



January 2019

## LOS ANGELES BASIN GEOLOGICAL SOCIETY MEETING ANNOUNCEMENT

*January 24 (Thursday) – 11:30 AM*

**Eric Campbell**

**President, LA Seismic, LLC**

### **ACQUISITION AND USE OF SEISMIC DATA ACQUIRED ALONG THE NEWPORT-INGLEWOOD FAULT IN THE SEAL BEACH/LONG BEACH REGION**

#### **Abstract**

This presentation will discuss the acquisition and use of seismic data acquired over an approximately 30-square mile area along the Newport-Inglewood Fault (NIF) in the Seal Beach/Long Beach region. The seismic data were obtained utilizing the newest available design, acquisition, processing, and interpretation techniques. Data acquisition used technology and methodology that involved state-of-the-art equipment. This eliminated hazards associated with the old technology, and has revolutionized the seismic industry.

The data developed by the project are being used in scientific studies that concern the seismic hazard, deep tectonic structure, and behavior of the NIF. The data play an important role in determining near-surface conditions that would affect the level of ground shaking due to a significant earthquake in the Los Angeles region. The sensor (or "node") density that was used enabled the evaluation of micro-seismicity along the NIF to study its behavior, how deformation is taking place on a small scale, and how the deformation changes with time. The presentation will also include video footage of real-time seismic

activity, captured and interpreted by seismic experts at Cal Tech.

#### **Speaker's Biography**

Eric Campbell began his seismic mapping career in 1974 in Alaska, working on a summer job as a shooter on a Petty Ray Geophysical Crew on a project in the Aleutian Islands that was staged in Cold Bay Alaska.

He worked from 1980 to 1986 with Golden Geophysical (now Fairfield), using the Geosystems Sine Bit 1024 Channel System. This system enabled the first true 3D seismic surveys to be completed. At that time, Dan Hollis worked at Geosystems and was a participant in aiding these surveys.

Eric went on to work in China and again in Alaska for Geosystems.

While working in the LA Basin in seismic mapping for the last 10 years, Eric has been the manager of projects that have placed nodes in over 30,000 locations and have vibrated over 15,000 points.

***Please join the LABGS for  
Eric's interesting presentation!***

## Meeting Time, Place, Cost, and Reservations

### When:

**Thursday, January 24, 2019**

### Meeting Agenda

Lunch Served: 11:30 AM to 11:45PM  
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: \$30.00 with reservations  
**\$35.00 without reservations**  
Retired: \$25.00  
Student: **\$10.00**

**PAYMENTS IN CASH OR CHECK ONLY**

### Meeting Reservations:

**We encourage you to make your reservations using the LABGS web site, at [www.labgs.org](http://www.labgs.org)**

Or, call **Wanjiru Njuguna** at (818) 739-9154 or email her at [wanjiru.njuguna@gmail.com](mailto:wanjiru.njuguna@gmail.com).

**Reservations must be made by:**

**10:00 AM Tuesday January 22<sup>nd</sup>**

to receive reservations discount price noted above

(this will be strictly adhered to)

**But, as always, walk-ins are welcome!**

**OUR WEB SITE ADDRESS:**

**[www.labgs.org](http://www.labgs.org)**

## **LABGS Board Contact Information:**

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### ANNOUNCEMENTS:

LABGS has expanded our meeting raffles. We would appreciate raffle prize donations! *Please bring donation items to the next meeting.*

**We still need a new LABGS treasurer.** *If interested, please contact a current officer and let us know a bit about you. The LABGS executive committee will select from the interested candidates.*

*Please inform a LABGS Board member if you have a pertinent announcement.*