



E.GEO

AUGUST 2023

In This Month's Issue:

- Upcoming CalGeo Events - August and September have HOT events!
- First Module in the Updated RGE Exam Study Series - Registration Is OPEN!
- New July Members
- Several New Job Opportunities

Geopros:

CalGeo's networking and educational activities are ramping up full steam in August. You can still secure a place in our August 21 golf tournament at Almaden Golf & Country Club by [clicking here](#) to register.

Also, the first module in our much-anticipated updated RGE Exam Study Series will be held on Tuesday, October 3. Keep scrolling to register and find out more. We plan to release twelve modules in total. Each module will be offered live virtually with an opportunity for Q&A following the presentation. The recorded presentation will also be made available to all those who register in our learning library.

Want to have a voice on what topics we include in our 2024 Loss Prevention Seminar? Please [respond to our survey](#) by next Friday, August 11.

Upcoming Events

August 8: Critical Best Practices for Professional Liability Cost Savings

Hear from the industry leading Professional Liability Insurance provider for geoprofessionals. [REGISTER NOW](#) | [DOWNLOAD FLYER](#)



CRITICAL BEST PRACTICES FOR PROFESSIONAL LIABILITY COST SAVINGS

TUESDAY, AUGUST 8 | 11 AM – NOON | ZOOM

REGISTER NOW

SUMMARY

Terra is the highest-rated Professional Liability provider in America. Established in 1968 for the geoprofessional industry, over the past 10 years, Terra's loss ratio has been 11.4% versus 71.7% for the industry as a whole due to best practices developed by Terra and its shareholders and policyholders. To help your firm benefit from their success, CEO Dave Coduto will address the following items and then conclude with a Q&A:

- Overview, History, and Financial Summary of Terra
- The Professional Liability Industry and Terra
- Best Practices for Your Business
- Critical Success Factors - Smart Management That Reduces the Number and Cost of Claims
- Risk Management and Loss Prevention Tips

Dave L. J. Coduto

CEO of Terra Insurance

Dave Coduto has been the CEO of Terra Insurance for 34 years. Prior to that, he was CFO, Treasurer, and Board Member of Design Professionals Insurance Company (DPIC). He launched his career as an accountant with Arthur Andersen & Co.



Emerging Professionals Webinar
Brought to You by a Valued CalGeo Affiliate

August 11: 2023 Episode I of EP Webinars by EPs - Subsurface Explorations: Scoping, Overseeing, Implementing, and Laboratory (S.O.I.L.)

Join us for the first of six 30-minute EP Webinars by EPs! [REGISTER NOW](#) | [DOWNLOAD FLYER](#)

2023 EPISODE I: EP WEBINARS BY EPs
SUBSURFACE EXPLORATIONS: SCOPING, OVERSEEING, IMPLEMENTING, AND LABORATORY (S.O.I.L.)
FRIDAY, AUGUST 11 | 11 – 11:30 AM | Zoom

REGISTER NOW

Join Us as Luke Covers the Following Topics

- Insight and resources for developing subsurface exploration plans
- Considerations to prioritize when supervising or performing an exploration
- Guidance for assigning and utilizing geotechnical laboratory testing
- Importance of each S.O.I.L. aspect for the success of the overall exploration



Luke Morrell, PE

Project Engineer II, Blackburn Consulting

As a project engineer at Blackburn Consulting, Luke performs geotechnical investigations like scoping, overseeing, and implementing subsurface exploration programs, logging soil and rock borings, testing soil specimens, assisting in forensic investigations, and observing the construction of engineering structures. He also assists in engineering analysis including, but not limited to, settlement, bearing capacity of shallow and deep foundations, slope stability, seepage, rockfall analysis, and geophysical analysis. He provides engineering services for dams, levees, roadways, bridges, pipelines, retaining walls, pump stations, buildings, and other engineering structures. Luke graduated in 2018 from California State University, Sacramento, with his BS in Civil Engineering.



August 21: Northern California Golf Tournament at Almaden Golf & Country Club

The field is filling for our tournament in San Jose. Come join us for an amazing event as we raise funds for Student Development! [REGISTER NOW](#) | [DOWNLOAD FLYER](#)



CALGEO
NORTHERN CALIFORNIA
GOLF TOURNAMENT
MONDAY, AUGUST 21, 2023

Almaden Golf & Country Club
6663 Hampton Drive
San Jose, CA 95120

REGISTER

August 22 & 29: Deep Excavation Calculation and Design Software - DeepEx, SnailPlus, DeepFND

Working on deep excavation projects? Need software training? Join Deep Excavation Founder Dimitrios Konstantakos for our August short course. [REGISTER NOW](#) | [DOWNLOAD FLYER](#)



DEEP EXCAVATION CALCULATION AND DESIGN SOFTWARE

DEEPEX, SNAILPLUS, DEEPFND

TUESDAYS, AUGUST 22 & 29 | 9 AM – 1 PM | VIRTUAL

REGISTER NOW

MEMBERS \$200
NON-MEMBERS \$350
EARLY REG PRICING ENDS AUG 1

CLASS DETAILS

DEEPEX: DEEP EXCAVATION DESIGN (6 HOURS)

This six-hour class will provide an overview of deep excavation design fundamentals. It covers cantilever, single support, and multilevel braced excavation analysis and design, as well as structural wall and support systems, slope stability analysis, finite element analysis, gravity wall systems and abutments, MSE walls, cofferdams, special applications, and dynamic analysis. Additionally, the class will cover citywide models.

SNAILPLUS: SOIL NAIL WALL DESIGN (0.5 HOURS)

DEEPEX: DEEP EXCAVATION DESIGN (1.5 HOURS)

This class will provide a comprehensive overview of the design of deep foundations. Topics to be covered include axial pile capacity analysis, lateral pile capacity analysis, pile groups, 3D finite element methods, and dynamic analysis. Participants will gain a better understanding of the various design considerations when designing deep foundations and be able to apply these methods in practice.

SOFTWARE DETAILS (ATTENDEES WILL RECEIVE TEMPORARY LICENSES FOR USE DURING THE CLASS)

DEEPEX

Developed for engineers like you, DeepEX is an innovative, easy-to-use software program for deep excavations. It solves both geotechnical and structural designs for many wall types, including soldier pile walls, sheet pile walls, and diaphragm walls with multiple sections of reinforcement. DeepEX can also perform slope stability analysis with soil nailing. It comes packed with all structural and geotechnical design codes. Hosting 3000 users worldwide, geotechnical and structural engineers in the US, Singapore, Australia, India, Russia, Ukraine, Turkey, Malaysia, and beyond use DeepEX as their preferred tool for deep excavation design.

SNAILPLUS

SnailPlus is our slope stability analysis and soil nail wall design software. While soil nailing is also available in our DeepEX software program, SnailPlus brings all the necessary capabilities into one package. The software follows the FHWA methodology for the design of soil nail walls in an interactive environment built on the DeepEX basic layout. This means that you can include all intermediate construction stages for your soil nail wall, including 3D loads, in an interactive environment. Last, SnailPlus is the only software that produces a full printable report of all design calculations.

DEEPFND

DeepFND is a powerful, user-friendly program for deep foundations, developed by expert engineers to help you design deep foundations and minimize your risks. It covers all aspects of structural and geotechnical foundation pile design within a superior, interactive environment.

BIOGRAPHY

Dimitrios C. Konstantakos, PE, is the founder and CEO of Deep Excavation LLC, a developer of user-friendly, high-quality, deep excavation calculation and design software. He is also the current chair of the American Society of Civil Engineers' Earth Retaining Structures Committee. Mr. Konstantakos holds a master of science degree in Civil/Geotechnical Engineering from the Massachusetts Institute of Technology and a BS degree in Civil Engineering from the University of Massachusetts Lowell. He has been involved in the design of bridge foundations, tunnels, deep excavations, finite element simulations, piers and bulkheads, pile foundations, and field inspections. Mr. Konstantakos has also taught Support of Excavation Systems as an adjunct professor at New York University.



DIMITRIOS C. KONSTANTAKOS, PE
FOUNDER AND CEO
DEEP EXCAVATION LLC

September 12: So Cal Regional Meeting - Learning from Others' Pain: Loss Prevention from Lessons Learned

Join us in Hollywood to learn from the Geoprofessional Business Association's CEO/Executive Director Joel G. Carson. Flat rate rooms available for those who would like to stay the night. [REGISTER NOW](#) | [DOWNLOAD FLYER](#)



JOEL G. CARSON
CEO/Executive Director
GEOPROFESSIONAL BUSINESS ASSOCIATION

Joel leads, directs, and manages GBA's operations to achieve its Purpose, Vision, and Strategic Plan and he is GBA's primary liaison with members, external parties, and the public.

Prior to his selection as GBA's Executive Director, Joel was a practicing geoprofessional consultant for more than 25 years and upon his retirement from Kleinfelder had served as a Senior Vice President, and Senior Principal owner. A seasoned public speaker, he has presented loss prevention and business optimization topics to thousands of geoprofessionals across the globe.

LEARNING FROM OTHERS' PAIN: LOSS PREVENTION FROM LESSONS LEARNED

You chose a risky profession. Whether a geotechnical engineer, environmental engineer, scientist, geologist, designer, testing and inspection professional, or a support to those fields, you work in a risky environment. Without risk our jobs would be boring and routine. Our profession requires a critical problem solver like you to properly manage risk, whether it is an unanticipated subsurface condition, a weather-related event, or a critical error by an employee or contractor.

Use the time-tested, cost-effective risk management strategies of learning from the mistakes of others!

Join us to learn from GBA's Case Histories Library: real-life projects that went HORRIBLY wrong. With the most common lessons learned in hand, you will be equipped to avoid similar errors on future projects.

DREAM HOLLYWOOD
6417 SELMA AVENUE
HOLLYWOOD, CA 90028

TUESDAY, SEPTEMBER 12

6 PM EAT | 7 PM LISTEN

\$100 CALGEO MEMBERS*
\$100 GBA MEMBERS
\$125 NON-MEMBERS
\$75 EMERGING PROS*
\$25 STUDENTS**

REGISTER NOW



*Government employees receive member pricing. CalGeo Emerging Professionals (<10 years experience) attend for \$75 when registered with a professional. Registration includes talk, dinner, and non-alcoholic drinks. Registrations are transferrable but non-refundable.
**First 10 students will have their registration fee refunded upon attendance. To qualify, the student must pay upon registration and attend the event.

September 13: Nor Cal Regional Meeting - Learning from Others' Pain: Loss Prevention from Lessons Learned

Join us in Concord to learn from the Geoprofessional Business Association's CEO/Executive Director Joel G. Carson. [REGISTER NOW](#) | [DOWNLOAD FLYER](#)

SEPTEMBER 2023 NOR CAL REGIONAL MEETING



JOEL G. CARSON
CEO/Executive Director
GEOPROFESSIONAL BUSINESS ASSOCIATION

Joel leads, directs, and manages GBA's operations to achieve its Purpose, Vision, and Strategic Plan and he is GBA's primary liaison with members, external parties, and the public.

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LEARNING FROM OTHERS' PAIN: LOSS PREVENTION FROM LESSONS LEARNED

You chose a risky profession. Whether a geotechnical engineer, environmental engineer, scientist, geologist, designer, testing and inspection professional, or a support to those fields, you work in a risky environment. Without risk our jobs would be boring and routine. Our profession requires a critical problem solver like you to properly manage risk, whether it is an unanticipated subsurface condition, a weather-related event, or a critical error by an employee or contractor.

Use the time-tested, cost-effective risk management strategies of learning from the mistakes of others!

Join us to learn on the big screen from GBA's Case Histories Library: real-life projects that went HORRIBLY wrong. With the most common lessons learned in hand, you will be equipped to avoid similar errors on future projects.

VERANDA LUXE CINEMA
2035 DIAMOND BLVD
CONCORD, CA 94520

WEDNESDAY, SEPTEMBER 13

6 PM EAT | 7 PM LISTEN

\$100 CALGEO MEMBERS*
\$100 GBA MEMBERS
\$125 NON-MEMBERS
\$75 EMERGING PROS*
\$25 STUDENTS**

REGISTER NOW



*Government employees receive member pricing. CalGeo Emerging Professionals (<10 years experience) attend for \$75 when registered with a professional. Registration includes talk, dinner, and non-alcoholic drinks. Registrations are transferrable but non-refundable.
**First 10 students will have their registration fee refunded upon attendance. To qualify, the student must pay upon registration and attend the event.

September 19 & 26: California Labor Compliance 101

Need your employees to make sure they are up-to-date on prevailing wage, skilled and trained workforce, and apprenticeship requirements? Make sure to have them register for our California Labor Compliance 101. [REGISTER NOW](#) | [DOWNLOAD FLYER](#)



CALIFORNIA LABOR COMPLIANCE 101

HOW TO MAINTAIN COMPLIANCE WITH PREVAILING WAGE, SKILLED AND TRAINED WORKFORCE, AND APPRENTICESHIP REQUIREMENTS
TUESDAYS, SEP 19, 10 AM - 1 PM, SEP 26, 11 AM – NOON | VIRTUAL

REGISTER NOW

MEMBERS \$150
NON-MEMBERS \$300
EARLY REG PRICING ENDS SEPTEMBER 1



CRISTINA AGUIRRE
LABOR COMPLIANCE ANALYST AND TRAINER
ALLIANT CONSULTING

TUESDAY, SEPTEMBER 19

Navigating California state prevailing wage and apprenticeship requirements is difficult. With this training, improve your ability to understand and follow these requirements. Walk through common pitfalls and best practices to ensure your project remains compliant. Particularly, take a deep dive on form DAS 140 because incorrect completion often causes penalties. Overall topics include: Public Works Defined & Governing Law; Public Agency & Contractor Responsibilities; Prevailing Wage Requirements; Certified Payroll Reports; Fringe Annualization; Apprentice Requirements; and Penalties/Best Practices.

TUESDAY, SEPTEMBER 26

California has implemented Skilled and Trained Workforce requirements that mandate contractors working on specific contracts or projects to employ a certain percentage of graduates from a registered apprenticeship program. During this training, we will provide a comprehensive overview of Skilled and Trained Workforce Requirements, best practices to stay ahead, and how to protect your company from potential penalties.

Cristina Aguirre Biography

In addition to conducting training for Alliant's clients, for projects applicable to California prevailing wage, Cristina monitors, collects, audits, and enforces all requirements from the California Labor Code along with DIR-accepted practices to ensure compliance. For projects subject to Davis-Bacon, she follows requirements from the Code of Federal Regulations and DOL-accepted practices to perform the necessary oversight. Cristina coordinates direct communication with the client, prime contractor, and all subcontractors who perform work on site, eliminating costly documentation disruptions or payment withholdings due to misunderstandings. She specializes in managing large project scopes through a team of clerks and analysts.

About Alliant Consulting

Alliant Consulting is a premier prevailing wage compliance firm with over 20 years of experience with State and Federal Prevailing Wage Requirements. Over that time, their work has prevented \$600M of costly penalties assured project funding remains intact. The services they provide include trainings, as-needed consulting, and project oversight, customizing as needed for individual clients and projects.

October 3: Soil Properties and Laboratory Testing

Attend the first of twelve modules in our RGE Exam Study Series. The modules will be held live virtually in late 2023 and throughout 2024. Modules are currently sold on an individual basis only. [REGISTER NOW](#) | [DOWNLOAD FLYER](#)

SOIL PROPERTIES AND LABORATORY TESTING A MODULE IN THE UPDATED RGE EXAM STUDY SERIES TUESDAY, OCTOBER 3 | 10 AM – 1 PM | VIRTUAL

REGISTER NOW

MEMBERS \$75*
NON-MEMBERS \$125*

ABOUT THE UPDATED RGE EXAM STUDY SERIES

CalGeo released its 10-module "Geotechnical Engineer License Review Course" in the late 1980s and early 1990s. Beginning in Fall 2023, CalGeo is releasing an update to this much used course through a dozen iterative live virtual webinars, each of which will be scheduled for two hours of lecture and one hour of Q&A.

ABOUT THE SOILS PROPERTIES AND LABORATORY TESTING MODULE

The Soils Properties and Laboratory Testing Module is comprised of six sections:

- Section 1: Index Properties
- Section 2: Soil Consolidation Properties
- Section 3: Soil Strength Properties
- Section 4: Soil Modulus
- Section 5: Soil Permeability
- Section 6: Other Soil Parameters

ABOUT THE PRESENTER

Debanik has over 30 years of professional experience in management, design, and construction of engineering projects, of which 22 years were providing geotechnical engineering design services to transportation, port and harbor, commercial, and energy sectors. His broad project experience includes tunnel and underground structures for light rail transit, power transmission lines, bridges, water and wastewater facilities, port and waterfront structures, and mid- to high-rise buildings.

Debanik's expertise includes analysis and design of shallow and deep foundations, earth retaining structures and ground support, evaluation of static and dynamic slope stability, seismic ground response analysis, analysis of soil liquefaction, investigation of earthquake-induced ground failures, and numerical modeling of soil-structure interaction. He is a lecturer at California State University at Sacramento, and also taught undergraduate and graduate level geotechnical engineering courses at California Polytechnic State University at Pomona.

**If you have purchased the old RGE Exam Study Materials, you may receive a \$25 discount on updated modules. Contact info@calgeo.org if you need this code.*



DEBANIK CHAUDHURI, PHD, PE, GE
SENIOR ASSOCIATE
SHANNON & WILSON

Membership

Membership Renewals

An email on membership renewal has been sent. As in past years, members who pay by August 31 have the opportunity to receive a 10% discount on their dues or to designate 10% of their dues to Student Development. Like last year, we will recognize all contributing firms on the CalGeo home page.

New July Organizational Members

NOTE: This listing does not include the three firms who joined effective July 1 and were announced in the July e.Geo.



[Smith-Emery](https://www.smith-emery.com/)

New July Individual Members

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. New firms get through September 14 included for free in a 2023-2024 membership purchase.



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.

IMPORTANT: Use the Code INTERNSHIP to post your internship for FREE.

[Visit CalGeo's Career Center](#)

CalGeo



FEATURED

Civil Engineer (P.E.)

Posted: Jun 15, 2023

Sladden Engineering - Indio, CA
Full-time

Salary: \$80,000.00 - \$120,000.00 Annually
Application Deadline: Jun 30, 2023



Staff Engineer - Various Locations Throughout California

Posted: Jun 19, 2023

EARTH SYSTEMS - San Luis Obispo, CA
Full-time

Salary: \$30.00 - \$40.00 Hourly
Application Deadline: Aug 18, 2023



Principal / Associate Geotechnical Engineer

EARTH SYSTEMS - Santa Maria, CA
Full-time

Salary: \$140,000.00 - \$180,000.00 Annually
Application Deadline: Aug 18, 2023

Posted: Jun 19, 2023



Principal / Associate Geotechnical Engineer

EARTH SYSTEMS - Hollister, CA
Full-time

Salary: \$140,000.00 - \$180,000.00 Annually
Application Deadline: Aug 18, 2023

Posted: Jun 19, 2023



Field Technician with Equipment Operator Experience

Sladden Engineering - Beaumont, Riverside County
Full-time

Salary: \$20.00 - \$25.00 Hourly
Application Deadline: Oct 31, 2023

Posted: Jun 9, 2023

[View More Jobs](#)

UPCOMING CALGEO EVENTS AND DEADLINES AT A GLANCE

August 8: Critical Best Practices for Professional Liability Cost Savings with CEO Dave Coduto of Terra Insurance [REGISTER NOW](#) | [DOWNLOAD FLYER](#)

August 11: 2023 Episode I: EP Webinars by EPs - Subsurface Explorations: Scoping, Overseeing, Implementing, and Laboratory (S.O.I.L.) with Luke Morrell, PE [REGISTER NOW](#) | [DOWNLOAD FLYER](#)

August 21: 2023 Northern California Golf Tournament at Almaden Golf & Country Club [REGISTER NOW](#) | [DOWNLOAD FLYER](#) | [SPONSOR](#)

August 22, 29: DeepEX (6 hours), DeepFND (1.5 hours), and Snail Plus (0.5 hours) Virtual Training, 9 AM - 1 PM [REGISTER NOW](#) | [DOWNLOAD FLYER](#)

September 6: Dynamic Compaction EP Webinar with Chris Woods [REGISTER NOW](#) | [DOWNLOAD FLYER](#)

September 12: So Cal Regional Meeting @ Dream Hollywood with Joel G. Carson, CEO/Executive Director of the Geoprofessional Business Association on Learning from Others' Pain: Loss Prevention from Lessons Learned [REGISTER NOW](#) | [DOWNLOAD FLYER](#)

September 13: Nor Cal Regional Meeting @ Veranda Luxe Cinema with Joel G. Carson, CEO/Executive Director of the Geoprofessional Business Association on Learning from Others' Pain: Loss Prevention from Lessons Learned [REGISTER NOW](#) | [DOWNLOAD FLYER](#)

September 19, 26: California Labor Compliance 101 [REGISTER NOW](#) | [DOWNLOAD FLYER](#)

October 3: Soil Properties and Laboratory Testing [REGISTER NOW](#) | [DOWNLOAD FLYER](#)

Week of April 1, 2024: Conference 2024 at Turtle Bay Resort on the North Shore of O'ahu | Sales Short Course April 2-3, Local Field Trip April 3, Regular Programming April 3-5 **SAVE THE DATES**

HELP US ELEVATE THE GEOPROFESSIONS

PLEASE SIGN THE NONBINDING [ELEVATE GEOPROFESSIONAL VALUE ACCORD](#).

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



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