at www.labgs.org

Otherwise, call Ryan Weller at (562) 637-6019, or e-mail ryweller@gmail.com.

Reservations must be made by: **10:00 AM Tuesday October 24th** to receive the discount price noted above. **As always, walk-ins are welcome.**

LABGS Board Contact Information:

President: Bert Vogler
(949) 585-3103
hvogler@kleinfelder.com

VP & Programs: Nate Busch
(714) 667-2300
nbusch@eecenvironmental.com

Treasurer: Nicky Oliver
(626) 305-8460
noliver@geomechanicstech.com

Secretary: Ryan Weller
(562) 637-6019
ryweller@gmail.com

Scholarships: Karla Tucker
(714) 658-0474
ktrk2@aol.com

Special Projects: Bill Long
(213) 448-2841
wtlgeoscience@gmail.com

Webmaster: Ivan Aburto
(661) 529-4331
iaburto@labgs.org

OUR WEB SITE ADDRESS:
www.labgs.org

ANNOUNCEMENTS:

Please let a LABGS Board member know if you have a pertinent announcement.