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President's Message By Tom Sell

Here we are, already at the end of 2022. I've enjoyed the return of many industry activities and events this year. For the Sierra Chapter, that momentum will carry over into 2023 starting with our annual joint meeting with AP-WA on January 6. Be sure to get signed up before you're distracted by year-end deadlines and the holiday hustle & bustle.

On December 6th, I joined our Chapter VP, Erik Fanselau at the 2022 CRE-ATE Awards Luncheon. I had the honor of representing ACEC while awarding a \$2,000 scholarship to a very deserving local high school student that will be attending Sacramento State and pursuing a career engineering. The brief bios on her and the other future leaders were very impressive. You can read more about the event in an article by CREATE Mentor Erik Fanselau later in this newsletter.

Mark February 8 on your calendars for our annual membership meeting at which we honor Past Presidents of the Sierra Chapter. We will have the current ACEC California President, Raul Laborin, joining us to provide updates from the State.

I look forward to seeing you in 2023. In the meantime, enjoy the holidays!

Calendar of Events

Meetings are held at the Hilton Sacramento Arden West unless otherwise noted.

Member Cost: \$50 - Non-Member \$60

ACEC Sierra Chapter

December 2022
No Monthly General Membership
Meeting in December



Friday, January 6, 2023 Joint Luncheon with APWA,

Location: Dante Club

Speaker:

Elk Grove Mayor Bobbie Singh-Allen

Register Here

Wednesday, February 8, 2023
Past President's and Tim Fleming
Memorial Scholarship Dinner

Speaker: Raul Laborin, ACEC-CA President

(Registration Details Coming Soon)

ACEC California

See attached flyers

Please visit <u>www.acec-ca.org</u> for a complete list of upcoming webinars and on-line classes.



Tom SellSierra Chapter President 2022-2023

November Meeting Recap—David Ericksen, Partner at Collins + Collins and Moya Henderson, Vice President at Assured Partners.

By Chad Coleman, Director

The November 2022 meeting speaker was David Ericksen, Partner at Collins + Collins focused on Construction, Professional Liability, Environmental, and Real Estate practices. Mr. Ericksen was joined by Moya Henderson, Vice President at Assured Partners who provides a full line of professional liability and business insurance to the professional engineering sector.

David presented several case studies of projects that went well and some that did not from a professional liability perspective. A few lessons learned by the attendees include the following.

Management of change during projects is a key responsibility of Project Managers and Principals. This often includes:

- Thoroughly planning the project before beginning.
 - This often include client selection, project selection, team selection, scope for success, risk assessment vs. economic/strategic benefits, etc.
- Understanding that the project we live with is often not the project we planned.
 - Attempt to contain change by contract. This may include definitions of the client/consultant relationship, defining roles on the project including assignment of risks in case the client reduces scope mid-project, and defining responsibilities for risk in cases where changes and substitutions are made during construction.

- Proactively identifying, managing, and leading change throughout the project.
 - Typical flags for change often include: unforeseen site conditions, contractor performance issues, weather, codes & regulations, requests for substitutions during construction, change in key team members mid-project.
- Sometimes, changes proposed by others must be rejected in the name of risk management.

David suggested the acronym IROPE as a tool for managing changes throughout a project lifecycle.

- Issue identify the issue with a potential to be a project or business risk.
- Risks identify the risks that arise from the issue.
- Options inventory the options for addressing the issue and mitigating the risk.
- Plan determine the best course of action and clearly communicate to all parties how the change is to be managed. Be certain to communicate internally so that our own people are well-aware of changed conditions and new expectations.

The presentation was an excellent opportunity to reflect on good business practices and identify internal changes that we may want to consider so that our teams identify and avoid unnecessary risk for our firms and for our clients.

City of Elk Grove Mayor Bobbie Singh-Allen to Address the Joint APWA-ACEC Lunch Meeting on January 6th

By Marco Palilla, Director



Bobble Singh-Allen City of Elk Grove Mayor

Our annual joint meeting with the Sacramento Chapter of AP-WA is Friday, January 6th and always draws a big crowd. This year's event will be a luncheon held at the Dante Club in Sacramento. The luncheon will feature Bobbie Singh-Allen, Mayor of the City of Elk Grove. With a population projected to exceed

220,000 within the next decade, Mayor Singh-Allen and other Elk Grove leaders are acting now to create a vibrant and sustainable city with innovative spaces to live, work and play. Learn more about the projects, programs, people, and possibilities imagined for Sacramento County's second largest city.

Bobbie Singh-Allen was elected Mayor of the City of Elk Grove, CA in November 2020 and reelected to her second term in November 2022. Mayor Singh-Allen draws upon her experience as a resident of Elk Grove for more than 30 years, a former school board member, an immigrant from India, a wife, parent, and a career professional representing statewide associations and communities to advo-

cate for quality-of-life amenities, services, and programs at the local, state, and national levels. Her civic and community engagement has earned her several awards and recognitions.

Join ACEC and APWA members on Friday, January 6th to hear Mayor Bobbie Singh-Allen discuss future plans for Elk Grove!

One Sierra Chapter member firm is invited to sponsor the event for \$250, on a first-come-first-served basis. The sponsorship includes two seats at the table with Mayor Bobbie Singh-Allen and an opportunity to take a couple of minutes to promote your firm to the audience. If you're interested in this sponsorship, please reach out to Lisa Thut of APWA (Lisa.Thut@ghd.com).

Register at this link: https://sacramento.apwa.net/
EventDetails/30402

Where: Dante Club, 2330 Fair Oaks Blvd,

Sacramento, CA 95825

When: Friday, January 6, 2023, doors open

at 11:45am.

Cost: \$35 Early Bird - APWA and ACEC

members only until 12/28. (\$45 non-

members)

\$45 for APWA and ACEC members registering after 12/28. (\$55 for non-

members)



Mentoring our Future Professionals

By Erik Fanselau, Vice President

The Sierra Chapter was pleased to support the CREATE program for the second year in a row. The CREATE (Construction, Re-Development, Engineering, architecture, Trades, Education) program is run by the Construction Industry Education Foundation in partnership with the Sacramento Regional Builders Exchange.

The goal of CREATE is to "educate and inspire stu-



Tom Sell presents the ACEC Scholarship check to Rosement High School student, Yuliana Koronzhak

dents to pursue pathways which create the built environment." This program includes over 75 high schools all over California and over 10,000 students have participated since its inception. The program pairs mentors from the design and construction industry with high school junior and senior students to complete a semester long project that includes planning and design. Last year I served as a CREATE mentor at Whitney High School in Rocklin. This year I was assigned to a class at Granite Bay High School that included 29 students. Among our team of mentors, I was the only civil engineer and was joined by other industry professionals such as structural engineers, mechanical contractors, and site

contractors. I also gave a brief presentation to the class on what I do as a civil engineer and discussed several of my past projects.

The project this semester was to use a set of typical 40-foot-long steel shipping containers to build a new business. The project included site design, drainage and water quality, parking layout, utilities, landscaping, ADA requirements, sketches, calculations, RFIs, and cost estimating. We met with the students weekly and provided guidance on the planning and design process. Students also visited an active construction site at a local high school. The field trip to the job site was a highlight and I believe all of the students enjoyed the opportunity to put on a hard hat and safety vest for the first time. The project culminated in a presentation and competition with groups from other schools at Sacramento State on December 6th.

For the second consecutive year, the ACEC-CA Sierra Chapter provided support to CREATE students with a chapter-sponsored scholarship. At the 2022 CREATE awards luncheon, Sierra Chapter President, Tom Sell, awarded a \$2,000 check to scholarship winner Yuliana Khoronzhak, . Yuliana is a senior at Rosemont High School and intends to pursue a degree in engineering at Sacramento State. She has participated in Rosemont's Engineering Construction Design program for the past three years and has a nearly 4.3 GPA. Yuliana came to the United States from Ukraine when she was only 8 years old and loves math and physics. CREATE is a great way we professionals can support our future members and give back to those that have taken the time to teach and mentor each one of us.

ACEC Scholarship Applications Due by January 27, 2023!

By Marco Palilla, Director



Every year, the ACEC California Scholarship Foundation seeks the best and brightest engineering and land surveying students in California and awards scholarships to them. Over the

years, ACEC California has awarded over \$700,000 in cash grants to hundreds of outstanding students.

The ACEC California Scholarship Awards are funded through generous donations from ACEC California Chapters, member firms, principals and employees. Donations to the Scholarship Foundation, a public non-profit benefit corporation, are tax deductible. Every dollar goes directly to the student – no money is used for overhead or administrative costs. The ACEC California Scholarship Foundation is administered through the generous volunteer work of

ACEC Chapter members.

ACEC California will be awarding up to \$60,000 in scholarships for qualified engineering and land surveying students throughout California for the 2023-2024 academic year ranging from \$1,000 to \$10,000 each. Sierra Chapter members serve as liaisons with local colleges and universities to distribute applications and promote the scholarships. I send information to Sac State and UOP while Rosa Griggs takes care of UC Davis.

ACEC-CA will be accepting applications until 5:00pm on January 27, 2023. The scholarship application is available at this link:

https://www.acec-ca.org/general/custom.asp? page=ScholarshipApplication

and was e-mailed to college Engineering Departments throughout California.

If you know a student who is eligible for this year's scholarship, please pass this information on to them.

Past President's and Tim Fleming Memorial Scholarship Dinner SAVE THE DATE!

By: Marco Palilla, Past President

Please mark your 2023 calendars now for our Past President's and Tim Fleming Memorial Scholarship Dinner to be held on Wednesday, February 8th. Yes, this is a week earlier than usual because we needed to accommodate the ACEC Engineering Excellence Awards Banquet being held on February 15th in Orange County. More details to follow.....

Wednesday, February 8, 2023



ACEC Sierra Chapter Firm Profile

SE LINGINEERING

UNICO Engineering, Inc. (UNICO) is a certified SBE and DBE firm fully committed to providing high quality construction management, systems integration, and land surveying services to public and private clients throughout California. With a spirit of cooperation and partnering, UNICO focuses on responsiveness, delivering value services, and meeting client needs.

Land Surveying

- · Topographic Mapping
- ALTA Surveys
- Boundary Surveys
- Aerial Survey
- Drone Survey
- · Right of Way Engineering
- · Record of Survey
- Construction Staking

Construction Management

- Constructability Reviews
- Resident Engineer and Structures Representative
- Bridge, Roadway, Electrical, and Utilities Inspection
- · Office Engineering
- · Labor Compliance
- Document Control
- · Project Audit Preparation

Systems Integration

- · Verification and Validation
- Configuration Management
- Safety and Security Certifications
- · Interface Management
- · Requirements Management
- Reliability, Availability, and Maintainability (RAM) Management







Client Focused. Quality Driven.



Cesar Montes de Oca, PE I President Mobile: 530.903.9023 UNICO Engineering, Inc.

Folsom | Concord | Oakland | San Diego DBE #41342 | SBE #1756792

2022-2023 Board of Directors

Officers

Tom Sell, President

(Gannett Fleming) 916.677.4775 tsell@gfnet.com

Erik Fanselau, Vice President

(GHD) 916.256.2677 Erik.Fanselau@ghd.com

Donald Blackburn, Secretary/ Treasurer

(Blackburn Consulting) 530.305.0686 donaldb@blackburnconsulting.com

Directors

JD Christiansen

(J Design & Consulting Engineers) 405.650.3711 jdc@jdcengineers.com

Chad Coleman

(Coleman Engineering) 916.791.1188 chad@coleman-eng.com

Howard Michael

(AECOM) 916.266.4938 Howard.Michael@aecom.com

Marco Palilla

(HDR, Inc.) 916.817.4878 Marco.Palilla@hdrinc.com

Rosa Griggs

(Dokken Engineering) 916.858.0642 rgriggs@dokkenengineering.com

Dana Remington

(Psomas) 530.392.5617 dana.remington@psomas.com

State Directors

Tom Sell, President (2026) (Gannett Fleming)

(Gannett Fleming) 916.677.4775 tsell@gfnet.com

Scott Lillibridge (2025)

(Rick Engineering) 916.638.8200 slillibridge@rickengineering.com

Jerry Jones (2024)

(Morton & Pitalo) 916.984.7621 jjones@mpen.com

Kevin Gustorf (2023)

(Wood Rodgers) 916.341.7760 kgustorf@woodrodgers.com

GET NOTICED IN THE SIERRA CHAPTER NEWSLETTER!

Would you like to see YOUR FIRM listed in this Newsletter?

ACEC-CA/Sierra Chapter firms in good standing are invited to submit a company profile for inclusion in this newsletter. **Firms that have not been featured in the last two years are invited to participate again.**

Point of Contact:

Erik Fanselau, Vice President (GHD) 916.256.2677 Erik.Fanselau@ghd.com



Newsletter Editor

Debbie LoCicero

dlocicero@acec-ca-sierra.org

ACEC California Sierra Chapter

You are cordially invited to attend:

ACEC/APWA Joint Meeting

Friday, January 6, 2023

Guest Speaker

Bobbie Singh-Allen, Mayor of Elk Grove

For Meeting Details and Registration Information, Please Click Here:

Cost:

Early Registration—\$35 for APWA & ACEC members and \$45 for nonmembers.

(Early registration closes on Wed. December 28^{th.}

Regular Registration - \$45 for APWA/ ACEC members and \$55 for non-

Doors Open: 11:30 A.M.

11:30pm - 1:30pm: Lunch Meeting

Registration Deadline: Tuesday, Jan. 3, 2023

Venue:

The Dante Event Center 2330 Fair Oaks Blvd Sacramento, CA, 95621



NOTE: Registration is a commitment to pay and no-shows will be invoiced accordingly. Refunds will only be approved upon receipt of cancellation in writing (email) at least 48-hours prior to the event. All refunds will be issued in a form of a check. For registrants who select pay at the door for payment and cancel less than 48 hours prior to the event, the chapter will invoice for the balance due.

UPCOMING UPCOMING







FEBRUARY 15 & 16, 2022 HYATT REGENCY, ORANGE COUNTY

ACEC California's keystone annual event for our 600+ Engineering & Land Surveying firms. The Annual Conference is an opportunity for owners & principals from across California to network, learn and get inspired.

SPONSORSHIP OPPORTUNITIES

DIAMOND | \$8,500

4 All-inclusive Tickets (4 Annual Conference, 4 EEA) · 1 Exhibitor Booth · Introduction for Speed Sessions · Premium pre-event media recognition · Premium event recognition and logo on signage · Promotional item in Conference Tote Bag · 15% off Additional Sponsorships. (LIMIT 1)

LUNCHEON | \$7,500

3 All-inclusive Tickets (3 Annual Conference, 3 EEA) Introduction to luncheon · Recognition on registrant communications · Logo on signage. (LIMIT 1)

CEO LUNCH & LEARN | \$7,500

3 All-inclusive Tickets (3 Annual Conference, 3 EEA) · Event Introduction · Recognition on registrant communications · Logo on signage. - This event takes place on during the Speed Sessions on February 16th and will be a moderated panel of industry CEO's. (LIMIT 1)

WELCOME RECEPTION | \$6,500

3 All-inclusive Tickets (3 Annual Conference, 3 EEA) \cdot Event Introduction \cdot Recognition on registrant communications \cdot Logo on signage. (LIMIT 1)

PLATINUM | \$5,500

2 All-inclusive Tickets (2 Annual Conference, 2 EEA) · Premium pre-event media recognition · Premium event recognition and logo on signage · Promotional item in Conference Tote Bag · 10% off Additional Sponsorships. (LIMIT 2)

ENGINEERING EXCELLENCE AWARDS BANQUET

Supporting Students, Strengthening the Future of Engineering

SCHOLARSHIP FOUNDATION FIFTH ANNUAL FUNDRAISING DINNER

ACEC California Engineering Excellence Awards February 16, 2022, 5:30 PM Hyatt Regency, Orange County 11999 Harbor Blvd, Garden Grove, CA 92840

By supporting the ACEC California Scholarship Foundation, you help cultivate the best and brightest of the next generation of engineers and land surveyors.

All proceeds benefit the ACEC California Scholarship Foundation.



FOR ENGINEERING & LAND SURVEYING STUDENTS

Every year, ACEC California's Scholarship Foundation awards scholarships ranging from \$1,000 to \$10,000 each to deserving college students working toward a degree in engineering and/or land surveying. The top award recipient is nominated to apply for the ACEC National scholarship competition. For this scholarship year, we plan to give up to \$60,000 in scholarships to students!

Scholarship application packets are posted on our website and are also emailed to college Engineering Departments throughout California.

*Requirements:

- 1. Be entering your junior, senior, fifth or master's degree year in the Fall of the year you are applying.
- 2. Upper division undergraduate students must be enrolled full-time and working toward a degree in an engineering or land-surveying curriculum approved by the Accreditation Board for Engineering and Technology (ABET).
- 3. Master's degree students must be enrolled at least half-time, and either be in an ABET-accredited Master of Science (MS) engineering program or have a Bachelor of Science (MS) degree from an ABET-accredited engineering program.
- 4. Applicants must have a minimum grade point average of 3.2 in completed engineering and land surveying courses and a minimum overall grade point average of 3.0 on a scale of 4.0.

WILL AWARD UP TO \$60,000 in Scholarships

For more information and for all requirements, visit: www.acec-ca.org

All proceeds benefit the ACEC California Scholarship Foundation.

Every year, the ACEC California Scholarship Foundation seeks the best and brightest engineering and land surveying students in California and awards scholarships to them. Over the years, ACEC California has awarded over \$800,000 in cash grants to hundreds of outstanding students.

Your donation to the Foundation is an important investment in the future of the engineering and land surveying professions. Helping today's top students become tomorrow's best engineers is crucial to our industry. As the cost of education continues to spiral upward, it is more important than ever that we lend a hand to those deserving young men and women. By donating to the Foundation, you will help

attract and retain the most talented students to the professional engineering and land surveying professions.

With your support, students aspiring to be the next generation of engineers and land surveyors will continue on their path towards entering the workforce knowing that the industry is already actively supporting their success.

RISING COST OF HIGHER EDUCATION

According to the Public Policy Institute of California, the cost of attending a four-year university in California is at an all-time high. Both the University of California and the California State University systems doubled their average tuition and mandatory fees during the last ten years. In total, both institutions more than tripled tuition and fees since the 2000-2001 academic year.

The rising cost of higher education has made financial aid and scholarship opportunities that much more valuable to students – especially those who are seeking to enter a workforce that also requires a graduate degree.

DONATIONS

The ACEC California Scholarship Awards are funded through generous donations from ACEC California Chapters, member firms, principals, and employees. While these donations are deeply appreciated, the ACEC Scholarship Foundation is also endeavoring to expand its support network and is hoping to reach individuals and organizations interested in supporting engineering and land surveying students.

Donations to the Scholarship Foundation, a public non-profit benefit corporation, are tax deductible. Every dollar goes directly to the student – no money is used for overhead or administrative costs. The ACEC California Scholarship Foundation is administered through the generous volunteer work of ACEC California Chapter members. Names of individuals and firms who donate to the Scholarship Foundation will be recognized in ACEC California's monthly newsletter.



All proceeds benefit the ACEC California Scholarship Foundation.

MEET THE TOP AWARD WINNERS

2022-23 Scholarship Winners



Alanna Bantigue San Diego State University Bachelor's in Civil Engineering



Abraham Finkelstein
San Francisco State
University
Master's in Structural
and Earthquake
Engineering

MEET THE STUDENTS

2022-23 Scholarship Winners



Taylor Austin
California State Polytechnic
University, San Luis Obispo
Master's in Environmental
Engineering



Mika Carty California State, Fullerton Master's in Environmental Engineering



Alysha Curtis California State University, Fresno Bachelor's in Civil Engineering



Antonious Elmallakh California State Polytechnic University, Pomona Bachelor's in Civil Engineering



Emily Kretschmer University of Southern California Bachelor's in Chemical Engineering



Ava Mattis
University of California,
Berkeley
Master's in Environmental
Engineering



Jose Perez California State Polytechnic University, Pomona Bachelor's in Civil Engineering



Kirill Rogovoy California State Polytechnic University, Pomona Bachelor's in Civil Engineering



Courtney Rowe California State University, Santa Clara Bachelor's in Mechanical Engineering



Xavier Vera California State University, Fresno Bachelor's in Civil Engineering



Sierra Withers California State Polytechnic University, San Luis Obispo Master's in Civil Engineering

2023 ENGINEERING EXCELLENCE **AWARDS BANQUET**

Yes, I want to strengthen the engineering and land surveying industries and will support aspiring engineering and land surveying students.

PREMIER | \$15,000

Overall Event Sponsor • 1 Table (seats 10) with VIP Service • Your logo will be prominently placed on the stage alongside ACEC California branding . Premium recognition throughout the event & in the program • Digital Signage • Pre-event media recognition.

EEA DIAMOND | \$8,500

1 Table (seats 10) with VIP Service • Premium recognition throughout the event & in the program • Digital Signage • Pre-event media recognition.

EEA PLATINUM | \$6,000

1 Table (seats 10) • Recognition throughout the event & in the program • Digital Signage • Pre-event media recognition.

EEA GOLD \$3,500

1/2 Table (seats 5) • Recognition throughout the event & in the program • Digital Signage • Pre-event media recognition.

EEA WELCOME RECEPTION | \$3,000

2 Complimentary Tickets • Recognition throughout the reception • Event Signage.

EEA SILVER \$1,500

2 Complimentary Tickets • Recognition throughout the event & in the program · Pre-event media recognition.

EEA BRONZE | \$750

1 Complimentary Ticket • Recognition throughout the event & in the program • Pre-event media recognition.

TO SPONSOR: Contact Christian Anger at canger@acec-ca.org

To donate silent auction items, please contact Stephanie Reed at sreed@acec-ca.org

SCHOLARSHIP RAFFLE GRAND PRIZE

Win a trip for two to Maui!

7 Night stay and \$1000 towards airfare included.

ADDITIONAL RAFFLE ITEMS

Wine Club \$250 Amazon Gift Card \$250 Visa Gift Card Gift Baskets and many more to be announced...

TICKETS

1 FOR \$20 OR 6 FOR \$99 Winners will be announced during ACEC California's Legislative Visit Day May 10, 2023.

Need not be present to win.

By participating in the ACEC California Scholarship Raffle you are supporting the Scholarship Foundation which awards scholarships every year to deserving college students working towards a degree in engineering or land surveying.



