

LSAW SURVEY TECH WEBINAR SERIES

Civil 3D

This session will focus on the following:

- Line Work Coding
- Figure Prefix Data Base
- Description Keys, Wild Cards, etc.

October 22nd
9 AM - 11 AM

About This Webinar Series

This webinar series has been developed to provide education to survey technicians. The series includes the following webinars:

- Oct. 22nd - Civil 3D
- Oct. 29th - Field to Finish in Carlson Survey
- Nov. 5th - WSRN User Forum
- Nov. 12th - Modern Workflows with Magnet Field
- Nov. 19th - Trimble Access Field to Office Workflows

Webinar Pricing

LSAW MEMBERS:

Full Series: \$295

Individual: \$75

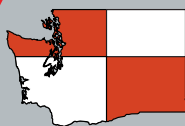
NON-MEMBERS:

Full Series: \$590

Individual: \$150

Join & Save: \$390

*Includes Associate Membership
2021-2022 and webinar
registration.*



LSAW
Land Surveyors' Association of Washington

Register Online:
LSAW.org



Meet The Speaker Rick Ellis

Rick Ellis is President of CADapult Software Solutions. Rick has worked with and taught Civil/Survey CAD software since the mid-90s. He is the author of a series of books on AutoCAD Map 3D, Civil 3D, and most recently, Carlson Survey, known as "Practical Guides." He continues to work on projects in a production environment, in addition to teaching classes to organizations, both large and small, around the country, helping them get the most out of their design, software investment. This practical background and approach has made him an award winning speaker at Autodesk University, a member of the national speaker team for the AUGI CAD Camps and a sought-after instructor by organizations around the world.

LSAW SURVEY TECH WEBINAR SERIES

An Overview of Field to Finish in Carlson Survey

This session will start with the very basics of Carlson's Field to Finish to help create and properly layer points and symbols. We will then cover more advanced aspects such as coding for linework, drawing production and for a head-start toward creating an existing ground surface. During this session we will create a new FLD file from scratch and also demonstrate how to use one of your existing point files to generate an FLD file with your specifications in less than 15 minutes. The practices shown in this session will apply to the office software and will also translate for use in Carlson SurvCE for field data collection.

October 29th
9 AM - 11 AM

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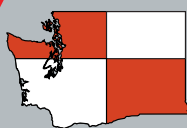
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Meet The Speaker Jennifer DiBona

Jennifer DiBona is a long-time CAD consultant and trainer doing business as That CAD Girl. Jennifer has a degree in Surveying Technology and approximately 30 years of experience working with land surveying, civil engineering, and construction professionals. That CAD Girl is an independent consultant based out of Raleigh, NC. We are an authorized reseller and certified training center for Carlson Software and provide sales, support and training for Carlson Software, AutoCAD and IntelliCAD software programs. Field to Finish, Surface Modeling and all aspects of CAD standardization are our specialties. You can reach her at Jennifer@ThatCADGirl.com or (919) 417-8351 and learn more at www.thatcadgirl.com/about.

LSAW SURVEY TECH WEBINAR SERIES

WSRN User Forum

Points for Discussion

- Dealing with geodetic dynamics:
 - Calibration/localization approaches
 - Time-dependent transformations
- When single-base is a better option than network
- The hazards of mixing solutions
- What sort of accuracies should we expect?
- What does the WSRN need or want from the users?
 - GPS on Benchmarks
 - Photos, recon, site checks
 - Sample data for WSRN integrity testing

WSRN Infrastructure Update

- New Stations
- Multi-constellation updates
- Server Migrations (complete)

WSRN User Applications Update

- Caster Redundancy
- NTRIP testing
- Online post-processing
- Live user maps

November 5th
9 AM - 11 AM

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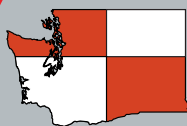
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Meet The Speaker Gavin Schrock, PLS

Gavin Schrock, PLS is a land surveyor, technology writer, and operator of a cooperative real-time GNSS geodetic network (RTN). Originally from PA, Gavin spent most of his youth in and began surveying in Australia, then worked in AK, AZ, HI, CO, CA, and a few other places that sometimes he can't remember, before settling in the Pacific Northwest, where he is viewed as a relatively harmless survey geek. He tried his hand at standup comedy, but someone told him he wasn't funny and should take up surveying. He has worked in surveying, geodesy, mapping, data management, GNSS, and GIS for more than three decades in the civil, utility, defense, and mapping disciplines. He is published in these fields and has taught these subjects at local, state, national, and international conferences.

LSAW SURVEY TECH WEBINAR SERIES

Modern Workflows with Magnet Field

GPS Workflows

- GPS setup covering localizing to local control and occupying into a National Grid System.
- GPS diagnostics, checks and what to watch for.

Robotic workflows

- Fundamentals of Robotic controls in Magnet.
- Robotic occupation workflows covering Occupy/Backsight and Resection.
- Quality checks and tips for good results.

Hybrid setup

- Working with GPS and Robotics at the same time.
- Why Hybrid?

Data

- Working with Drawings and PDF files.
- Point creation and data prep.

Mapping with Magnet

- Fundamentals of Coding and Autolinerwork.
- Quick Codes.

Staking with Magnet

- View styles and stakeout modes.
- Reports.
- QA/QC.

November 12th
9 AM - 11 AM



Meet The Speaker Curtis Huggins

Curtis Huggins is a MAGNET Specialist with over 25 years of experience in training and tech support. He has worked at Topcon Solutions Store in the Northwest for 7 years – but previous tours have included tech department manager at Tripod Data System in Corvallis, Oregon; Hayes Instrument Company out of Tennessee; The PPI group out of Portland, Oregon; and finally Topcon Solutions Stores – Northwest. He is a MAGNET enthusiast who thoroughly enjoys his line of work and is proud to be part of the Topcon Solutions team that helps to serve the AEC industry.

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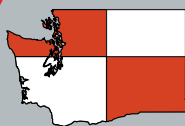
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LSAW SURVEY TECH WEBINAR SERIES

Trimble Access Field to Office Workflows

GNSS Surveying

- Connection and utilization of the WSRN Network
- The Benefits of Localizing to Control in Site Calibration
- GNSS Surveying using IMU Tilt based compensation
- Utilizing satellite-based correction services to enhance rural surveying (RTX)
- Integrated Surveying (Surveying using GNSS and Robotic Total Station Simultaneously)

Access Software Field Workflow

- Field Calibrations
- Benefits to incorporating Feature Code Libraries and driving linework real-time in the field. (CAD Toolbar and FXL file)
- Scanning Robotic Total Station Workflows

Staking out with Trimble Access

- Stakeout utilizing points, lines, alignments, and background maps
- COGO basic
- Using the new Snap to Tool Bar to quickly generate stakeout points in the field
- Utilizing Sync Manager to remotely import/export files between the field and office

November 19th
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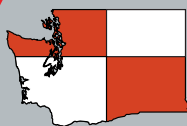
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Meet The Speaker Robert Green, PLS

Robert L. Green, PLS is a multi-generation land surveyor with over 42 years of boundary, cadastral, ROW, topographic and geodetic experience. He is a former business owner of a Colorado based land surveying and consulting firm. Mr. Green is a past 2 term member of The Monitor Panel of the Colorado State Board of Licensure for Architects, Professional Engineers, and Professional Land Surveyors, and a past member of the Survey Engineering Industrial Advisory Committee at New Mexico State University. Bob has been a positioning consultant to numerous government agencies including the US Air Force Space Command, US Marine Corps/Department of Defense, US Border Patrol, Army Corps of Engineers, Homeland Security (FLETC) and NASA at White Sands Test Facility. Bob is employed by Frontier Precision and is a well-known public speaker and measurement technology advocate. Mr. Green is currently working on several research and development endeavors to streamline and improve functionality to legacy geospatial and drone-based photogrammetry and lidar workflows.

LSAW Survey Tech Webinar Series

October 22 - November 19, 2021

Each Friday, 9 AM - 11 AM

REGISTRATION INFORMATION

Name _____

Company _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

E-mail _____ LSAW Member Number _____

REGISTRATION SELECTION

Full Webinar Series

- LSAW Member (\$295) Non-Member (\$590)
- Non-Members: Join & Save (\$390 - Includes Associate Membership 2021-2022 & Webinar Series)

Individual Courses

- Oct. 22nd - Civil 3D LSAW Member (\$75) Non-Member (\$150)
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METHOD OF PAYMENT: Check VISA MasterCard

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