



# CAL POLY POMONA GEOMATICS CONFERENCE

SEPTEMBER 20, 2018

## SCHEDULE

8:00 AM—5:30 PM: Conference

6:00 PM—9:00 PM: Innovation Brew Works Social

## SPEAKERS

**Pat Tami (Keynote)** NCEES & R.E.Y. Engineers, Inc.

**Ronald Nelms, Ian Wilson,  
Robert McMillan and Kevin Hills**

CLSA State Officers & Past Presidents

**Justin Pallamary, Michael Pallamary**

Fuscoe Engr. Inc. & Pallamary & Asso.

**Jay Seymour**

OC Public Works

**Warren Roberts, Sean Christian**

Rio Hondo College & LACSD

**Ric Moore & Dallas Sweeney**

BPELSG

**Dana Caccamise**

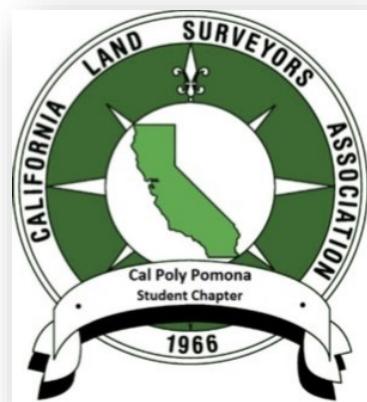
2022 Datum Essentials

**Tom Herrin, Kevin Hills, Curt O'Bryan, David  
McMillian, Ian Wilson & BPELSG Rep.**

County Surveyors Panel Discussion

**Ron Moreno**

City of Temecula Public Works



STUDENT SCHOLARSHIP OPPORTUNITIES: **GOLD**—\$1000, **SILVER**—\$500, **BRONZE**—\$250

# REGISTRATION

## CONFERENCE UPDATES

For updated conference events, follow our [official CLSA student chapter](#) and [Facebook](#) pages.



### REGISTER

Visit our website to register [here](#)!

**NOTE:** To register, click on “Register as an individual” in order to sign up as any option provided.

## QUESTIONS?

### Conference Questions

Amal Suleiman, [aasuleiman@cpp.edu](mailto:aasuleiman@cpp.edu)

### Payment Questions

Eric Hermoso, [ehermoso@cpp.edu](mailto:ehermoso@cpp.edu)

### Student Chapter President

Michael Rosell, [mdrosell@cpp.edu](mailto:mdrosell@cpp.edu)

### Conference Program Coordinator

Annie Nguyen, [annienguyen@cpp.edu](mailto:annienguyen@cpp.edu)

### Student Chapter Advisors

Allan Ng, [ayng@cpp.edu](mailto:ayng@cpp.edu)

Omar Mora, [omora@cpp.edu](mailto:omora@cpp.edu)

## REGISTRATION FEES

Early Registration Fee	\$175 per person (Before August 31, 2018)
Regular Registration Fee	\$200 per person (After August 31, 2018)
At the Door	\$250 per person (September 20, 2018)
Multiple Registration Discount (4 or more people from the same checkout)	\$175 per person
Student Registration	\$30 (valid student ID upon check in)

## EXHIBITOR REGISTRATION FEE

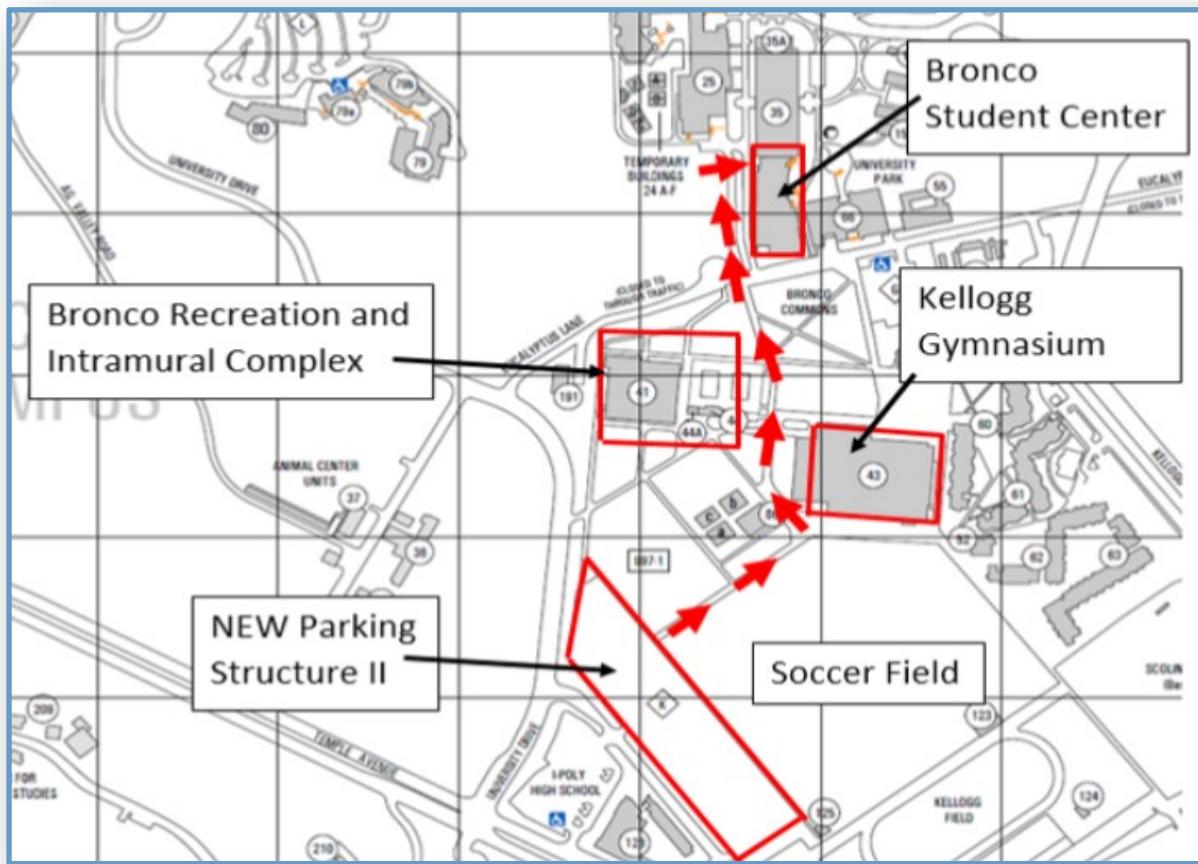
1 Booth (Lunch & Registration for 2 People)	\$350
2 Booth (Lunch & Registration for 3 People)	\$600
3 Booth (Lunch & Registration for 4 People)	\$800

## LODGING

CPP's Kellogg West, located within walking distance from the conference, offers a lodging rate of **\$95 per night**. For additional information, please visit [www.kelloggwest.org](http://www.kelloggwest.org), or contact Sarah Dortch, Reservation Manager, at (909) 869-3918. Be sure to mention CPP Geomatics Conference **ON CAMPUS** when booking.

TENTATIVE CONFERENCE SCHEDULE		
	URSA MAJOR A	URSA MAJOR B
8:00 AM		<u>8:00 AM—8:30 AM</u> Registration
8:30 AM		<u>8:30 AM—9:00 AM</u> Conference Opening Networking in the Exhibition Hall with Coffee and Light Breakfast
9:00 AM	<u>9:00 AM—10:30 AM</u> <b>Ronald Nelms, Ian Wilson, Robert McMillan and Kevin Hills</b> CLSA Panel Discussion of Current Affairs	<u>9:00 AM—10:30 AM</u> <b>Justin Pallamary and Michael Pallamary</b> Old School, New School, What School, Should I Do
10:30 AM		<u>10:30 AM—11:00 AM</u> Refreshments & Networking in Exhibition Hall
11:00 AM	<u>11:00 AM—12:30 PM</u> <b>Jay Seymour</b> How to Prepare your Maps for Plan Checks?	<u>11:00 AM—12:30 PM</u> <b>Warren Roberts and Sean Christian</b> UAV Licensing & How to Approach the Technology & FAA Part 107 Test
12:30 PM		<u>12:30 PM—2:00 PM</u> Lunch & Networking  <u>1:15 PM—2:00 PM</u> <b>Pat Tami (Keynote)</b> <b>President, NCEES, &amp; Principal and Office Survey Operations Manager, R.E.Y. Engineers</b> Adapting Traditional Roles of Surveying to a Spatially Enabled Society
2:00 PM	<u>2:00 PM—3:30 PM</u> <b>Ric Moore &amp; Dallas Sweeney</b> Path to Licensure for Land Surveyor and Civil Engineer Candidates in California	<u>2:00 PM—3:30 PM</u> <b>Dana Caccamise</b> Frames for the Future: Modernizing the National Spatial Reference System
3:30 PM		<u>3:30 PM—4:00PM</u> Refreshments & Networking in Exhibition Hall
4:00 PM	<u>4:00 PM—5:30 PM</u> <b>Tom Herrin, Kevin Hills, Curt O'Bryan, David McMillian, Ian Wilson &amp; BPELSG Rep.</b> County Surveyors Panel Discussion	<u>4:00 PM—5:30 PM</u> <b>Ron Moreno</b> Difference between PE & PLS; Public & Private Sectors for Students & Young Professionals
6:00 PM		<u>6:00 PM—9:00 PM</u> Innovation Brew Works Social

# CAMPUS MAP



## Directions to BSC from New Parking Structure II

Please click the following link as your destination in Google Maps for driving directions to the Parking Structure II.

From the Parking Structure II, head northeast toward the Kellogg Gymnasium (Building 43), make a left and walk toward Bronco Recreation and Intramural Complex (Building 42). Follow the sidewalk toward the Bronco Student Center (BSC, Building 35) [Lat.  $34^{\circ}3'23.8''N$ , Long.  $117^{\circ}49'16.7''W$ ]. The conference will be held on the second floor at the South end of the BSC. Signs will be posted guiding you to the BSC and URSA major for the conference check in.

Parking permit information will be sent to registered guests by email near the conference date.

Access a dynamic map [here](#).

## SPONSORS

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### BRONZE



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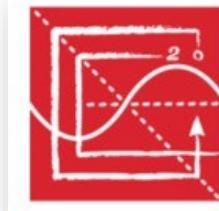
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*advancing licensure for  
engineers and surveyors*

# THE RYAN M. VERSTEEG MEMORIAL SCHOLARSHIP

On June 27, 2017 we lost a friend, a fellow land surveyor, a true professional, and a wonderful man, father, husband, and son.

Ryan Michael Versteeg graduated from Cal Poly Pomona in 1997 with a degree in Civil Engineering with Land Surveying Option. Ryan started as an intern with the Los Angeles Department of Water and Power and later the Metropolitan Water District. During his career he also worked for Psomas, David Evans & Associates, Towill, and most recently with Caltrans District 8 in San Bernardino. He was very active in the California Land Surveyors Association, CLSA, and served as the President of the Riverside/San Bernardino Chapter in 2013, served for many years as a director on the CLSA board, and also served on several different CLSA committees. Ryan was also chair of the Associations workshop committee for several years. Ryan stayed active as an alumni of Cal Poly Pomona, visited there to teach an occasional course, guest lectured, and attended workshops and conference activities. Ryan was licensed in California, PLS 7809, held his CFedS certificate, and was also licensed in the State of Utah.

Most important Ryan was a loving husband and father, he left behind his wife Staneli, also a California PLS, his 12 year old daughter Maya, and 8 year old son Nathan.

Cal Poly Pomona has set up an endowment through the CLSA Education Foundation and anyone interested can make a donation to **The Ryan M. Versteeg Memorial Scholarship Fund**. The CLSA Education Foundation is a 501c3 tax status charity and a tax ID number can be provided upon request. Please consider making a donation to this most worthy cause in honor of our friend and colleague so that Ryan's family can be honored with the selection and presentation of a scholarship annually to honor his dedication and contribution to the profession.

Your charitable contribution should be made payable to:

**CLSA Education Foundation**

Memo: **The Ryan M. Versteeg Memorial Scholarship Fund**



# KEYNOTE: ADAPTING TRADITIONAL ROLES OF SURVEYING TO A SPATIALLY ENABLED SOCIETY

## ABSTRACT & BIOGRAPHY

### ADAPTING TRADITIONAL ROLES OF SURVEYING TO A SPATIALLY ENABLED SOCIETY

This presentation will focus on key questions of how societies are changing to become spatially linked from information, services, people, business and governments. This change requires the backbone of spatial data to be accessible, accurate, regularly maintained and sufficiently reliable for use by the majority of society who are not spatially aware. A spatially enabled society creates a sustainable future for all those trained in the geospatial community

### PAT TAMI, PLS

Patrick Tami, PLS, President, NCEES; Principal and Office Survey Operations Manager, R.E.Y. Engineers, Inc. Pat Tami, a Professional Land Surveyor for over 30 years, is the 2017-2018 President of the National Council of Examiners for Engineering and Surveying (NCEES). Tami is a nationally recognized expert in land surveying laws, regulations, and standards. He was appointed three times by California Governors to the California Board for Professional Engineers, Land Surveyors and Geologists, serving from 2006 to 2016.

# CLSA PANEL DISCUSSION OF CURRENT AFFAIRS

## ABSTRACT & BIOGRAPHY

### CURRENT AFFAIRS OF CLSA PANEL DISCUSSION

This presentation will be an opportunity for the CLSA membership to address the CLSA officers and past presidents. An open dialogue will be made available to the membership and students to gain an understanding to the association, up-to-date issues, CLSA's direction and goals for 2019. It is an opportunity for the membership to provide input, thoughts, and direction for the association for 2018.

### RONALD J. NELMS, PLS PRESIDENT

Ron is from Bakersfield and is the CLSA President for the 2018 year as well as a Director on the Education Foundation. Previously he served as the Member at Large in 2012 & 2016, Secretary 2016, Member of the Year 2015. He also served as the Monument Conservation Committee Chair. Ron founded Nelms Surveying Inc. in 1992 and serves as the Principal. He is licensed in California, Arizona, and Nevada. Currently he also serves as President for Bakersfield Breakfast Rotary Club, as well as serving on the Government Review Committees for the Bakersfield Chamber and North of the River Chamber. He enjoys all sports particularly following the San Francisco Giants, Sharks, and Warriors. In his spare time he enjoys reading and writing. Stays active by playing tennis and pickle ball. He has two sons and he has been gifted with three grandchildren.

### IAN WILSON, PLS IMMEDIATE PAST-PRESIDENT

Ian Wilson has been practicing land surveying in California for nearly 30 years. He was licensed in California in 1993 and is currently licensed in California, Nevada and Colorado. He has worked in both private and public sectors in various places around California and is now the county surveyor, County of San Mateo. He has been a speaker on a number of topics, including Land Title Survey Standards, Legal Descriptions, Boundaries and Standards of Care. He is the current Immediate Past-President of the CLSA.

# CLSA PANEL DISCUSSION OF CURRENT AFFAIRS

## ABSTRACT & BIOGRAPHY

### **ROBERT McMILLAN, PLS TREASURER**

Rob McMillan is a Senior Transportation Surveyor with Caltrans, supervising the Construction Survey Notes Unit in District 11. After 5 years of municipal surveying and engineering experience, he joined Caltrans in 1990, obtaining PLS 7267 in 1996. Rob was promoted to Caltrans HQ as Chief of Surveys Standards in 2006, editing the Caltrans Surveys Manual, and publishing the first standards for the use of stationary and mobile terrestrial laser scanning (STLS and MTLS) for transportation infrastructure projects. In 2011, he became Chief of Land Surveys Training, and in 2012, Acting Chief of HQ Office of Land Surveys where he was instrumental in the procurement and deployment of the first Caltrans MTLS system. Rob worked in District 4 as Chief of New Technology, GPS, and Survey Coordination in late 2013 and early 2014, returning to HQ as Chief of Survey Coordination in mid-2014. Rob is a graduate of Southern Illinois University. He has served as a land surveying instructor at Southwestern College and Sacramento City College, as well as for PLS and PE review courses. Rob is active in CLSA, currently serving as Treasurer and the BPELSG Liaison. He has held officer and director positions for the Sacramento Chapter, as well as statewide Education Committee Chair. In addition to the PLS, he holds certificates as an Engineer in Training, Commercial pilot, and Advanced Ground Instructor. His hobbies include fly fishing, kayaking, motorcycling, photography, target shooting, and zymurgy.

### **KEVIN HILLS, PLS MEMBER AT LARGE**

Kevin is the County Surveyor and Deputy Director of Orange County Public Works. He holds a Polytechnic Degree in Land Surveying from British Columbia Institute of Technology, a Bachelor of Science Degree in Management, and a Master's Degree in Business Administration from Pepperdine University. Kevin has 30 years of Surveying and Mapping experience in the Private and Public Sector, concentrating on Land Development/Urban In-Fill projects, Design Engineering Surveys, and 3D spatial mapping for large scale residential, commercial and educational facilities throughout Southern California. His current position as the Orange County Surveyor includes managing and directing a staff of 90 employees, including 14 Professional Land Surveyors in three core service areas: Geospatial Services, Field Services, and Map Checking and Right-of Way Services.

# OLD SCHOOL, NEW SCHOOL, WHAT SCHOOL, SHOULD I DO

## ABSTRACT & BIOGRAPHY

### JUSTIN PALLAMARY, PLS

Justin is a Licensed Land Surveyor with over 25 years experience in Southern California. He has a wide range of surveying expertise, both in office and out in the field. Justin has worked closely with architects, civil engineers, structural engineers, grading contractors, attorneys, public agencies, GIS companies, homeowners and community planning groups. He has provided an array of professional services, including large and small land development projects, boundary, topo and ALTA surveys for both private firms and public municipalities, including the Counties of San Diego, Riverside, Los Angeles, Santa Clara, Fresno and multiple cities and agencies throughout California.

Justin is one of California's only "Certified Ground Penetrating Radar Specialists" and was certified through GSSI certification program in Oregon. This specialty, including the expert use of the Vivax underground locator and both GPS and GIS programs, sets Justin apart. He spent one year on the job training, using a hands-on approach with geophysical survey equipment, including Ground Penetrating Radar location layout, electronic analysis and underground wire layout, location, reduction and drafting into a 3D CAD environment, while interfacing with GIS and Bluebeam Software.

Justin has provided services for all types of projects, including residential developments in downtown San Diego, large-scale master plans, hotel and restaurant projects in the Port of San Diego area, mixed-use, multi-family, K-12 and higher education projects, Caltrans and federal government work.

Justin is an expert consultant in land survey, including boundary disputes, mediations, ALTA/NSPS survey and is highly skilled in site surveys. He directly supervises each job and is hands on throughout the entire life of a project. With his varied background, Justin quickly and efficiently completes projects, meeting both goals and budgets.

# OLD SCHOOL, NEW SCHOOL, WHAT SCHOOL, SHOULD I DO CONTINUE

## ABSTRACT & BIOGRAPHY

### MICHAEL PALLAMARY, PLS

Michael Pallamary is the president of Pallamary & Associates of La Jolla. He is a founding member of the Land Surveyors Advisory Council on Technical Standards ([www.lsacts.com](http://www.lsacts.com)) and he is the owner of [www.tiepoints.com](http://www.tiepoints.com), a research site for California Land Surveyors.

Mr. Pallamary has testified in nearly one hundred lawsuits across the State of California and he has appeared in federal court, as an expert witness on the location and history of the US/Mexico Border. He writes two monthly columns for The American Surveyor Magazine and he is the author of "The Lay of the Land," the definitive history of land surveying in Southern California.

Mr. Pallamary is the author of "The Curt Brown Chronicles," a compilation of the writings and lectures of the late Curtis M. Brown, PLS. He is the co-author of "The History of San Diego Land Surveying Experiences," written with Curtis M. Brown as well as the co-author of "Advanced Land Descriptions," co-written with the late Paul Cuomo, PLS and Roy Minnick, PLS.

Mr. Pallamary has been in the land surveying profession since 1971. He brings a broad depth of experience to the professional community. He is a frequent lecturer at conferences, seminars and universities across the country.

# “BUILDING A BRIDGE, NOT A WALL”, BETWEEN THE PROFESSIONAL COMMUNITY AND THE PUBLIC SECTOR.

## ABSTRACT & BIOGRAPHY

### HOW TO PREPARE YOU MAPS FOR PLAN CHECKS?

- Introduction to the history of Records of Survey in California
- Overview of the “CEAC” County Engineers Association of California “Guide to the Preparation of Records of Survey and Corner Records
- What is going on at OCPW-Survey Section review process
  - With the requirement of a plan-checking fee \$500/300 what can the professional expect in anticipated costs for a “submittal/review/filing fees”
  - What items are usually missing from a submittal
  - The Concept of “Surveyor’s narrative/report”
  - Highlights of new programs/software coming to OCPW
  - A conversation and Q/A session with the county surveyor
  - Open session what can we, the public sector do to improve
  - Closing thoughts and comments.

### JAY SEYMOUR, PLS

Our speaker today is entering his 50th year as a practicing land surveyor and his 42nd year as a professional land surveyor, holding licenses of registration in Kansas since 1978, Colorado since 1979, and California since 1991.

He has surveyed in Kansas, Nebraska, Missouri, Oklahoma, Colorado, Wyoming, Utah, Arizona, Alaska and California. He has prepared in excess of 11,000 legal descriptions; performed 2,000 full-sectionalized land boundaries in multiple states, and has supervised and prepared over 3,000 ALTA/NSPS Land Title surveys in his career. Mr. Seymour has been an expert witness in Boundary disputes in both Colorado and California. He came out of retirement in 2016 to do consulting work for the city of Long Beach. He followed up with an assignment with the county of Orange in the “Records of Survey” section, and is now a Surveyor III with the OCPW-OC Survey.

Mr. Seymour is “well-known” in the surveying community and with our state association, CLSA. Having served as a chapter president for the Los Angeles Chapter, he went on to state CLSA where he was a state officer starting in 2009, and having completed his obligation as an officer in 2018. He was the 50th president of the state association, and is now an active member of the Orange County Chapter of CLSA.

Since coming to California, he has offered his time, expertise, and money to supporting the “next-generation” land surveyor speaking at local and state surveying organizations. He has spoken here at Cal Ploy since 1987, and is a friend of the department and speaks annually to the student chapter of CLSA. He has presented at all 23 chapters of CLSA, and has been a keynote speaker for North Dakota, Michigan, and Kansas state conferences. He has presented at national level at ALTA conferences as well as legal, banking, and real estate associations. He is listed on the NSPS website as a national speaker.

Today, he will be presenting on “Building a Bridge, not a wall” between the professional and public communities. He will be speaking on the Record of Survey process at OCPW and what lies ahead for future of mapping in Orange County.

# UAV LICENSING & HOW TO APPROACH THE TECHNOLOGY & FAA PART 107 TEST

## ABSTRACT & BIOGRAPHY

### UAV LICENSING & HOW TO APPROACH THE TECHNOLOGY & FAA PART 107 TEST

Rio Hondo College GIS program closely aligns, and sometimes exceeds industry trends. More recently, industry is discovering the use of sUAV as a game changer for which reason, several courses introduce some modules incorporating the use of sUAV including survey mapping, remote sensing to preparation for the FAA 107 exam to use the sUAV commercially. The presentation will share how the program integrates the use of technology in various fields and preparation for the FAA 107 exam.

### WARREN ROBERTS MLA, GISP

Professor Warren Roberts is a full time GIS faculty with degree in Landscape Architecture & Landscape Planning from the University of Oregon (MLA 98) and Cal Poly Pomona ('90). Before coming to Rio Hondo College he taught at California State Polytechnic University in the Department of Landscape Architecture. He also teaches at the Claremont Graduate University and Claremont Colleges Library where he support students and faculty on research with the use of GIS, Remote Sensing and sUAV. Warren has 20 years of professional and academic experience in CAD, GIS and surveying (GPS). He teaches several Geospatial related courses including custom workshops to law enforcement and other various industries. He has certificates in GIS teaching in Crime Analysis Mapping (NIJ) & in Incident (Fire) Command Mapping (GIST) and also FAA part 107 certified. Current research includes environmental modeling including remote sensing within caves, species distribution in Costa Rica and (National Geographic funded) research in Borneo to determine effects of nest harvesting in Gomantong Cave.

### SEAN CHRISTIAN P.E. & FAA 107 LICENSED

Sean Christian is a part-time GIS faculty with a Bachelors and Masters in Civil Engineering from Cal State University at Long Beach and is a registered Professional Engineer within California. He has been a leader in GIS collaborations and initiatives within Los Angeles County including spearheading the development of regional and local storm and sewer conveyance systems within the county. He has extensive knowledge of the underlying geospatial data that is at the core of local and regional government. Sean has over 20 years of professional experience in CAD, GIS, GPS and Asset Management principles within the public utility sector and is recently FAA Part 107 certified. His area of expertise in geospatial analysis includes demographics, population statistics, environmental impact analysis, biodiversity and archaeology studies, sewer and storm drain hydraulics, surface water drainage, grading and many other civil engineering related applications. Sean has over 25 years of experience in Civil Engineering including storm, wastewater, and solid waste management for the County of Los Angeles and is currently a Senior Civil Engineer. He currently manages two closed sanitary landfills and is responsible for work and asset management programs within several solid waste management facilities through the county.

# PATH TO LICENSURE FOR LAND SURVEYOR AND CIVIL ENGINEER CANDIDATES IN CALIFORNIA

## ABSTRACT & BIOGRAPHY

### PATH TO LICENSURE FOR LAND SURVEYOR AND CIVIL ENGINEER CANDIDATES IN CALIFORNIA

This discussion will focus on the process to obtain your license as both a land surveyor and as a civil engineer in California. The topics consist of the general path for each respective license, how those paths differ, qualifying experience/education, required examinations, and a review of the recently revised test plan specifications for the state exams related to both disciplines. Anyone seeking knowledge on how the licensure process works and what to expect when submitting an application for licensure should consider becoming involved in this discussion.

### RIC MOORE, PLS

Ric Moore, PLS, Executive Officer, began working at BPELSG in 2007 when he contracted as the Land Surveyor Consultant to what was then BPELS. In 2009, he joined staff by assuming the newly formed Senior Registrar Land Surveyor position. After managing the licensing examination operations of the Board, Ric was appointed by the Board to be the BPELSG Executive Officer in July 2011.

### DALLAS SWEENEY, PLS

Dallas Sweeney, PLS started with the board December 1, 2016. Prior to joining the board he worked in private practice, running the family surveying firm that his father started in 1973. He is a past president of SAGE (Surveyors, Architects, Geologists and Engineers), a local professional organization. He is also very involved in the local community as President of the local Little League and assists the local 4H club. He was also National and International President of Active 20-30, working with young professionals across the Americas and Europe.

# FRAMES FOR THE FUTURE: MODERNIZING THE NATIONAL SPATIAL REFERENCE SYSTEM

## ABSTRACT & BIOGRAPHY

### FRAMES FOR THE FUTURE: MODERNIZING THE NATIONAL SPATIAL REFERENCE SYSTEM

NOAA's National Geodetic Survey is engaged in a comprehensive effort to modernize the National Spatial Reference System (NSRS), in support of technological developments and accuracy requirements. Part of that effort is defining four new Terrestrial Reference Frames that will replace NAD 83. In addition, a new vertical and gravity component of the NSRS, the North American-Pacific Geopotential Datum of 2022 (NAPGD2022), will replace NAVD 88. Using the Global Navigation Satellite System (GNSS) combined with a highly accurate gravity model will provide consistent and accurate vertical control across the U.S. and its territories.

NGS's goal is to provide a modern, accurate, accessible, and globally aligned positioning framework exploiting the power and utility of GNSS for both today and tomorrow.

The NSRS is the foundation of the U.S. spatial data infrastructure. The Reference Frames of 2022 will provide a new basis for positioning, and all geospatial professionals should be aware of this change.

### DANA J. CACCAMISE, PH.D.

Dana J. Caccamise is the National Geodetic Survey Pacific Southwest Region Geodetic Advisor. He assists California and Nevada geospatial professionals in using the National Spatial Reference System.

# COUNTY SURVEYORS PANEL DISCUSSION

## ABSTRACT & BIOGRAPHY

<b>COUNTY SURVEYORS PANEL DISCUSSION</b>	<ol style="list-style-type: none"><li>1. Present the background on the initiative to identify issues with preparing and reviewing submitted Records of Survey and Corner Records.</li><li>2. Discussion on the value of the Record of Survey and Corner Record</li><li>3. Expectations on an outcome of this initiative</li><li>4. Current Hot Topics at your friendly neighborhood County Surveyor's Office</li><li>5. General Questions and Answers</li></ol>
<b>DAVID MCMILLIAN, PLS RIVERSIDE COUNTY</b>	<p>David leads the field and office sections for the County of Riverside Transportation Department, Survey Division. He has over 17 years of experience from both the public and private sectors. David received his Bachelor's Degree in Geomatics Engineering from Fresno State and obtained his Masters of Science in Geographic Information Systems (GIS) from the University of Redlands in 2015. David has both private and public sector land surveying experience. David has utilized his knowledge of GIS and land records to create some of the premier land records search tools in the State. David's experience with land development, efficiency improvements, developing highly productive teams, GIS, and his leadership skills are an asset to the County and to the Transportation Department.</p>
<b>IAN WILSON, PLS SAN MATEO COUNTY</b>	<p>Ian Wilson has been practicing land surveying in California for nearly 30 years. He was licensed in California in 1993 and is currently licensed in California, Nevada and Colorado. He has worked in both private and public sectors in various places around California and is now the county surveyor, County of San Mateo. He has been a speaker on a number of topics, including Land Title Survey Standards, Legal Descriptions, Boundaries and Standards of Care. He is the current Immediate Past-President of the CLSA.</p>

# COUNTY SURVEYORS PANEL DISCUSSION CONTINUE

## ABSTRACT & BIOGRAPHY

<b>CURT O'BRYAN, PLS LOS ANGELES COUNTY</b>	<p>Mr. Curt O'Bryan is a Deputy County Surveyor for the County of Los Angeles and a member of the CSLA. For the past 34 years with 26 as a Professional Land Surveyor, he has worked for the Los Angeles County Department of Public Works in every level of field and office operations. Mr. O'Bryan presently oversees all office operations including the Survey Public Counter and the Examination Unit for Records of Survey and Corner Records.</p>
<b>TOM HERRIN, PLS SAN BERNARDINO COUNTY</b>	<p>Tom Herrin is a licensed Professional Land Surveyor with over 18 years' experience in land surveying. He has been with the County of San Bernardino for 16 years, where he currently serves as County Surveyor.</p> <p>He has extensive experience in regulatory and land boundary issues as they relate to the area of land development, and has also worked on numerous control, geodetic, topographic, and construction survey projects for the County. Tom is active in the local professional community as a member of the executive board of the Riverside/San Bernardino chapter of the CSLA, and in serving as the current Chair of the League of California Surveying organizations, Southern Section.</p>
<b>KEVIN HILLS, PLS ORANGE COUNTY</b>	<p>Kevin is the County Surveyor and Deputy Director of Orange County Public Works. He holds a Polytechnic Degree in Land Surveying from British Columbia Institute of Technology, a Bachelor of Science Degree in Management, and a Master's Degree in Business Administration from Pepperdine University. Kevin has 30 years of Surveying and Mapping experience in the Private and Public Sector, concentrating on Land Development/Urban In-Fill projects, Design Engineering Surveys, and 3D spatial mapping for large scale residential, commercial and educational facilities throughout Southern California. His current position as the Orange County Surveyor includes managing and directing a staff of 90 employees, including 14 Professional Land Surveyors in three core service areas: Geospatial Services, Field Services, and Map Checking and Right-of-Way Services.</p>

# DIFFERENCE BETWEEN PE & PLS; PUBLIC & PRIVATE SECTORS FOR STUDENTS & YOUNG PROFESSIONALS

## ABSTRACT & BIOGRAPHY

### DIFFERENCE BETWEEN PE & PLS; PUBLIC & PRIVATE SECTORS FOR STUDENTS & YOUNG PROFESSIONALS

In this session students and professionals will hear from a Cal Poly Pomona graduate regarding expectations vs reality of the civil engineering industry. How has being dual licensed benefited the career path chosen and how has licensure played a role in each of the different phases of a career, specifically in the private firms and in the public role.

### RON MORENO, PE, PLS

Ron Moreno is a licensed engineer, land surveyor, and educator in the State of California with transportation, land development and capital improvement project experience. He began his career surveying along the Colorado River for the Palo Verde Irrigation District in Blythe, California. Following this early experience in Land Surveying he began studies at Cal Poly Pomona graduating with a Civil Engineering degree with a Geospatial Option. After some time in the private sector, designing numerous projects in Southern California, he transitioned to the public sector and currently manages the Land Development Division for the City of Temecula. His responsibilities include managing engineering staff and inspectors, assisting the public and developers through the entitlement process and construction document phase, and creating staff reports for presentation to the City Council and applicable commissions. In addition he also teaches both surveying and engineering courses at Cal Poly Pomona.