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President's Message
 By Kevin Gustorf

Let's Recognize the Surveyors!

Although the name of our organization is the "American Council of Engineering Companies," we are not comprised of just engineering companies. Many of our member firms offer land surveying as a practice, or specialize entirely in land surveying and mapping services. The reason I mention this is that next week we will celebrate National Surveyors Week – the annual week-long celebration of the surveying profession. This year, National Surveyors Week takes place from March 15-21, 2020.

The theme for this year's National Surveyors Week is communication, so even though I am not surveyor, I will attempt to contribute with this message. Education of the public is the number one goal of National Surveyors Week. The work surveyors perform for the benefit of the public often goes unrecognized and its important to share their knowledge. Many people likely do not realize it, but land survey is an important part of our society. Any land owner needs to accomplish it before proceeding to other necessary activities involving land, such as buying, selling, subdividing, mapping and construction.

Surveying is the science of mapping and measuring specific areas of the environment using mathematics and advanced technology and equipment. Land surveying has been around for thousands of years. To be more

(Continued on page 2)

Calendar of Events

Meetings are at the Hilton Sacramento Arden West unless otherwise noted.
 Member Cost: \$50 - Non-Member \$60

Wednesday March 18th, 2020

Joint ACEC-CA Sierra Chapter & Calmentor North Region Dinner Meeting
 Hilton, Sacramento
[Register Here](#)

Wednesday April 15, 2020

12th Annual Ken Kerri Endowment Fund Luncheon
 Location: Sac State Alumni Center
 Guest Speaker:
Tim Washburn with the Sacramento Area Flood Control Agency (SAFCA).
 Registration Details Page 10

Wednesday April 22, 2020

Young Professionals "Luncheon" Forum
 Speaker: Panel
 Hilton, Sacramento
 Detail Coming Soon

Wednesday May 13, 2020

Sierra Chapter General Membership Meeting
 Hilton, Sacramento
 Detail Coming Soon

Please visit www.acec.org for a complete list of upcoming webinars and on-line classes.



Kevin Gustorf
 Sierra Chapter President
 2019-2020

President's Message Continued

Continued from page 1

specific, based on historical records surveying has been used for over 6,000 years. Reports suggest that Stonehenge was constructed with the help of surveyors and employed peg and rope geometry.

Other important evidences of land surveying were reportedly found in ancient Egypt. Egyptians are said to have created a land ownership registry in relation to the importance of land boundaries for taxation purposes. Surveyors were already in existence even before the Great Pyramids were built and before the boundary markers of the overflows of Nile River were reassessed.

As for surveying being a profession, it was the Romans who first recognized surveying as an occupation. In fact, they gave dignity to the field. Land surveyors became in demand during the Roman Empire due to huge expansion and a steady building schedule.

In 1086, an important event took place. William the Conqueror ordered the Domesday Book, a record of landowners and the lands they owned and occupied. For this, the exact boundaries of personal properties were given more importance.

In addition, many prominent figures in the history of United States of America were surveyors, including:

George Washington - One of America's most famous (and earliest) land surveyors. The young future President got his bright start at the age of 17 in 1749. It was not long until he was appointed to be the Surveyor General for Virginia. Washington actually played an essential role at this time, because surveying the land promoted expansion westward.

Daniel Boone - As an American pioneer and explorer from Kentucky, Daniel Boone resolved settler's claims to land. The legend was known to have spent much of his time traveling around the American frontier. In spite of the fact that he had no formal schooling, Boone went on to become an expert tracker by the time he was a teenager. In the years following, he took to surveying.

Thomas Jefferson - George Washington wasn't the only President to work as a surveyor. Thomas Jefferson was appointed to work as the Albermarle County surveyor in Virginia in 1773. He also promoted surveying by sending Lewis & Clark on their expedition to explore the land gained through the Louisiana Purchase.

William Clark & Meriwether Lewis - Lewis and Clark were tasked with some of the most intensive land surveying in American history. While Lewis had a reputation as more of a planner, Clark was an expert surveyor and mapmaker. Together, the partners traveled across the land then known as the Louisiana Purchase, making their way to Oregon to scout it out.

Henry David Thoreau - Though most might know of Thoreau as an author, he actually became a surveyor in the 1850s before he published his books. Being a surveyor allowed Thoreau to use his career to facilitate his hobby. Thoreau used his observations to journal his ideas.

Abraham Lincoln - The nation's 16th President got his start as a self-educated man in Kentucky and later Indiana and Illinois. He worked as a storekeeper and postmaster in addition to surveying land and studying law at the same time.

Surveying tools and techniques have continued to develop over the years, with great strides in recent years. Today, 3D scanning and GPS technologies are prominent in the industry, although many basic surveying methods are still used. And the use of drones, or unmanned aerial vehicles (UAVs), has revolutionized the industry and greatly expanded the capabilities the surveying and mapping profession can provide to society.

In recognition of National Surveyors Week, on the morning of Thursday March 19th, Assembly Member Heath Flora (12th District) is going to present a resolution on the Assembly Floor to highlight the industry and recognize the contributions of surveying to our society. We encourage all of our land surveying professionals who are interested to be present at the State Capitol on the 19th to promote the industry.

Happy National Surveyors Week to all of our surveying professionals!

Past President's and Tim Fleming Memorial Scholarship Award Dinner Meeting Recap.

By Marco Palilla, Chapter Director



Our 9th Annual Past President's Dinner and Tim Fleming Memorial Scholarship Award Ceremony was another awesome evening of history and celebration for the Sierra Chapter. On February 19th, your legendary Past Presidents were joined by an assortment of members and guests including our Guest Speaker, ACEC-CA State President Gary Antonucci. In addition, we were joined by Camilla Saviz, UOP Civil Engineering Department Chair and Dawn Antonucci from the Bay Bridge Chapter.

Although the parade of Past Presidents was impressive, the highlight for me was handing out the Tim Fleming Memorial Scholarship check to Gena Farley of the University of the Pacific. She received a check for \$2,000. This year we also had Ryan Fleming and Susan Fleming Bentley in attendance to award the check to Gena. This was the 9th year

of the scholarship. Remembering Tim's legacy in this way is absolutely a win-win for our Chapter and the schools in our area. Thanks are also due the California Transportation Foundation (CTF), who administers the fund. In addition, the Sierra Chapter Board approved another \$4,000 donation to the scholarship which is now an endowed scholarship!

Following the scholarship presentation, State President Gary Antonucci, provided an excellent overview of ACEC National and ACEC-CA programs, strategies and accomplishments for 2019/2020. In addition, Gary recognized the Sierra Chapter for our outstanding contributions to both the State and National organizations with past officers and committee involvement.

Did you know our Chapter has produced five State Presidents! They include Arnie Spiess, John Baker, Eddie Kho, Rob Salaber and Tom Blackburn. A very impressive list.



Gary Antonucci, ACEC-CA State President

Article continued on page 4

ACEC/CELSOC Sierra Chapter Past Presidents in Attendance

Year	First Name	Last Name	Firm (during Presidency)
1994-1995	Paul	Enneking	Psomas
2000-2001	Eddie	Kho	Morton & Pitalo, Inc.
2003-2004	Tom	Blackburn	Blackburn Consulting
2010-2011	Marco	Palilla	HDR Engineering, Inc.
2012-2013	Steve	Greenfield	Cunningham Engineering
2013-2014	Ted	Hopkins	Shannon & Wilson
2015-2016	Harvey	Oslick	Wood Rodgers
2016-2017	Dana	Remington	AndreggPsomas
2017-2018	Landon	Blake	BKF Engineers
2018-2019	Debanik	Chaudhuri	Shannon & Wilson

Continued from page 3

Gary also inspired all of us to engage our young new leaders in ACEC and continue to support State and National committees.

Finally, Past Presidents joined us from as far back as 1994, Paul Enneking, up through and including the 2018-

2019 Past President, Debanik Chaudhuri. Unfortunately, we forgot to take the annual “Past President’s Photo” so I have listed those in attendance on the previous page.

Thanks again to all the Past Presidents, Gary and Dawn Antonucci, Susan Fleming Bentley and Ryan Fleming, Camilla Saviz, and our scholarship winner Gena Farley for making this another awesome Sierra Chapter event!



Membership

WELCOME
new members

The Sierra Chapter is proud to announce the Board of Directors approved and welcomed the following new firms in the past year:

Firm	Month/Yr. Joined	Member Type	City
Culp & Tanner, Inc.	12/2019	Civil Engineering	Chico
Weber Grant	10/2019	Survey	Stockton
RFE Engineering Inc.	08/2019	Civil Engineering	Roseville
GHD	04/2019	Civil Engineering	Roseville

ACEC-CA Legislative Visit Day: May 20, 2020– Save the Date!

By Marco Palilla, Grassroots Chair



It is not too early to mark your calendars for Wednesday, May 20th for ACEC-California's 2020 Legislative Visit Day. This year for the first time we will be teaming

up with APWA - Region VIII and ASCE - Region 9 to make an even bigger impact on the Capitol with respect to infrastructure advocacy.

For those who have attended in the past, you know this is our annual opportunity to meet with state legislators (Assembly and Senate) and promote our agenda, which includes prevailing wage issues, improved indemnification, infrastructure funding, contracting out, and QBS. Last year's event was a big success and we want to maintain our momentum. Get this event on your calendar now and stay tuned for more updates as we get closer.



March 18, 2020 Joint ACEC-CA Sierra Chapter & Calmentor Meeting.

By Marshall Moore, Director

Join us for a panel discussion focusing on multimodal transportation and the future of California's transportation infrastructure system. Panel members from Caltrans, City of Sacramento, High Speed Rail and WSP will discuss current and upcoming projects, and industry trends in multimodal transportation. These presentations will include both discussions on recent trends in active transportation projects as well as other multimodal transit options including high speed rail and freight movement; how soon till Amazon starts air dropping our packages using drones? Panel members will also answer audience questions.

Panelists include:

- Scott Sauer, Caltrans Headquarters Multimodal System Planning
- Don Hubbard, WSP Senior Technical Principal in Transportation Planning & Modeling
- Melissa Figueroa, High Speed Rail Chief Strategic Communications
- City of Sacramento

Discussion will be moderated by

- Steve Mendenhall, Moderator & Calmentor

ACEC Sierra Chapter Member Firm Profile



BSK Associates is a 100 percent employee-owned consulting firm providing geotechnical engineering, environmental consulting, materials testing/special inspection, and analytical chemistry services. Founded in the Central Valley in 1966, BSK has locations throughout California and Washington.

Geotechnical Engineering

Our Geotechnical Engineers, Professional Engineers, Professional Geologists and Certified Engineering Geologists perform services on many projects, including but not limited to:

- Landslide/slope/roadway instability
- Eroding/failing creek bank repair
- Road/Bridge/Interchange projects
- Retaining wall construction and repair
- Peer review and consulting
- Use of light weight fill
- Slope protection/construction/repair
- Pavement subgrade improvement projects, including soil stabilization

Engineering Geology

BSK's Certified Engineering Geologists perform many types of services, including but not limited to:

- Assessments for hillside grading
- Subsurface drainage design
- Landslide repair and mitigation
- Planning and implementing geologic and geomorphic mapping and analyses
- Geologic/seismic hazard evaluation and site-specific ground motion analysis
- Surface fault rupture hazard studies
- Fault evaluation report peer review
- Slope stability and erosion evaluation

Environmental Consulting

Our variety of environmental experts including engineers, geologists, hydrogeologists, engineering geologists, planners, GIS

specialists work together on environmental projects such as:

- Environmental / Hazardous materials permitting and regulatory compliance
- Phase I and II Environmental Site Assessments
- Environmental / Groundwater monitoring
- Remediation system feasibility studies, design, operation and monitoring
- Water supply analysis
- Solid waste consulting services
- Brownfields revitalization consulting

Materials Testing/Special Inspection Services

Technical staff work under the direction of Professional Engineers. BSK's soils and materials laboratories are certified by agencies including: Caltrans, DSA/LEA, OSHPD, USACE, AASHTO, and AMRL.

BSK maintains AASHTO/Caltrans-approved laboratories in Livermore, Fresno and Bakersfield. Standard tests that our materials laboratories can perform in accordance with ASTM and California Test Methods include:

- Soil, Aggregate, Asphalt
- Concrete
- Masonry
- Structural Steel
- Reinforcing Steel

Analytical Chemistry Services

BSK's Analytical Division is accredited by TNI to perform environmental analyses. BSK is accredited in all six fields of testing for drinking water, all five fields of testing for waste water and all five fields of testing for hazardous waste for Inorganics, Organics, Radiochemistry, Microbiology and Disinfection. BSK is certified to perform all analytical methods for UCMR4 and EPA Method 537 for PFAS.

BSK is certified as a California Small Business for Public Works projects.



20
20

SPONSORED BY:



CALTRANS CALMENTOR NORTH REGION AND ACEC EVENT:

MULTIMODAL TRANSPORTATION / FUTURE OF CALIFORNIA'S INFRASTRUCTURE SYSTEM

WEDNESDAY | 03.18.2020

6:00 P.M. TO 8:30 P.M.

Hilton Sacramento Arden West
2200 Harvard Street
Sacramento, CA 95815

Cost (Includes Dinner)
\$55.00 per attendee

Join us for a panel discussion focusing on Multimodal Transportation/Future of California's Infrastructure System. Panel members from Caltrans, City of Sacramento, and High Speed Rail will discuss current projects, accomplishments, and upcoming project delivery plans. Panel members will also answer audience members questions.

RSVP: March 13, 2020

For Questions | Contact:
Jenna Matsumoto | jenna.matsumoto@dot.ca.gov
530.741.7884

Steven Robinson | srobinson@woodrogers.com
916.341.7760

[Register Here](#)

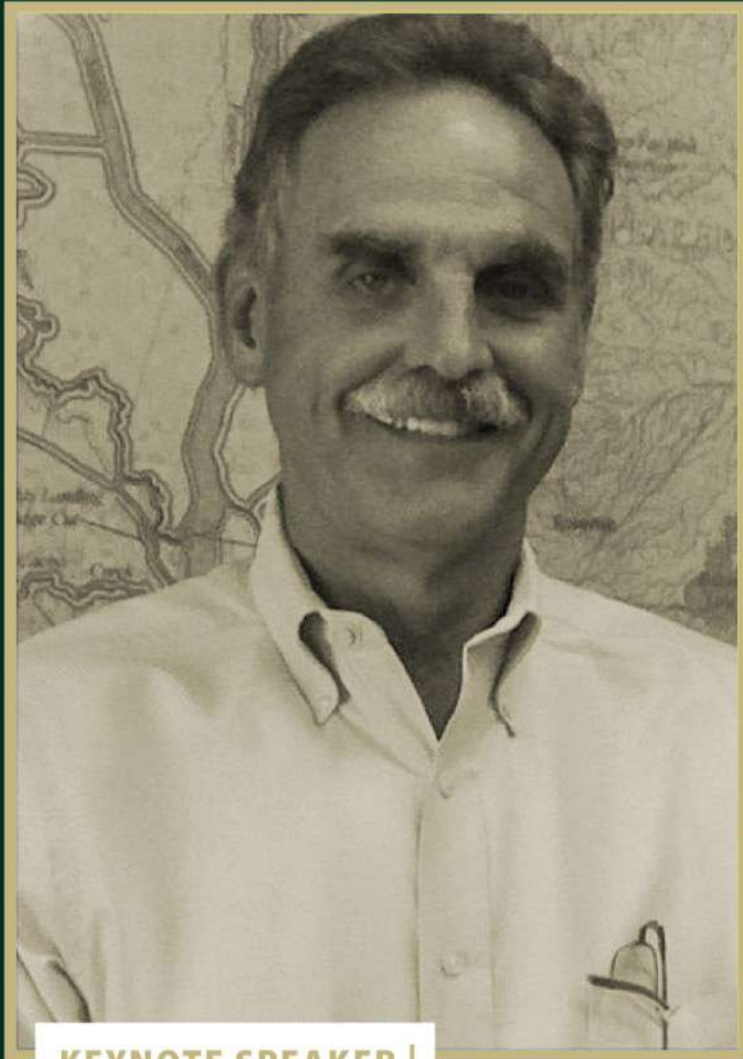
KENNKERRI

Endowment Fund

Advancing Educational Excellence in Civil Engineering



SACRAMENTO STATE
Department of Civil Engineering



KEYNOTE SPEAKER |

Tim Washburn

SAFCA Director of Planning (ret)

12th

ANNUAL LUNCHEON

WEDNESDAY,
APRIL 15

SACRAMENTO STATE
ALUMNI CENTER

11:30 AM - 1:30 PM

DISCUSSING

Managing Water in a
Changing Climate

LIMITED SEATING. RSVP ENCOURAGED.

For info, please contact: Ashley Mihok at (916) 278-6982 or ashley.mihok@csus.edu

www.ecs.csus.edu/ce

KEN KERRI

Endowment Fund

Advancing Educational Excellence in Civil Engineering

The Department of Civil Engineering

is hosting its 12th Annual Ken Kerri Endowment Fund Luncheon on April 15, 2020. Sponsors are needed for the event to build the endowment fund. Seating is limited so RSVPs are encouraged!

SPONSORSHIP OPTIONS

EVENT SPONSOR — \$500

- Two reserved seats at the luncheon
- Recognition as event sponsor on luncheon materials
- Company logo on Department's website and promotional material as event sponsor

2020 ANNUAL DEPARTMENT SPONSORSHIP

The department's Annual Sponsorship Program allows firms to make a single donation for multiple events held during the calendar year. You may designate the donation be directly deposited into the Ken Kerri Endowment Fund on the sponsorship form at:

www.ecs.csus.edu/ce/pdfs/sponsorship2020.pdf

KEN KERRI ENDOWMENT FUND GOALS

- Attract top students to the CE program
- Provide assistantship opportunities for undergraduate and graduate students to participate in research projects as part of faculty scholarly activities
- Improve teaching and learning by allowing the Department to bring educators and scholars of distinction on a sabbatical leave for temporary assignments
- Provide start-up support to faculty members to develop their teaching and scholarship activities
- Support the development of new and specialty courses
- Provide for start-up funds for CE faculty to pursue grants and other funding opportunities, Purchase research and lab equipment

For more information, please contact: **Ashley Mihok at (916) 278-6982**
or ashley.mihok@csus.edu

12th

ANNUAL
LUNCHEON



SACRAMENTO STATE
Department of Civil Engineering

www.ecs.csus.edu/ce

KENKERRI

Endowment Fund

Advancing Educational Excellence in Civil Engineering



SACRAMENTO STATE
Department of Civil Engineering

15

WEDNESDAY, APRIL

LOC. SACRAMENTO STATE
ALUMNI CENTER

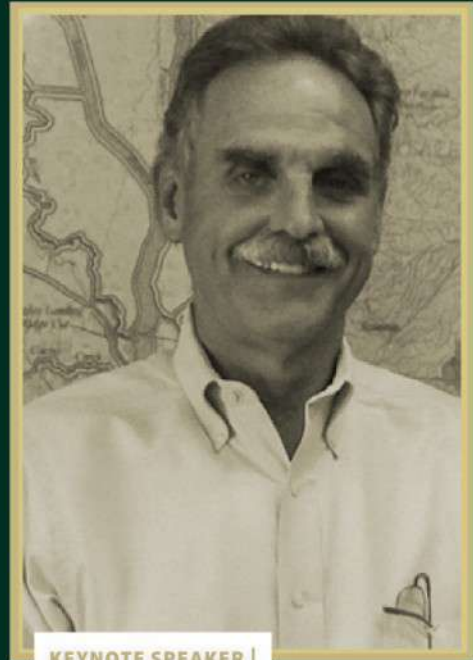
TIME 11:30 AM - 1:30 PM

The Department of Civil Engineering

is hosting its 12th Annual Ken Kerri Endowment Fund Luncheon on April 15, 2020. This year lunch will be served at no cost, however a donation to the endowment is appreciated. Please complete the registration form for each person attending, coordinate a preferred donation method (as outlined below) and either fax the registration form to (916) 278-7957 (Attention: Ashley Mihok) or mail it, along with payment by check to:



Department of Civil Engineering
Attention: Ashley Mihok
California State University, Sacramento
6000 J Street Sacramento, CA 95819-6029



KEYNOTE SPEAKER |

Tim Washburn

SAFCA Director of Planning (ret)

LIMITED SEATING. RSVP ENCOURAGED.

For info, please contact: Ashley Mihok at (916) 278-6982 or ashley.mihok@csus.edu

www.ecs.csus.edu/ce

KENKERRI
ENDOWMENT FUND

12th
ANNUAL
LUNCHEON

REGISTRATION FORM

Lunch is served at no cost, however a donation to the endowment is highly appreciated. Seating is limited so RSVPs are encouraged.

Yes, I would like to contribute to the Ken Kerri Endowment Fund with a donation of: \$25 \$50 \$100 Other \$ _____

I have included a check with this registration form.

I am making a credit card donation at [Sacramento State's secure webpage](#).
(for corporate donations, please list the firm/agency in "Address 2")

▼ Please make checks payable to:
Civil Engineering Department, Sac State

First Name _____ Last Name _____

Organization (if applicable) _____

Address _____

City _____ State _____ Zip Code _____

Phone Number _____ Email Address _____

Alumni B.S. _____ year M.S. _____ year

REGISTRATION DEADLINE: April 3, 2020

2019-2020 Board of Directors

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Dana Remington (2020)

(Psomas)
530.885.7072
dana.remington@psomas.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.** Contact Jerry Jones, Vice President, for submission details.

Point of Contact:

Jerry Jones
(Morton & Pitalo)
jjones@mpengr.com



AMERICAN COUNCIL OF ENGINEERING COMPANIES
California

Debbie LoCicero
Recording Secretary
Newsletter Editor
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