

**Jan
VANSICKLE**

**Gary
KENT**

**Knud
HERMANSEN**

SEVEN STATES

ONE VIRTUAL CONFERENCE
MAGNIFICENT OPPORTUNITIES

Alaska

Arizona

California

Montana

Nevada

**New
Mexico**

Washington



March 27-30, 2021 • Register Today! • PLSeducation.org

TRY IT FREE



Aerotas

Drone Data Processing for Surveyors

CAD Files | 0.1' Vertical Accuracy | Per Project Pricing



CONTOURS

Manually drafted 1' contour lines; cleaned of miscellaneous objects.



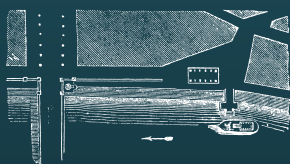
CLEAN TOPO SURFACE / TIN

Clean topographic data with spot elevation points, breaklines, and a TIN surface.



PLANIMETRIC FEATURES

Aerotas Linework includes all planimetric features that are visible from the air.



ORTHOPHOTO

Accurate imagery to back your projects and drawings. Human-in-the-loop photogrammetry.



POINT CLOUD

Your data is handled by ASPRS Certified Photogrammetrists correcting errors and doing quality checks.



MISSION PLANNING

Flight Ops team supports planning missions, setting GCPs, and collecting accurate data.

aerotas.com

March 27-30, 2021

Register Today

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SEVEN STATES

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MAGNIFICENT OPPORTUNITIES



We are excited to announce that seven of the western states including: ASPLS (Alaska), APLS (Arizona), CLSA (California), MARLS (Montana), NALS (Nevada), NMPS (New Mexico), and LSAW (Washington) are teaming up to create the Western Regional Virtual Survey Conference! The Conference will be held March 27-30, 2021.

Virtual Conference - How Does it Work?

Prior to the conference you will receive an email providing you access to the conference app. The conference app can be accessed via a computer or downloaded as an app on your phone (or both!). The conference app is where the virtual conference will be organized. In the app you will find the conference agenda and the Zoom registration links for each session. Additionally, you will find a Chat Room, Exhibit Hall, Directory of Attendees, and more! The app will be your one-stop shop to access the virtual conference. *As we get closer to the event, we will release short video tutorials with easy step-by-step instructions.*

Will I be Allowed to Ask Questions?

Absolutely! We encourage you to interact with the speaker during the live presentations. A Q&A panel will be used to ask questions throughout the presentation. Each session will have a moderator and their job is to watch for questions.

Will the Sessions be Recorded?

Yes! And this is a great benefit of a virtual conference. At a regular in-person conference you have to choose which session to attend and you miss out on the rest. Not this year! Whatever sessions you miss during the conference, you can view the recording at your convenience. *Recordings will be made available on a complimentary basis to all conference attendees through August 31, 2021.*

What About Continuing Education?

The virtual system tracks your time in session and we will automatically send continuing education certificates to all registered attendees. However, we are unable to monitor time reviewing recordings so verification cannot be provided for watching recordings. There are over 32 hours of live continuing education available.

Will There be Time to Network?

Yes! We have scheduled dedicated time for attendees to network (unmuted). During this time we will have network hosts to provide topic guidance and roundtable discussions. In addition, we have a completely interactive exhibit hall so that you can meet with the vendors and catch up on the latest technology. The proximity-audio-based networking tool we will use allows you to connect with exhibitors, sponsors, speakers, colleagues, and other attendees! *As we get closer to the event, we will release a short video demo of this exciting new tool.*

**For
More
Information**

Western Regional Virtual Survey Conference Office
526 South E Street • Santa Rosa, CA 95404
T. (888) 994-3510 F. (707) 578-4406
www.PLSeducation.org • conference@PLSeducation.org

SEVEN STATES ONE VIRTUAL CONFERENCE

PRELIMINARY PROGRAM

*Pacific Time Zone
Preliminary Program, Subject to Change*

Saturday, March 27, 2021

- 8:00 am – 8:30 am **Opening Ceremonies – Announcements**
Master of Ceremonies: Trent Keenan, PLS
- 8:30 am – 10:00 am **The Art of Retracement**
Gary Kent, PLS
- 8:30 am – 10:00 am **FEMA Elevation Certificates: How to Complete Forms Quickly and Accurately**
Scott VanHoff, CFM
- 8:30 am – 10:00 am **Civil 3D Workshop**
Rick Ellis
- 8:30 am – 10:00 am **LS REVIEW: Exam Preparation & Strategy**
Rob McMillan, PLS
- 10:00 am – 10:30 am **Networking Break**
Sponsored by:
- HUITT-ZOLLARS**
- 10:30 am – 12:00 pm **The Art of Retracement (continued)**
Gary Kent, PLS
- 10:30 am – 12:00 pm **FEMA Elevation Certificates (continued)**
Scott VanHoff, CFM
- 10:30 am – 12:00 pm **Civil 3D Workshop (continued)**
Rick Ellis
- 10:30 am – 12:00 pm **LS REVIEW: GPS & Geodesy**
Martin Paquette, PLS
- 12:00 pm – 1:00 pm **Networking Break**
Sponsored by:



MEET THE ASSOCIATIONS



SEVEN STATES ONE VIRTUAL CONFERENCE

Saturday, March 27, 2021 – continued

- 1:00 pm – 3:00 pm **ALTA Update**
Gary Kent, PLS
- 1:00 pm – 3:00 pm **Defensible Settlement Monitoring**
Ben Petersen, PLS
- 1:00 pm – 3:00 pm **Civil 3D Workshop (continued)**
Rick Ellis
- 1:00 pm – 3:00 pm **LS REVIEW: Water Boundaries**
Evan Page, PLS
- 3:00 pm – 3:30 pm **Networking Break / Exhibit Hall**
Sponsored by:
- VERTICAL MAPPING RESOURCES**
an evolution in land information
- 3:30 pm – 5:00 pm **ALTA Update (continued)**
Gary Kent, PLS
- 3:30 pm – 5:00 pm **Davis Bacon Act & Prevailing Wage**
Ben Petersen, PLS
- 3:30 pm – 5:00 pm **Civil 3D Workshop (continued)**
Rick Ellis
- 3:30 pm – 5:00 pm **LS REVIEW: Water Boundaries (continued)**
Evan Page, PLS
- 5:00 pm – 7:00 pm **Networking Break / Exhibit Hall**

NETWORKING BREAKS

Each break will include a 10 minute presentation(s) from our sponsors, followed by time to network and meet with our exhibitors.

Saturday 10 Minute Presentation Schedule:

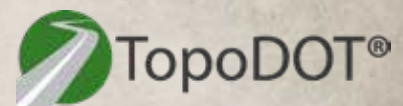
- 10 AM: Huitt Zollars
12 PM: Cooper Aerial
3 PM: Vertical Mapping Resources
5 PM: Aerotas, Carlson Software, TopoDot, Berntsen, & Bad Elf

More Info Available in the Conference App

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**THANK YOU TO
OUR SILVER
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Sunday, March 28, 2021

- 8:30 am – 10:00 am **Best Practices for GPS**
Jan VanSickle, PLS
- 8:30 am – 10:00 am **Contracts**
Knud Hermansen, Esq., Ph.D, PE, PLS
- 8:30 am – 10:00 am **Photogrammetry to CAD Workflow Class**
Luis Rojas
- 8:30 am – 10:00 am **LS REVIEW: Construction Survey Calculations**
Rob McMillan, PLS
- 10:00 am – 10:30 am **Networking Break / Exhibit Hall**
Sponsored by:
- 10:30 am – 12:00 pm **Best Practices for GPS (continued)**
Jan VanSickle, PLS
- 10:30 am – 12:00 pm **Insurance Update**
Laura Ledbetter
- 10:30 am – 12:00 pm **Establishing Requirements, Extracting Metrics,
& Evaluating Quality of LiDAR Data**
Michael Cook
- 10:30 am – 12:00 pm **LS REVIEW: Math for Surveyors**
Jim Coan, PLS
- 12:00 pm – 1:00 pm **Networking Break / Exhibit Hall**
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MORE INFO & ONLINE REGISTRATION:
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That CAD Girl



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Sunday, March 28, 2021 - continued

- 1:00 pm – 3:00 pm **Coordinates & Geodesy**
Jan VanSickle, PLS
- 1:00 pm – 3:00 pm **Board of Registration Update**
Representatives from each Board of Registration
- 1:00 pm – 3:00 pm **Are Satellite Based Correction Services the “Next Utility” For Surveyors?**
Bob Green, PLS
- 1:00 pm – 3:00 pm **LS REVIEW: Random Error Theory**
Jim Coan, PLS
- 3:00 pm – 3:30 pm **Networking Break / Exhibit Hall**
Sponsored by:
- 
Vectors Inc.
- 3:30 pm – 5:00 pm **Coordinates & Geodesy (continued)**
Jan VanSickle, PLS
- 3:30 pm – 5:00 pm **NCEES: Marketing and Outreach Update & Threats to Licensure**
Marisa Trzeczalski & Josh Twitty
- 3:30 pm – 5:00 pm **Workflows for Combining LIDAR and Photogrammetry Data**
Logan Campbell
- 3:30 pm – 5:00 pm **LS REVIEW: Random Error Theory (Continued)**
Jim Coan, PLS
- 5:00 pm – 7:00 pm **Networking Break / Exhibit Hall**

NETWORKING BREAKS

Each break will include a 10 minute presentation(s) from our sponsors, followed by time to network and meet with our exhibitors.

Sunday 10 Minute Presentation Schedule:

- 10 AM: Carlson Software
12 PM: Topcon Solutions Store
3 PM: Vectors, Inc.
5 PM: That CAD Girl, Allen Instruments, Seafloor Systems, Mentoring Mondays

MEET THE ASSOCIATIONS



SEVEN STATES ONE VIRTUAL CONFERENCE

Monday, March 29, 2021

8:30 am – 10:00 am **CFedS Workshop**
Steve Parrish, PLS & Other BLM Speakers

8:30 am – 10:00 am **WASHINGTON: RCW & WAC Updates**
Jim Wengler, PLS & Aaron Blaisdell, PLS

8:30 am – 10:00 am **Water Rights**
Thomas Diggs, Esq.

8:30 am – 10:00 am **LS REVIEW: Legal Descriptions**
Aaron Smith, PLS

10:00 am – 10:30 am **Networking Break / Exhibit Hall**
Sponsored by:



10:30 am – 12:00 pm **CFedS Workshop (continued)**
Steve Parrish, PLS & Other BLM Speakers

10:30 am – 12:00 pm **NEVADA: NRS & NAC Updates**
Michael Kidd, PLS & Matt Gingerich, PLS

10:30 am – 12:00 pm **Use of Coordinates for Boundary Evidence**
Michael Schoder, PLS

10:30 am – 12:00 pm **LS REVIEW: Boundary**
Ian Wilson, PLS

12:00 pm – 1:00 pm **Networking Break / Exhibit Hall**
Sponsored by:



MORE INFO & ONLINE REGISTRATION:
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MEET OUR EXHIBITORS

Aerotas
Allen Instruments &
Supply
Assurance Risk Managers
Bad Elf
Bernsten
Branco Machinery
California Surveying &
Drafting Supply
Carlson Software
David Evans & Associates
Diamondback Land
Surveying
Frontier Precsion
Hall & Company
JAVAD
Leica Geosystems
Lumos & Associates
Mentoring Mondays
Monsen Engineering
Seafloor Systems
Tersus GNSS
That CAD Girl
TopoDot
US Survey Supply
Vectors Inc.
Vertical Mapping
Resources

SEVEN STATES ONE VIRTUAL CONFERENCE

Monday, March 29, 2021 - continued

- 1:00 pm – 3:00 pm **CFedS Workshop (continued)**
Steve Parrish, PLS & Other BLM Speakers
- 1:00 pm – 3:00 pm **MONTANA: State Specific Update**
Mike Lapp, PLS
- 1:00 pm – 3:00 pm **Ethics**
Knud Hermansen, Esq., Ph.D, PE, PLS
- 1:00 pm – 3:00 pm **LS REVIEW: Boundary (continued)**
Ian Wilson, PLS
- 3:00 pm – 3:30 pm **Networking Break / Exhibit Hall**
Sponsored by:
- 
- 3:30 pm – 5:00 pm **CFedS Workshop (continued)**
Steve Parrish, PLS & Other BLM Speakers
- 3:30 pm – 5:00 pm **ARIZONA: Minimum Standards**
Mike Fondren, RLS; J.O. Teague, RLS;
Jason Foose, RLS
- 3:30 pm – 5:00 pm **Session Topic TBD**
Session Speaker TBD
- 3:30 pm – 5:00 pm **LS REVIEW: Boundary (continued)**
Ian Wilson, PLS
- 5:00 pm – 7:00 pm **Networking Break / Exhibit Hall**

NETWORKING BREAKS

Each break will include a 10 minute presentation(s) from our sponsors, followed by time to network and meet with our exhibitors.

Monday 10 Minute Presentation Schedule:

- 10 AM: California Surveying & Drafting Supply
12 PM: Leica Geosystems
3 PM: Tersus GNSS
5 PM: Diamondback Land Surveying, US Survey Supply,
AssuredPartners Design Professionals, Frontier Precision

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Tuesday, March 30, 2021

8:30 am – 10:00 am **NSRS Modernization: Emphasis on SPCS2022 & Deprecation of the US Survey Foot**
Michael Dennis; Dana Caccamise; Dan Determan;
Nic Kinsman; & Brian Shaw

8:30 am – 10:00 am **Small Business Management**
Knud Hermansen, Esq., Ph.D, PE, PLS

8:30 am – 10:00 am **Mentoring the Next Generation**
Michael Schoder, PLS

8:30 am – 10:00 am **LS REVIEW: Photogrammetry**
John Adam, PLS

10:00 am – 10:30 am **Networking Break**
Sponsored by:



10:30 am – 12:00 pm **NSRS Modernization (continued)**
Michael Dennis; Dana Caccamise; Dan Determan;
Nic Kinsman; & Brian Shaw

10:30 am – 12:00 pm **Business & Professional Communications**
Knud Hermansen, Esq., Ph.D, PE, PLS

10:30 am – 12:00 pm **NEW MEXICO: State Specific Update**
Perry Valdez

10:30 am – 12:00 pm **LS REVIEW: California PLS Act**
Rob McMillan, PLS

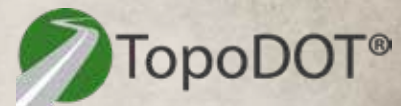
12:00 pm – 12:30 pm **Closing Ceremony**

MORE INFO & ONLINE REGISTRATION:
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 Jim Reinbold ■ AK, AZ, MT, NM, WA
 303-482-1836 ■ jreinbold@carlsonsw.com
 www.carlsonsw.com



Carlson
BREAK NEW GROUND

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March 27-30, 2021

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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 OF (ASPLS, APLS, CLSA, LSAW, MARLS, NALS, NMPS) _____ PLS # _____

MEMBER REGISTRATION

	BY MAR 10	AFTER MAR 10	AMOUNT
Virtual Conference	\$345	\$445	\$ _____
Virtual Conference (One Day)	\$175	\$275	\$ _____
<input type="checkbox"/> Sunday <input type="checkbox"/> Sunday <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday			

NON-MEMBER REGISTRATION

	BY MAR 10	AFTER MAR 10	AMOUNT
Virtual Conference	\$445	\$545	\$ _____
Virtual Conference (One Day)	\$275	\$375	\$ _____
<input type="checkbox"/> Sunday <input type="checkbox"/> Sunday <input type="checkbox"/> Monday <input type="checkbox"/> Tuesday			

STUDENT REGISTRATION

	BY MAR 10	AFTER MAR 10	AMOUNT
Virtual Conference	\$100	\$200	\$ _____

Students must be enrolled in a survey curriculum.
Students must provide a current student ID.
Student registrants may not be licensed land surveyors.

PHOTO/VIDEO DISCLAIMER: By registering for, and attending this conference, you agree that your image may be taken during the conference and used at any time, without further notification, for printed materials, websites, social media and other purposes.

PHOTOGRAPHY, RECORDING, LIVE STREAMING, & VIDEO TAPING: Attendees/Participants may not record or broadcast audio or video of conference sessions, workshops, seminars, etc. Recordings will be made by the Conference and available to attendees on a complimentary basis until August 31st after which time they can be accessed for an additional fee.

EXHIBITOR DISCLAIMER: By registering for, and attending this conference, you agree that your contact information may be provided to exhibitors for a one-time use in providing you information regarding their products/services.

CANCELLATIONS: Cancel by March 10th to receive a full refund, less \$50 cancellation fee. Cancel after March 10th, no refund will be available but substitutions can be made. Substitutions welcome – additional fees may apply. Contact the conference office at: (888) 994-3510 for more information.

PAYMENT INFORMATION

Total Enclosed \$ _____

☐ Check (Payable to Western Regional Survey Conference)

Charge to: ☐ Visa ☐ MasterCard

CARDHOLDER NAME _____

CARD # _____

EXP. DATE _____ CVV # _____

BILLING ZIP CODE _____

AUTHORIZED SIGNATURE _____

MAIL TO:

Western Regional Survey
Conference Office
526 South E Street
Santa Rosa, CA 95404

FAX TO: (707) 578-4406

QUESTIONS?

(888) 994-3510
conference@plseducation.org

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