



**SURF'S
UP**

CalGeoSM
The California Geotechnical
Engineering Association

Surf's Up in San Diego

April 10-12, 2019 Kona Kai Resort & Spa, Shelter Island
Additional Short Courses April 9-10

CONFERENCE PROGRAM

ADDITIONAL

Tuesday April 9th

Ownership/Leadership Transition

(Includes lunch, does not include conference)

Presented by Arnon Garonzik, PSMJ

Cost: \$500 Early bird member (\$750 non-member)

\$650 member price *after February 10, 2019* (\$900 non-member)

Time and time again, PSMJ research shows that transition planning is one of the biggest long-term challenges facing A/E/C firm leaders. Many are struggling to answer the question of who will run their firm tomorrow.

But, instead of taking action to develop and implement a proven transition plan, too many firm leaders are putting it off...Instead staying focused on near-term client demands, keeping backlog high, and other day-to-day priorities. However, ignoring transition planning puts the firm's capitalization, clients, and employees in great jeopardy...to say nothing of the evaporating shareholder value that is a near certainty.

Arnon joined PSMJ following a lengthy career in the A/E/C industry with a primary focus on mergers and acquisitions, business valuation, ownership transition and strategic and operational planning. During Arnon's 35-year career, his business focus exposure included nuclear and fossil-fueled power plant engineering and construction, hazardous waste disposal, construction management and construction claims consulting, international environmental engineering and consulting, and environmental construction services and contaminated site remediation.



Mission Impossible MMXIX: Understanding The California Prevailing Wage Law

(Includes lunch, does not include conference)

Presented by Van Allyn Goodwin, Littler Law

Cost: \$135 Early bird member

\$150 member price *after February 10, 2019* (\$220 non-member)

Take a deep dive into the intricacies of the California Prevailing Wage Law, including an interactive discussion, new developments, problems and solutions.

Van Goodwin is a Senior Shareholder with Littler Employment & Labor Law in San Diego, CA. With expertise that covers the full range of employment and labor law, Van Goodwin routinely defends employers in complex employment litigation in both state and federal courts, as well as in agency proceedings before the U.S. Department of Labor, The National Labor Relations Board and various California agencies.

Van frequently speaks on employment and labor relations issues before numerous national, state and local business and professional associations.



10am-4pm

10am-2pm

SHORT COURSES

Wednesday April 10th

Slope Stability using Rocscience Software

(does not include conference)

Presented by Thamer Yacoub, Rocscience

Cost: \$180 member (\$300 non-member)

SAVE \$20 and get a free lunch by attending both AM & PM short courses for \$340!

The objective of this half-day short course is to provide a background on numerical modelling for slope stability analysis using various Rocscience software tools (Slide, RS2, Slide3). Get the most out of the Rocscience slope stability suite through a balanced mixture of lectures and hands-on computer analysis using practical examples collected over the years. Please bring a laptop with Rocscience software or download a trial version ahead of time.

Dr. Yacoub received his Ph.D. in 1999 in Civil Engineering, University of Toronto, Canada. He is a registered professional engineer in Ontario, Canada. His areas of interest include rock and soil mechanics, numerical modeling, slope stability, geotechnical numerical analysis (boundary element, finite element), settlement analysis, and groundwater flows.



CPT Interpretation using CPeT-IT & CLiq

(does not include conference)

Presented by Dr. Peter K. Robertson, Gregg Drilling LLC & Professor Emeritus University of Alberta

Cost: \$180 member (\$300 non-member)

SAVE \$20 and get a free lunch by attending both AM & PM short courses for \$340!

This interactive short course is designed to provide users with a detailed understanding on how to fully utilize the many features in the CPT-based software programs CPeT-IT and CLiq. CPeT-IT is an easy to use software package for the interpretation and application of CPT/CPTu/SCPTu data and CLiq is a similar software package for liquefaction analyses. The two programs provide powerful tools for geotechnical engineers in California.

The course will use worked examples to illustrate application of the software and provide hands-on demonstration. Participants are required to bring a laptop with the software (or free 30-day trial version) installed and operational. The course content will also be flexible in an effort to cover all the topics based on a participant survey at the start of the course.

Dr. Peter Robertson brings more than 40 years experience as an educator, researcher, consultant and practitioner specializing in the areas of in-situ testing and site investigation, earthquake design of geotechnical structures, and soil liquefaction.



8am-12pm

1:30-5pm

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Rocscience www.rocscience.com



San Diego 2019

SCHEDULE

TUESDAY APRIL 9

	Event	Speaker	Location
10:00 - 4:00	● Ownership/Leadership Transition Seminar *	Arnon Garonzik, PSMJ	Del Mar
10:00 - 2:00	● Prevailing Wage Workshop *	Van Allyn Goodwin, Littler Law	La Jolla

WEDNESDAY APRIL 10

	Event	Sponsor/Speaker	Location
7:00 - 1:00	CalGeo Annual Golf Tournament	Farrell Design-Build	Riverwalk Golf Course
8:00 - 12:00	● Slope Stability Short Course*	Dr. Thamer Yacoub, Rocscience	La Jolla
12:00 - 1:30	Lunch for FULL DAY short course attendees		Cabo Courtyard
1:30 - 5:00	● CPeT-IT and CLiq Short Course*	Dr. Peter Robertson, Gregg Drilling	La Jolla
6:00 - 8:00	Welcome Reception & Golf Awards	Farrell Design-Build & Hayward Baker	Cabo Courtyard

* Separate registration required for each short course. Conference registration does not include short courses and vice versa.

THURSDAY APRIL 11

	Event	Sponsor/Speaker	Location
7:30 - 8:30	Breakfast	Tensar	Point Loma I & II
8:30 - 10:00	●● General Membership Meeting & Workshop	CalGeo Board	Point Loma I & II
10:00 - 10:15	Break	Condon Johnson	Point Loma III
10:15 - 11:45	● 2010-2011 Canterbury, NZ Earthquake Sequence: Lessons Learned about Liquefaction & Related Phenomena	Dr. Russell Green, VPI	Point Loma I & II
12:00 - 1:30	● Affiliate Lunch	Malcolm Drilling	Point Loma I & II
1:30 - 2:45	●● Attorney debate	John Broghammer & Lindy Scoffield	Point Loma I & II
2:45 - 3:00	Break	Pavement Recycling	Point Loma III
3:00 - 4:20	● Legislative Update	Kelly Garman	Point Loma I & II
6:00 - 8:00	Reception & Silent Auction		Point Loma III & Terrace

FRIDAY APRIL 12

	Event	Sponsor/Speaker	Location
7:30 - 8:30	Breakfast	Ram Jack	Point Loma I & II
8:30 - 10:00	● Expert Panel: Case History	Panel: DeJong, Green Lew & Robertson	Point Loma I & II
10:00 - 10:15	Break	Ram Jack	Point Loma III
10:15 - 11:45	●● Expert Panel: Discussion Session	Panel: DeJong, Green Lew & Robertson	Point Loma I & II
12:00 - 1:30	Project Award Lunch		Point Loma I & II
1:30 - 2:45	●● Not just a job, but an adventure	Barry Thacker, Schnabel Engineering	Point Loma I & II
2:45 - 3:00	Break		Point Loma III
3:00 - 4:20	● Economic Outlook & Forecast	Dr. Robert Eyler, Sonoma State	Point Loma I & II
6:00 - 8:00	Closing Beach Party	Middle Earth Geo Testing	Private Beach

CONFERENCE

WEDNESDAY APRIL 10

CalGeo Annual Golf Tournament

7:00am Registration & breakfast at course

Location: Riverwalk Golf Club, 1150 Fashion Valley Rd., San Diego

Cost: \$100 (members & guests) \$110 (non-members)

Buy a foursome and save \$20: *Only \$380 for 4!*



Welcome Reception & Golf Tournament Awards

6:00-8:00pm, Cabo Courtyard @ Kona Kai Resort

Join us for some food and drinks and meet and mingle with conference attendees.

THURSDAY APRIL 11

General Membership Meeting ●●

Presented by CalGeo Board of Directors & President David Hamilton

8:30am-10:00

Join us to hear about CalGeo's accomplishments and progress over the last year. The board will report on financial, membership growth and events. Nominations for board positions and ballots will be available for voting.

We will be holding table workshops to brainstorm questions and topics on standard-of-practice in California that can be posed to the panel discussion session on Friday April 12.

2010-2011 Canterbury NZ Earthquake Sequence: Lessons learned about liquefaction & related phenomena ●

Presented by Dr. Russell Green, Virginia Polytechnic University

10:15am-11:30

On February 22, 2011 the M6.2 Christchurch earthquake was the most devastating event in the sequence, resulting in nearly 200 deaths and thousands of injuries, with widespread liquefaction and damage to the built environment. This earthquake sequence provided a unique opportunity to evaluate in considerable depth the effects of earthquake shaking of different intensities on various soil profiles, as well as the effects of liquefaction on building foundations and critical lifeline systems. The focus of this talk is on some of the lessons learned from the Canterbury Earthquake Sequence about liquefaction and related phenomena.



Dr. Russell Green is a Professor of Civil Engineering at Virginia Tech, Blacksburg, VA, in the Geotechnical Engineering Program area. The primary focus of Russell's research is in the areas of engineering seismology, geotechnical earthquake engineering, and soil and site improvement.



Download presentations and more online:

PROGRAM DAY 1

Affiliate Lunch Presentation

Presented by Malcolm Drilling

12:00-1:30pm

Enjoy lunch sponsored by Malcolm Drilling while increasing your knowledge of ground improvement technology through a case history study.



The Gloves are Off! Attorney Debate ●●

Presented by John Broghammer & Lindy Scoffield

1:30-2:45pm

Wake up after lunch with some spirited debate as two construction defect attorney's take on a case history of an elementary school paving project. Learn how poor contracts, site observation and lack of client communication can lead to a host of pitfalls including risk management, indemnity and injuries.

John is an attorney specializing in the representation of design professionals in contract formation and litigation. Following admission to the California Bar in 1990, his practice area has focused on Civil Litigation with a particular emphasis on the representation of architects and engineers. John advises and counsels design professionals in all aspects of contract preparation, risk allocation and insurance issues.



Mr. Scoffield is a partner at Evans, Wieckowski, Ward & Scoffield LLP and has received an AV Preeminent rating from Martindale-Hubbell, the national directory of lawyers. This is the highest possible rating an attorney can receive, indicating preeminent levels of professionalism and the utmost ethical standards. Mr. Scoffield focuses his litigation practice in the area of construction litigation, mechanics liens, stop notices and related bond claims for private and public construction projects, premises liability, real property claims, business litigation, and insurance coverage for personal and commercial liability carriers.

Legislative Update ●

Presented by Kelly Garman

3:00-4:20pm

How does California's government and political policies affect you and your day-to-day work? Turns out, quite a lot! Don't miss this important update on recent legislation and planned changes to California's policies that affect Engineers throughout our state plus contract requirements, indemnity and more.

Kelly Garman, previously the Director of Government Affairs for ACEC California has now moved to Stutzman Public Affairs, a Sacramento based firm specializing in campaigns, communications and crisis management. She will work closely with trade association and issue advocacy clients on developing and implementing effective messaging and navigating complicated policy debates.



Reception & Silent Auction

6:00-8:00pm

Enjoy food, drinks and live music as you stroll around our Affiliate area and bid of great prize packages in CalGeo's silent auction benefitting students and student chapters at California Universities.

www.calgeo.org/sandiego2019

CONFERENCE

FRIDAY APRIL 12

Expert Panel Site Evaluation & Recommendations ●

Moderator: Dr. Peter K. Robertson, Gregg Drilling LLC

Panelists: Dr. Jason DeJong, UC Davis

Dr. Russell Green, Virginia Polytechnic University

Dr. Marshall Lew, Wood Environment & Infrastructure Solutions, Inc.

8:30am-10:00

Our panelists have each been provided with the same data from a California project site. They will each present their findings and recommendations during this session. Questions and discussion will be conducted after all panelists present their guidance and suggestions.

Dr. Peter Robertson brings more than 40 years experience as an educator, researcher, consultant and practitioner specializing in the areas of in-situ testing and site investigation, earthquake design of geotechnical structures, and soil liquefaction.



Dr. Jason T. DeJong is a Professor at the University of California, Davis. He received a B.S.C.E. from UC Davis and an M.S.C.E. and Ph.D. at the Georgia Institute of Technology. After working at the Centre for Offshore Foundation Systems at the University of Western Australia and the University of Massachusetts Amherst, Jason moved back to his hometown of Davis, CA in 2005. His work has been funded through grants totaling more than \$7 million and results have been disseminated through more than 125 publications.



Dr. Russell Green is a Professor of Civil Engineering at Virginia Tech, Blacksburg, VA, in the Geotechnical Engineering Program area. The primary focus of Russell's research is in the areas of engineering seismology, geotechnical earthquake engineering, and soil and site improvement. He has participated in and lead post-earthquake investigations in the US, Iceland, Haiti, Japan, and New Zealand. Russell's most recent research has been in the area of liquefaction evaluation and hazard mapping and he has been heavily involved in the rebuilding efforts in Christchurch, New Zealand.



Dr. Marshall Lew has been practicing geotechnical engineering for over 45 years and has specialized in seismic engineering with emphasis on ground motion and liquefaction hazard with LeRoy Crandall and Associates, Law/Crandall, MACTEC, Amec Foster Wheeler and most recently, Wood Environment & Infrastructure Solutions, Inc. He has a Ph.D. majoring in Structural Engineering from UCLA. He has been involved in many tall building projects (including the tallest buildings in Southern California) and major rail transportation projects. He was co-editor (with Geoff Martin) of the "SCEC Liquefaction Guidelines" issued in 1999.

Expert Panel Discussion Session ●

10:15am-11:45

Our panelists will discuss topics raised in Thursday's general membership meeting workshop and previously submitted questions on suggested common practices encountered by California Engineers. Example state-of-practice topics include: retaining wall design practice, blow count conversions for various samplers, vapor barrier recommendations for slabs on grade, civil/structural plan review process procedures, change of "Engineer of Record" when not performing construction observations.

Download presentations and more online:

PROGRAM DAY 2

Project Awards Luncheon

12:00pm-1:30

Winners of CalGeo's Outstanding Project Awards will be asked to provide a short summary presentation of their award winning project.

Not just a job, but an adventure! ●●

Barry Thacker, The Coal Creek Watershed Foundation

1:30pm-2:45

What can geoprofessionals do to be recognized as leaders in their communities? Try teaching history in K-12 classrooms by portraying a legend of the geoprofession as a living historian who made that history. This presentation will illustrate how it's done. In the process, you might learn that decision makers—potential client representatives, elected officials, and government leaders—share your passion for improving education in your community.

Barry K. Thacker, PE, is the founder of the Coal Creek Watershed Foundation, Inc., a not-for-profit watershed-restoration group. He was also a principal engineer with Schnabel Engineering in Knoxville, TN until earlier this year when he left to focus full time on the Foundation. Mr. Thacker holds Bachelor of Science and Master of Engineering degrees in civil engineering from the University of Louisville. He is a recipient of the prestigious Hoover Medal bestowed by an international consortium of engineering societies, the joint ASCE/GBA Professional Practice Ethics and Leadership Award, and the Governor's Outstanding Tennessean Award. McGraw-Hill's Engineering News-Record magazine named Barry one of construction's top-25 newsmakers in 2013.



Economic Outlook & Forecast for California ●

Dr. Robert Eyler

3:00pm-4:20

Dr. Eyler provides a forecast of the US and California economies starting with global issues down through how different regions of California are performing. With elections over, and more on the way, where is California headed. How are housing and labor markets doing regionally throughout California? Will current forecasts change as 2019 rolls along? What pressure will interest rates rising have on forecasts for 2019 to 2022? Dr. Eyler shares his insights on macroeconomic data, housing and labor markets, California's experiments with legal cannabis and longer term issues to affect the state and national economies.

Dr. Robert Eyler is President of Economic Forensics and Analytics, specializing in public policy analysis for firms and governments. He is also Dean of the School of Extended and International Education and Professor of Economics at Sonoma State University. He earned a Ph.D. from the University of California, Davis and a B.A. in Economics at CSU, Chico. He is often called up by the media for his expertise, and for legal clients acts as an expert witness and forensic economist. Robert is a Sonoma County native, and his family have been sheep and cattle ranchers in Marin and Sonoma counties since 1910.



Closing Beach Party!

6:00pm-8:00 @ the Kona Kai beach.

Don't miss this fun event on our private beach with live music and fire dancing! (weather permitting)

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San Diego 2019

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