



E.GEO

DECEMBER 2022

In This Month's Issue:

- Support Rocscience AND ASCE OC Geo-Institute's Annual Bowling Social/Fundraiser
- Annual Conference 2023
- November New Members
- Loss Prevention Seminar

Geopros:

Happy holiday season! One of our priorities is to keep you apprised of ongoing with sibling associates and member firms.

- FIRST: Please support valued CalGeo Affiliate Rocscience by taking this [survey](#) to help them in better serving the California market.
- SECOND: If you are in the Orange County area, we encourage you to attend the ASCE OC Geo-Institute's Annual Bowling Social/Fundraiser next Thursday, December 8, 6-8 PM, @ Irvine Lanes. [REGISTER HERE](#) - Proceeds benefit student Geowall efforts.

And now we are pleased to announce that...

...Your Annual Conference 2023 Is Now Open for Registration!

Start your first weekend in December with dreaming of Santa Barbara in April!

Your next steps are easy:

1. [Download the Conference Flyer](#) or keep scrolling, to see all that Annual Conference 2023 will offer.
2. [Register Now](#) to take advantage of early registration pricing (\$999). Don't forget to consider:
 - Adding one of the three Wednesday Short Courses on management, instrumentation, or prevailing wage.
 - Sponsoring one of the tables at our Waterfront Banquet and Casino Nights (sponsors are added to marketing material ASAP), to help contribute to our Student Development efforts
 - Registering your Significant Other to join for social opportunities in an incredible setting
3. [Book Your Hotel Room](#) - It's a CalGeo takeover of the hotel, so make sure to reserve the room you want early!

4. Consider submitting for an Outstanding Project Award. To do so, please review the [Outstanding Project Awards Rules & Requirements](#) and then submit the [Outstanding Project Awards Form](#) and accompanying material. This opportunity is open to CalGeo member firms only, including one category for Affiliates.

REGISTER FOR CONFERENCE NOW

Mar
Monte
Hotel

ANNUAL CONFERENCE 2023



REGISTER HERE

APRIL 12-14

...you will be with us on
the shores of Santa Barbara

**THURSDAY
LUNCHEON &
PRESENTATION**



**FRIDAY AWARD'S
LUNCHEON**



**OPENING RECEPTION
HAPPY HOUR**



**ALL
BREAKFASTS**

Tensar

**ALL
BREAKS**



FIELD TRIP



**BANQUET & CASINO NIGHT
FUNDRAISER FOR
STUDENT DEVELOPMENT**



More Casino Game Table Sponsors to Be Announced!
Reach out to info@calgeo.org to support student
development by being a casino night sponsor.

CRAPS TABLE & BEAN BAG TOSS STATION

ADDITIONAL WELCOME MATERIALS SPONSORS
IDEAL GROUP; PROJECT X CORROSION ENGINEERING;
MORE TO BE ANNOUNCED

sponsors

WED APRIL 12		EVENT	LOCATION	DETAILS
M T M	7:30 - 9:00 AM	Early Check-In, Breakfast	Terrace Deck	Breakfast for Short Course Attendees
	8:00 AM - NOON	Mission Critical Management Strategies for Principals	Terrace I	Jay McRae of PSMJ
	8:00 AM - NOON	Instrumentation with GEOKON	Terrace II	Rob Clark and Nolan Seles
	9:00 AM - NOON	Prevailing Wage and Skilled and Trained Workforce Workshop	Terrace III	Van Goodwin
T	11:00 AM - 12:30 PM	Past Presidents Luncheon	Costa	President, Past Presidents Only
	NOON - 12:30 PM	Lunch	Terrace Deck	Open to Short Course and Field Trip Attendees
	12:15 PM - 4:45 PM	Geology Field Trip	Santa Barbara Area	Bill Kane
	12:15 PM - 4:45 PM	Affiliate Setup	Fireside	
	5:00 - 6:00 PM	Affiliate Round Table	Fireside	Conversation with Neal Berliner
	6:00 - 7:00 PM	Happy Hour Welcome	Terrace Patio	All Attendees Encouraged to Come
	7:00 - 9:00 PM	Board & Past Presidents Dinner	Pacific Ballroom	Invite Only, Second Floor of Main Building

THU APRIL 13		EVENT	LOCATION	DETAILS
T	7:30 - 9:00 AM	Check-In, Breakfast	Pacific Ballroom & Seaview	Second Floor of Main Building
	9:00 - 10:00 AM	General Membership Meeting	Pacific Ballroom & Seaview	Includes Approval of Election
	10:00 - 10:45 AM	Committee Meetings (Start Early if GMM Short)	Pacific Ballroom & Seaview	All Members, Affiliates Should Attend
	10:45 - 11:00 AM	Break	Fireside	Reenergize, Network, Visit Our Affiliates
T	11:00 AM - NOON	Urban Excavations in the Bay Area	Pacific Ballroom & Seaview	Eric Lindquist, PhD, Brierly
	NOON - 12:30 PM	Break	Fireside	Reenergize, Network, Visit Our Affiliates
	12:30 PM - 1:30 PM	Sponsored Lunch	Pacific Ballroom & Seaview	Lunch and Sponsor Presentation
T	1:30 - 2:30 PM	Field Investigation and Design of Debris Nets in an Environmentally Sensitive Area	Pacific Ballroom & Seaview	Bill Kane
	2:30 - 3:00 PM	Break	Fireside	Reenergize, Network, Visit Our Affiliates
	3:00 - 4:00 PM	Cybersecurity	Pacific Ballroom & Seaview	Ray Kim
	4:00 - 6:00 PM	Break	On Your Own	
M	6:00 - 9:00 PM	Waterfront Banquet and Casino Night	Cabrillo Pavillion	Oceanside, Across the Street from Hotel

FRI APRIL 14		EVENT	LOCATION	DETAILS
M T M	7:30 - 9:00 AM	Breakfast	Pacific Ballroom & Seaview	Second Floor
	8:30 - 9:00 AM	Legislative Update	Pacific Ballroom & Seaview	Tyler Munzing
	9:00 - 10:00 AM	Dewatering - Specialized Measures and the Geotech's Role	Pacific Ballroom & Seaview	Bill King
	10:00 - 10:30 AM	Break	Fireside	Reenergize, Network, Visit Our Affiliates
M	10:30 - 11:30 AM	Employment Law & Prevailing Wage Update	Pacific Ballroom & Seaview	Van Goodwin
	11:30 AM - NOON	Break	Fireside	Reenergize, Network, Visit Our Affiliates
	NOON - 1:30 PM	Project Awards Luncheon	Pacific Ballroom & Seaview	Lunch and Sponsor Presentation
M	1:30 - 2:30 PM	Economic Forecast	Pacific Ballroom & Seaview	Robert Eyler

M MANAGEMENT FOCUS

T TECHNICAL FOCUS

agenda

wednesday, april 12



Jay McRae

MISSION CRITICAL MANAGEMENT STRATEGIES FOR PRINCIPALS 8:00 AM-NOON

This year's session focuses on two real-time issues member firms face today more than ever:

- **Secrets of financial management to beat our profit goals**
What are the three drivers of profit? How can we value price our services? What markets are the most profitable and most risky? Should we raise prices and how?
- **Hang onto our top performers while recruiting and growing more of them**
How has COVID changed our work environment? What are smart compensation strategies for our staff? What are the latest techniques for retaining top talent? If we need 25% more staff and only 15% are looking, where do we find the rest?

INSTRUMENTATION: PIEZOMETERS, INCLINOMETERS, STRAIN GAUGES, & MULTI-POINT EXTENSOMETERS 8:00 AM-NOON

Rob and Nolan will provide an overview of some of the details associated with four types of geotechnical instruments commonly used for monitoring applications. One hour each will be dedicated to inclinometers, piezometers, strain gauges, and extensometers, 50 minutes of presentation followed by Q&A.

Discussion will include types of instruments in each category, common applications, installation suggestions/practices, monitoring, troubleshooting, and interpreting the devices' measurements. This session provides a high-level overview of these instruments, but the presenters will also delve into details as time permits.



Rob Clark, PE



Nolan Seles, PG

PREVAILING WAGE AND SKILLED AND TRAINED WORKFORCE WORKSHOP 9:00 AM-NOON

In this three-hour workshop, one of California's premier labor attorneys, Van Goodwin, will guide participants through the details of the rules of California Prevailing Wage and the Skilled and Trained Workforce requirements. He will attend to new developments as well as to current agency enforcement practices.

This workshop is relevant to geotechnical engineers managing projects subject to prevailing wage law as well as to involved administrative staff. The workshop will help attendees to understand how they can work in their roles to ensure compliance during the life of a project. Participants should bring current scenarios and challenges they are facing as the end of the workshop will provide ample time for question and answers with Van.



Van Goodwin, Esq.

morning short courses

wednesday, april 12

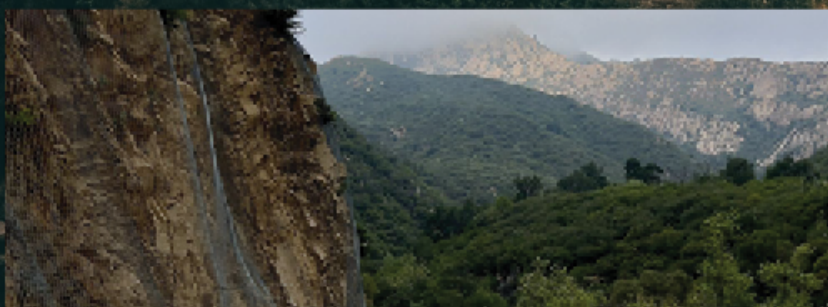


Bill Kane, PhD, PE

Dr. William F. Kane received his B.A. (1975) in Geology from James Madison University and his M.S. (1981) and Ph.D. (1985) in Civil Engineering from Virginia Tech. He is the Founder and President of KANE GeoTech, Inc., Stockton, California, one of the leading engineering firms in the field of geohazards. It consults on a variety of geotechnical problems for public agencies and private industry, especially in the areas of rock and soil mechanics, ground subsidence, slope stability, and geotechnical instrumentation. An award-winning professor, Dr. Kane taught civil engineering and engineering geology at the universities of Tennessee, Pacific, and Alabama-Huntsville. He has authored or co-authored dozens of technical papers and reports. Dr. Kane is a registered professional engineer in 25 states and a registered professional geologist in Tennessee. He also conducts geotechnical engineering workshops in the U.S. and internationally and has appeared as a geotechnical expert both in litigation and on national media outlets including CNBC and CBS radio and television.

FIELD TRIP 12:15 PM-4:45 PM

The interactive field trip will include two hikes of ~45 minutes each on trails of low to moderate difficulty. Attendees will hike a portion of the Los Padres Tunnel Trail to see its jute mat erosion protection, Geobrugg TECCO mesh drapery, and two Maccaferri debris barriers. They will also hike part of the Buena Vista Trail and receive a guided site exploration of a rebuilt culvert and a Geobrugg SVX debris flow barrier built in response to the 2018 Montecito debris flow disaster. Attendees unable to make either hike may stay with the bus or at the trailhead. The final stop will be at Summerland by the Sea to see its stabilization of a recent landslide using high-strength geomesh slope stabilization.



afternoon field trip

thursday, april 13



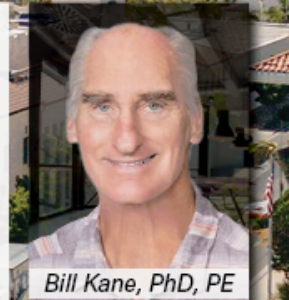
Eric Lindquist, PhD, PE

URBAN EXCAVATIONS IN THE BAY AREA: INCREASING DEPTHS REQUIRE INNOVATIVE SOLUTIONS AND REALISTIC PERFORMANCE EXPECTATIONS 11:00 AM-NOON

Recent construction of public infrastructure and private building developments within the urban cores of San Francisco and San Jose are demanding deeper excavations to accommodate subway stations and multi-level basements. Many of these excavations are on sites surrounded by existing structures and other improvements that require appropriate protection. Both cities have shallow groundwater, with underlying confined aquifers. It is well-recognized that deeper excavations generally result in larger magnitudes of ground movement that manifest over greater distances from the site. Very stiff support of excavation (SOE) systems are capable of mitigating ground movements to some extent. However, support cannot be "wished in place," so the process of progressive support installation will always trigger some movement. Eric will discuss state-of-the-art construction techniques being leveraged to meet the challenges associated with the increasing demand to shore deeper excavations in complex groundwater environments and realistic expectations for SOE system performance.

FIELD INVESTIGATION AND DESIGN OF DEBRIS NETS IN AN ENVIRONMENTALLY SENSITIVE AREA 1:30-2:30 PM

In the Western US, wildfires change the soil chemistry and scorch vegetation that anchors soil. The resulting rapid runoff and erosion can cause debris flows after large fire events in mountainous areas. The December 2017 / January 2018 Thomas Fire was the largest fire in California history, and early January 2018 torrential rains in the Santa Ynez Mountains triggered debris flows that overtopped basins and creeks and resulted in major property damage, injuries, and loss of life. The flows killed 23 people, destroyed 10% of housing, and blocked US Highway 101. A local citizens group formed to quickly protect the community from subsequent debris flows amidst the challenge of local environmental restrictions. Flexible debris nets are lightweight, have a small footprint, can be engineered with straightforward calculations, and are relatively easy to construct. Six such barriers were constructed based on detailed field investigations of the drainages above Montecito. This presentation describes the principles and processes involved in specifying and designing these debris barriers and in addressing the construction challenges and environmental concerns (e.g., protection of stream beds from construction activities, ensuring systems will not trap wildlife).



Bill Kane, PhD, PE

CYBERSECURITY: PROTECTING YOUR FIRM FROM THE EXPLODING NUMBER OF CYBER THREATS 3:00-4:00 PM

Ray Kim is an IT expert with 25 years of experience, in-house at major corporations and as a consultant for businesses of various sizes. His presentation will address critical points for your firm's ongoing cybersecurity success.

- Biggest Threats: Phishing and ransomware
- Data Storage: Best practices for in-house vs. cloud systems
- Incident Response: What to do if you have a breach and why having cyber insurance is mission critical
- Correct Protection: Cyber insurance requirements
- Custom Action: Best practices for firms without a full-time IT team



Ray Kim

presentations

thursday, april 13



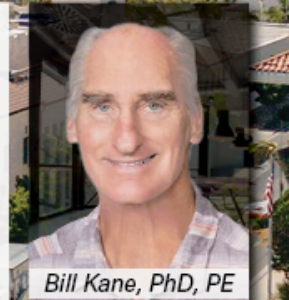
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Ray Kim

presentations

thursday, april 13



You Are Invited

As a fully registered conference attendee (or guest), we cordially invite you to join us for a premium waterfront banquet with hosted drinks and a casino night fundraiser for CalGea's student development efforts.

Date: Thursday, April 13, 2023

Time: 6 - 9 P.M.

*Location: Cabrillo Pavillion
1118 E Cabrillo Blvd
Santa Barbara, CA 93103*

Gaming Details

Starting chips are included with your paid registration. Besides casino games and even a bean bag toss station, opportunities throughout the evening will be provided to increase your chip stack with contributions to CalGea's student development efforts. At the end of the evening, you will turn in your raffle tickets to win raffle prizes ranging from \$125 to \$750 in value.

banquet and casino night

friday, april 14



Tyler Munzing

LEGISLATIVE UPDATE 8:30-9:00 AM

Director of Government Affairs Tyler Munzing manages ACEC CA's state legislative activities, promoting the engineering and land surveying professions. He will provide an update on pending and developing legislation affecting geoprofessionals.

DEWATERING - SPECIALIZED MEASURES AND THE GEOTECH'S ROLE 9:00-10:00 AM

Bill King is a third-generation dewatering contractor representing over 60 years of dewatering experience. Bill is an expert in the temporary dewatering of construction excavations and its use in subgrade stabilization. He has designed and implemented dewatering for many high visibility projects including the Intuit Campus (Mountain View) and the Wilshire Grand (Los Angeles). He will present on how geotechs should support with specific tests, tools, and professional expertise when the dewatering contractor must implement specialized measures.



Bill King



Van Goodwin, Esq.

LABOR RELATIONS UPDATE 10:30-11:30 AM

Van Goodwin, one of California's premier labor relations lawyers, will cover California labor and employment law developments and also provide an overview of the current state of project labor agreements, skilled and trained workforce, and prevailing wage.

PROJECT AWARDS LUNCHEON 12:00-1:30 PM

Learn about some of the best projects recently completed by CalGeo members as winners provide an overview of their firms incredible accomplishments. Large, medium, and small public and private category awards are available along with the awarding of a geocontractor category. Submit to be one of the winners through the deadline of January 31, 2023.



Project Awards



Robert Eyler, PhD

ECONOMIC FORECAST 1:30-2:30 PM

As the economy continues to recover from the pandemic downturn, new challenges have arrived. Higher interest rates and inflation have slowed our economy down and many countries have followed suit. 2023 is likely to be the year where much of the pain—delayed consequences of responses to the pandemic—is felt. 2024 and 2025 may be recovery years again and determine economic conditions leading into the middle of this decade. Dr. Eyler will provide an overview of what is driving national and global economics, what that means for California's economy, construction, housing, and jobs, and how demography may start playing a larger role along with climate change in state and national economic policy decisions.

presentations

staying in the area longer



CLICK HERE

See All Santa Barbara Has to Offer

things to do

[REGISTER FOR CONFERENCE NOW](#)

Membership

November New Organizational Member



[Koury Engineering](#)



[RMA Group](#)

Invite Potential Members

Do you know a geotechnical consulting firm or another geoprofessional services firm in California who is not currently a CalGeo member? Please have any interested firms contact Nick Bundra at nick@calgeo.org.

[See All the Member Benefits](#)



CalGeo Job Board & Career Center

Want to try our job board?

CalGeo's Job Board provides Geoprofessional job listings. Featured posts are also published to the Google Jobs Network. To post a job, [click here](#). Members receive all job board options at half price.

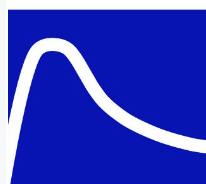
[Visit CalGeo's Career Center](#)

Quick links to current featured job listings:

CalGeo

FEATURED Project to Senior Level Engineering Geologist

Posted: Oct 7, 2022



Cotton, Shires and Associates - Thousand Oaks, CA
Full-time

Salary: null Annually
Application Deadline: N/A



FEATURED **City of LA Registered Deputy Grading Inspector
/ Field Technician**

Posted: Sep 18, 2022

Feffer Geo Consulting, Inc. - Los Angeles, CA
Full-time

Salary: \$55,000.00 - \$80,000.00
Annually
Application Deadline: N/A



FEATURED **Staff Geologist**

Posted: Sep 18, 2022

Feffer Geo Consulting, Inc. - Los Angeles, CA
Full-time

Salary: \$62,000.00 - \$83,000.00 Annually
Application Deadline: N/A



FEATURED **CA Licensed Professional Geologist**

Posted: Sep 18, 2022

Feffer Geo Consulting, Inc. - Los Angeles, CA
Full-time

Salary: \$83,000.00 - \$120,000.00 Annually
Application Deadline: N/A



FEATURED **CA State Licensed Professional
Engineer**

Posted: Sep 18, 2022

Feffer Geo Consulting, Inc. - Los Angeles, CA
Full-time

Salary: \$83,000.00 - \$120,000.00
Annually
Application Deadline: N/A

[View More Jobs](#)

Upcoming CalGeo Events at a Glance

2023

January 18 - May 12: Full-Length, 15-Week PSHA Course (Virtual) with Dr. Norm Abrahamson. **SOLD OUT** - [ADD YOUR NAME TO THE WAITLIST](#)

April 12-14: CalGeo 2023 Annual Conference [DOWNLOAD THE FLYER](#) | [REGISTER NOW](#)

LOOK FOR SEVERAL MORE EVENT ANNOUNCEMENTS STARTING NEXT WEEK, INCLUDING OUR ICC-APPROVED LOSS PREVENTION SEMINAR 2023!

Want to get published in our next e.Geo? Email us at info@calgeo.org. Check out our submission guidelines [HERE](#).

Contact Info:

CalGeo
1048 Irvine Ave. #994, Newport Beach, CA 92660
Tel: 949-391-2436
info@calgeo.org

LinkedIn