



Focal Point

A publication of the Sacramento Chapter
of the California Lands Surveyors Association

February 2023

Guest Speaker for February: Dean of Math, Science &
Engineering Department (MSE) Angelena Lambert
of Sacramento City College

President's Message

Hello Chapter Members,

With our second meeting of the year quickly coming up, we have been able to keep up the momentum that we gained from our last meeting and are making good progress on future events. We are researching locations for the chapter BBQ, have been receiving a steady stream of membership applications, and are working to revitalize the Focal Point, along with a few other ideas that we have in the works. Your Executive Committee members have set up monthly meetings to go along with the chapter meetings and have voted to elect Carl C. de Baca as the chair of the Sacramento City College Program Advisory Committee. The LS review Class is also well underway, and I've heard that the LSIT test takers who took the test in early January have already received their results, so CONGRATULATIONS to all of you new LSITs. If you are not already, please consider joining a local chapter of CLSA, attending the meetings, and getting involved. It is a great way to network and to give back to the community. We also have the CLSA conference which is quickly approaching. I hope to see you all there!

(See Page 3 for continuation of President's Message)

SACRAMENTO CITY COLLEGE IS BRINGING BACK THE SURVEY PROGRAM!

According to an announcement at the January Sacramento Chapter meeting by John Wilusz PLS, PE, Sacramento City College is reinstating its long-dormant Survey Program and is seeking assistance from the Surveying community on a variety of fronts. The new program, which will start with the 2023 Fall semester, is headed by Kenneth Fitzpatrick, Chair of the Engineering Design Technology Department. The college has spent the last few months going over the old curriculum and updating, improving and/or replacing classes to make a 2-year program that will kick out graduates ready to work in the industry or pursue the baccalaureate degree at Fresno State, or elsewhere.

It looks like some or all of the classes will be available on-line in the evenings, which means your younger staff can still slave away on your workload during the day and then matriculate once you finally let them go home. This is good news! Firms and agencies can help populate the student body and make the program a success, coming right out of the chute.

At the present time, the school is looking at how to accomplish lab work. Other institutes of higher learning with online Surveying classes have developed programs whereby the students are put together with local firms or agencies to take care of the lab exercises. It's obviously quite simple if the students are your employees. But in this interim period, while the school has insufficient equipment to conduct their labs on campus, some students who are not yet employed in the industry may need a firm to step up and help provide lab opportunities. At the present time it is anticipated that Labs would likely be conducted on Saturdays.

As noted above, the school needs survey equipment, so maybe some of that gently used gear, silently collecting dust in your closets would be better off at the school, and with a taxable deduction, to boot.

There may be other ways you can help: Developing recruitment strategies such as promoting the program in local high schools, providing internships to students, and fundraising to purchase new equipment. Think about it, we owe it to the profession to help ensure there is a future cadre of qualified surveyors out there.

At the January meeting, the Sac Chapter created an ad hoc Sacramento City College Program Advisory Committee. **We are looking for interested members to serve on the committee**, as it explores ways to assist the school. If you are interested, please email John Wilusz, Adjunct Professor, Sacramento City College at john.wilusz@scc.losrios.edu or johnwilsusz@gmail.com.

(President's Message continued from page 1)

Thursday evening we'll be hearing from Sherry Toutges about Trig-Star along with Ms. Angelena Lambert, who is Dean of the Math, Science and Engineering Department at Sacramento City College. Dean Lambert will be joining us to discuss the revitalization of the survey program at the college.

Last but definitely not least, I'd like to thank Annette for all of her hard work over that past couple of years as the Focal Point editor. Carl C. de Baca has been gracious enough to take over that role and we're already talking about some things to add so I look forward to seeing where we're able to take it this year. Thank you Annette and Carl!

-Justin Lambert, PLS

JOB POSTING

The CA Department of Water Resources is accepting applications for the Senior Land Surveyor Examination (Exam Code: 2WR47) through February 10, 2023. If you want to work for DWR, you must pass this examination before you can apply for jobs. For more information:

<https://www.jobs.ca.gov/>



The image is a promotional banner for Seafloor Systems. At the top left is a circular logo featuring a satellite and a ship. To its right is the word "Seafloor" in a large, bold, green font. Below the logo and name is a tagline: "Total survey solutions from hydrographers, for hydrographers." The banner is divided into three vertical panels. The left panel shows a person operating a hydrographic instrument on a boat, with the text "Hydrographic Instruments" below. The middle panel shows a yellow unmanned survey vessel on the water, with the text "Unmanned Survey Vessels" below. The right panel shows a 3D bathymetric map of the ocean floor, with the text "Software & Support" below. At the bottom of the banner, there are three pieces of contact information: "www.seaflorsystems.com", "+1(530) 677-1019", and "info@seaflorsystems.com".

Brief note from the new FP Editor

Hi - some of you know me, many of you don't. I was a long-time member of the Sacramento Chapter in the 90's and early 2000's. I served as chapter president in 1998, board rep from 1999 to 2005, editor of the Focal Point from 2000-2002. I did some other CLSA things including representing CLSA at the NSPS on the Board of Governors and then later on the Board of Directors, before moving to Nevada and opening my own business, which I ran for eleven years. After a long hiatus, I'm back in the Sacramento Valley. I'm looking forward to working once more with the chapter and specifically on this newsletter, which is where my journalistic journey began!

Please send your newsworthy items, reasonably-phrased opinion pieces and small surveying stories for publication.

-Carl C.de Baca PLS

CURRENT CHAPTER MEMBERS*

JAMES HOEGEN
PETER BREWSTER
CAMERON CLARK
JAIME ZIEGLER
KYLE BROOK
MICHAEL CHIARA
JERRY JONES
CHRISTOPHER ERIKSEN
LAWRENCE FENSKE
ANDRZEJ NAWROCKI
ROBERT REESE
CHRISTOPHER LERCH
FRED PERRY

ZHOU YUEN
RICHARD LOPEZ
CARL C.DE BACA
PAUL ENNEKING
SHERRIE TOUTGES
ADAM FOSTER
JUSTIN LAMBERT
ANDRIY BUCHKO
DAN BEEVER
ANNETTE HOVORKA
RUSS SMITH
RICH AVILES

** PRELIMINARY LIST. THIS WILL BE
UPDATED IN THE COMING MONTHS*



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Carlson | BRx7

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Why Belong to the Chapter and Why Attend the Chapter Meetings?

Over the past 25 years the Sacramento Chapter of CLSA has shrunk and grown cyclically. We've always had a fair number of members but when you look at attendance and participation at chapter meetings it's a different story. Meeting attendance had some single-digit years in the late Nineties and then grew to where we averaged over 25 attendees a month, and then over time, we have shrunk back down to a more modest number. Why is that?

The work of the California Land Surveyors Association on behalf of the Profession of Land Surveying begins at the Chapter level. The chapter is where new ideas are generated, issues are debated and carried forward to the State Board, and where you can most easily see that your voice counts and that you can make a difference.

Let's assume you don't need a primer on the importance of CLSA and that you recognize that the organization fights for you in a wide variety of ways. That is a long-established and indisputable fact which should be quite obvious. Okay, then perhaps you are reasoning that all this good work is done by the state board and by the officers of CLSA, meaning you don't need to waste your time at chapter meetings. Fair thought, at least on a superficial level. But where do the board members and officers come from? That's right, the chapters, like this one.

A chapter is at its most effective operation when there are plenty of people to choose from for the officer positions, committee chairs and members, and most especially, the representatives selected by the chapter to sit at the state board meetings and bring our concerns forward and to bring back issues from other places in the state. That is hard to do when we can't even field those board positions.

So, if you are not a member, please join the Sacramento Chapter of CLSA and find a way to get involved. And if you are a member but you don't come to the meetings, then by all means make a new year's resolution to show up, have your voice heard and help give us direction and energy going forward.

-ED.

INFLUENCING THE NEXT GENERATION

A recent search on *Indeed.com* for jobs in “land surveying” pulled over 180 available jobs in California. As an employee of the largest workforce of land surveyors in California (Caltrans), I know there are over 100 vacancies statewide that need to be backfilled and those numbers are rising. While not a true measure of the job market for Land Surveyors in California (adding these two numbers), I think it is safe to say that the “Silver Tsunami” has hit our profession.

While the Baby Boomers (1946-1964) are retiring and Gen Xers (1965-1979) are looking at retirement, the legacy of our work and profession are left to the next three generations and it can't keep up. We've been warned and whether it was our stubbornness or past/current practices in promoting our profession, we are fast approaching critical mass.

What are we doing to promote and educate the next generations of our profession? How are we letting the public know who we are, what we are, and our value to them? Better question.... What are YOU doing?

The past few years, there has been an upsurge of resources that are available to us to help promote the land survey profession. Most notably, www.getkidsintosurvey.com. This is a great program that targets grade school (Gen Alpha), and includes fun posters, exciting characters, teaching aids and much more. Better yet, it's current, fun, and has worldwide sponsorship. But let's not forget the continued efforts of the Boy Scout Merit Badge and Trig-Star.

The Boy Scouts of America reach out to over 1.2 million youth annually and while the *Surveying Merit Badge* is one of the original badges (since 1911), it is available only to those active scouts who choose or request the badge. This program is turnkey and with minimal equipment and effort from a knowledgeable surveyor to assist with measurements and computations, this program continues to have great potential.

Trig-Star is a high school math competition which has, in the past, been quickly dismissed as a program “targeting only the best in math that have most likely already decided on a career path”. In truth, Trig-Star is an awareness program that gives us the opportunity to directly influence high school students (Gen Z) who are preparing for the “real world” and may not have figured out their path in life. As a Land Surveyor in California, we have the unique option of licensure through formal education, apprenticeship, internship, or a mix thereof, allowing flexibility to gain knowledge in a setting that works best for the student. Not all of us can manage college but learn more effectively by heading directly into the workforce.

What many fail to see, is that the Trig-Star program is our gateway into a school to provide information about our profession, its benefits, and a potential career. The high schools see this program as a way to show practical applications of math in the real world. Many may think that high school is already too late to reach out, but it's a start. This program is as much about education and awareness as it is about recruiting and influencing the next generation. It is also turnkey (no math skills needed) and all that is needed are professionals willing to share their passion, experience, and knowledge of land surveying to local high school students.

We are fortunate our profession easily fits within the heavily influence of STEM (Science, Technology, Engineering, Math) and STEAM programs (Science, Technology, Engineering, Art, Math), but until we can sit at the table with career counselors who help to promote Career Technical Education programs, we need to do our part in our own communities to help influence the next generation and further your legacy as a land surveyor.

To learn more about Trig-Star and how you can take part and be an active sponsor for a local high school, contact Sherry Toutges at CAtrigstar@gmail.com.

Sacramento Chapter, CLSA

Minutes for meeting of January 12th

The meeting was held at Logans in Natomas called to order by President Justin Lambert. The following were in attendance:

John Wilusz, Carl C. de Baca, Annette Hovorka, Justin Lambert, Rich Aviles, Bob McKenzie, Andriy Buchko, Dan Beever, Paul Enneking, and Russell R. Smith.

President Justin reported on the following:

1. Holiday Party
 - a. Held at Zocalo in Folsom with 16 in attendance.
2. Slate coasters were ordered as thank you for speakers, LS review presenters, possible raffle prizes, or to sell.

Vice President Russ Smith reported on the following:

1. Next Meeting
 - a. Speaker will be Kevin Akin from Cal Fire
2. Trying to cleanup evite email list. Currently have 498 entries on the list with several changes to existing emails.
3. Looking for LS review presenter for Laws and codes
4. Kevin Akin has donated one of his violin for the conference

Secretary Annette Hovorka reported the following:

1. There were no minutes for the holiday party.
2. Quarterly Chapter reports are due to CLSA by 1/23

Treasurer Adam Foster reported:

1. Total of \$5816.98 in checking
2. The following were paid out:
 - a. PO Box payment coming up
 - b. Paid for Sac Maps website – \$111.24
 - c. Paid for slate coasters – \$392.49 (100)
 - d. 5 - \$500 scholarships awards to students

Director's Report

1. There were no reports, but the following was announced:
 - a. Upcoming meeting on 2/4, but virtual and in person in Oakland
 - b. Chapter is looking for a 2nd person to fill the director's position

The follow was discussed during the Chapter planning session:

1. Discuss Chapter Website being kept up
 - a. Adam is maintaining.
2. Discuss Focal Point
 - a. Ideas or contributions, please send to our NEW editor Carl de Baca
3. CLSA Upcoming Conference (March 25-28)
 - a. Should be a good chapter presence.

(Chapter continued from page 6)

General Due Dates for Reports to the CLSA Main office from our Chapter.

1. 1/23/23 Quarterly Chapter Report is due
2. 2/4/23 – CLSA BOD Meeting (in person)
 - **Need to update below dates**
1. March 1 – Chapter Financial Reports Due
2. Last Saturday in April – CLSA BOD MEETING (Virtual)
3. Last Saturday in July – CLSA BOD Meeting (in Person)
4. July 31 – Chapter Membership Roster Due (Full Paid Members)
5. September 15 – CLSA Education Found. Scholarship Pledges Due
6. First Saturday in November – CLSA BOD Meeting (Virtual)
7. December 31 – Annual Chapter Reports Due
8. December 31 – Award Submissions Due

Old Business

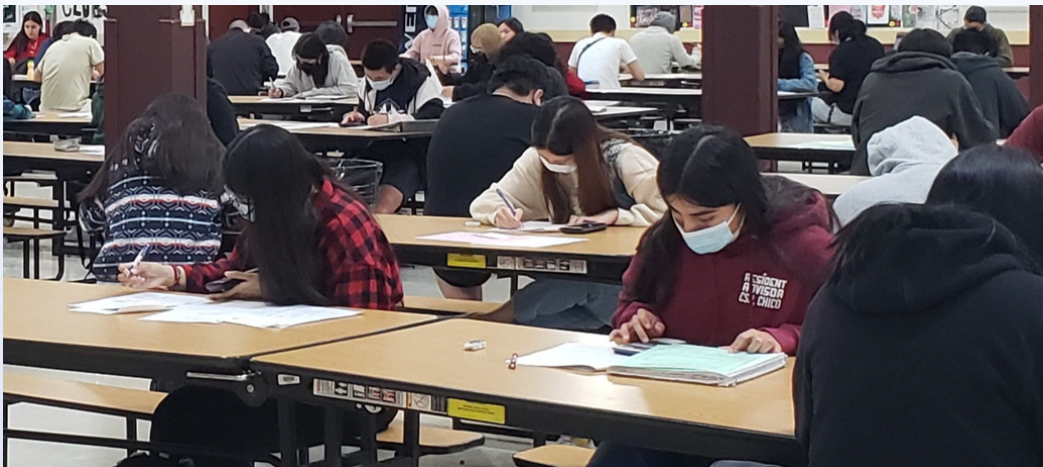
- a. Survey Olympics an picnic
 - i. Discussion of having Picnic in June and potentially at Ancil Hoffman park.

New Business

- a. Ideas discussed for this year
 - i. Motion was made and seconded to include membership to chapter with enrollment in the LS Review class. This will include and upgrade in membership to LS level if pass this year. Motion passed.
 - ii. Some additional ideas for Chapter outing included BBQ, Glow Golf, Disc Golf, and Rivercats game.
 - iii. Setup a seminar committee.
 1. Possible Presenters?
 - iv. Get list of Sacramento area LSs from State to do a membership drive. Need to create a reason for them to join. Be an active chapter.
 - v. Do a joint meeting/activity with Gold Country Chapter
 - vi. Surveyors/Engineers week activity.
- b. Does anybody know where the Chapter By-laws are? Should these be reviewed and updated? It looks like in 2020, Cameron Clark was going to review and update. Need to see if that ever happened.
- c. A lengthy discuss about Sacrament City College starting up a two year surveying degree again. Much of the discussion center around making access to equipment, especially for GPS, to the student and possible technical advisory council creation. The chapter

President Justin reported on the following Committee assignments and looking to see if these are still accurate:

1. Standing
 - a. Bylaws – Cameron Clark,
 - b. Education / Scholarship –
 - c. Membership – Curt Castro
 - d. Nominating – Matt Stringer



TrigStar in Action!

(continued from page 7)

2. Ad Hoc

- a. Calibration Baseline – Cameron Clark
- b. Focal Point Editor – Carl
- c. Glow Golf – Sherrie Zimmerman
- d. Government Liaison –
- e. Leg Committee –
- f. LS Review – Russ Smith
- g. Outreach –
- h. PCC –
- i. Sacmaps.com – Jerry Jones
- j. Scouting – Bob McKenzie
- k. Trig Star – Sherry Toutges
- l. P.O Box – Adam Foster
- m. Web Site -, Sacramento-CLSA.org
- n. Workshops / Seminars – Cameron Clark / Nick Labeledzki

The following scholarships were given through the CLSA foundation this year:

- a. Francois “Bud” D. Uzes LS3175 Memorial Scholarship-\$500 (2023)
- b. William “Bill” Eric Telling LS8192 Memorial Scholarship-\$500 (2023)
- c. David “Dave” Anderson Goodman LS4084 Scholarship – \$500 (2023)
- d. Paul Anthony Cuomo LS4136 Memorial Scholarship - \$500 (2023)
 1. Planned to give next year Roy H. Minnick Is LS3415 Memorial Scholarship - \$500 (2023)
 2. Edward “Ed” Guy ZimmermanLS3732 Memorial - \$0.00 (Not Awarded in 2023)

1. Carl de Baca motioned to establish a CLSA/ Sac City Program Advisory Committee. Seconded and passed.

Respectfully submitted,

Annette Hovorka, PLS
Secretary 2023

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Show



MARCH 25-28, 2023

SILVER LEGACY

RENO, NEVADA

CLSA-NALS CONFERENCE 2023 REGISTRATION

NAME (First/Last)		NICKNAME or NAME (as you wish it to appear on your badge)	
COMPANY			
ADDRESS			
CITY		STATE	ZIP
PHONE	FAX		
E-MAIL			
MEMBER # (Indicate: CLSA OR NALS)			
SPOUSE/GUEST (if attending – see Spouse/Significant Other Registration below)			

MEMBER REGISTRATION

	BY FEB 26	AFTER FEB 26	AMOUNT
PreConference Workshops PreConference Workshops: Saturday (all day).	\$250	\$300	\$
Conference Only Conference Only Registration: Sunday through Tuesday. Includes Sunday, Monday and Tuesday Luncheons, Sunday IceBreaker Reception and Monday Scholarship Auction. Does not include Pre-Conference Workshops on Saturday (all day).	\$425	\$475	\$
Conference & PreConference Workshop Full Conference Registration: Saturday through Tuesday. Includes all preconference workshops and conference registration.	\$525	\$575	\$
Conference One Day Select Day: <input type="checkbox"/> Sunday <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday	\$225	\$275	\$

NON-MEMBER REGISTRATION

	BY FEB 26	AFTER FEB 26	AMOUNT
PreConference Workshops PreConference Workshops: Saturday (all day).	\$350	\$400	\$
Conference Only Conference Only Registration: Sunday through Tuesday. Includes Sunday, Monday and Tuesday Luncheons, Sunday IceBreaker Reception and Monday Scholarship Auction. Does not include Pre-Conference Workshops on Saturday (all day).	\$525	\$575	\$
Conference & PreConference Workshop Full Conference Registration: Saturday through Tuesday. Includes all preconference workshops and conference registration.	\$625	\$675	\$
Conference One Day Select Day: <input type="checkbox"/> Sunday <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday	\$325	\$375	\$

OTHER REGISTRATION

Spouse/Significant Other Registration Includes badge, entrance to Exhibit Hall, Sunday Icebreaker Reception, Sunday and Monday Lunch and Monday Scholarship Auction.	\$275	\$
Full-time Student Registration Must attach current student ID. Includes Conference Registration (Sunday through Tuesday), Sunday, and Monday Luncheons, Sunday IceBreaker Reception and Monday Scholarship Auction. Does not include PreConference Workshops on Saturday (all day).	\$275	\$

OPTIONAL ACTIVITIES

	AMOUNT
Extra Sunday Lunch Ticket @ \$55	\$
Extra Monday Lunch Ticket @ \$55	\$
Extra Sunday Icebreaker Ticket @ \$55	\$
Extra Monday Auction/Dinner Ticket @ \$75	\$
Student Assistance Donation (<i>Suggested Donation \$20</i>)	\$
NALS 50th Anniversary Gala (Saturday) @ \$55 <small>Not included in conference registration.</small>	\$

PAYMENT INFORMATION

Total Enclosed \$

Check Enclosed (Checks payable to WRSC Conference)

Charge to: Visa MasterCard

CARDHOLDER NAME

CARD #

EXP. DATE CVV#

BILLING ZIP CODE

AUTHORIZED SIGNATURE

MAIL TO: CLSA-NALS Conference Office
526 South E Street
Santa Rosa, CA 95404

FAX TO: (707) 578-4406

QUESTIONS?
(888) 994-3510
conference@plseducation.org

CANCELLATIONS: - Cancel by February 26, 2023 to receive a refund, less a \$50 cancellation fee. After February 26, 2023 no refund will be available but substitutions can be made. Cancellations must be made in writing by emailing conference@PLSeducation.org

IMPORTANT - Visit Conference website, PLSeducation.org for other important disclaimers and information.





..... SACRAMENTO CHAPTER CLSA MEMBERSHIP

Name: _____

PLS, RCE, LSIT or EIT number: _____

Company: _____

PLS/PE use mailing address on file with BPELSG
Check this box and skip mailing addresses below. Please enter e-mail address.

Business Address: _____

City: _____ State: _____ Zip: _____

Mailing address: _____ (same as business)

City: _____ State: _____ Zip: _____

Email: (work) _____ (check primary)

Email: (personal) _____

Phone: (work) _____ (home) _____ (cell) _____

(fax) _____ (other) _____

Chapter Membership Type (check one):

PLS Regular Member {PLS} \$40

Civil Engineer Member {Pre82CE} \$40

Associate Member {LSIT} \$20

Affiliate Member {post-81 CE, EIT, etc} \$20

Student Member {Surveying student} Regular Dues \$10

Sustaining Member {major supporter} Regular Dues \$200

2023 Chapter EARLY BIRD Membership Dues are HALF off Regular Dues if paid before March 1st, 2023. (Except Student and Sustaining Membership).

Employment type: private public student retired other

State CLSA membership number: _____ Join at: www.CaliforniaSurveyors.org

State CLSA membership type: Regular PLS Associate LSIT

Pre82 Civil Engineer Sustaining Life

Affiliate Student Out of State

Included is a \$_____ donation for scholarship fund or Chapter support. Total \$_____
Check either scholarship fund or Chapter support to allocate your donation.

Sacramento is my "primary" or "home" Chapter. No, _____ is my home.

Please include me in the Sacramento CLSA member directory (e-mail photo)

Mail form and checks to: Sacramento Chapter CLSA
PO BOX 340807
Sacramento, CA 95834

Or scan and e-mail form to: secretary.sacco.clsa@gmail.com

Comments: