

Missouri Society of Professional Surveyors

SPRING WORKSHOP

April 30 - May 1, 2021

LODGE OF FOUR SEASONS

315 Four Seasons Drive

Lake Ozark, MO 65049

REGISTRATION

Spring into the Bi-Centennial

SPEAKERS

Earl Graham, PLS

Eric Harris, PC

Gary Kent, PS

Ryan McDowell, PLS

Joseph Paiva, PhD, PLS

Ralph Riggs, PLS

Ray Riggs, PLS

Bob Shotts, PLS

Robert Ubben, PLS

Mark Wiley, PLS

Friday, April 30, 2021

- 7:00 am REGISTRATION OPENS
- 7:00 – 8:00 am BREAKFAST BUFFET (included)
- 8:00 – 9:45 am **The Art of Professional Communications and How it Impacts the Surveying Profession**
Professional communications can include conversations, written and now digital discussions relative to a given profession, or project within that profession. We will discuss how this has changed over the years what we should do to survive the current trend and where we think technology and the profession of surveying is taking us.
Robert Ubben, PLS, Affinis Corp.; Mark Wiley, PLS, Heideman & Associates, Inc.
- 9:45 – 10:15 am BREAK with EXHIBITORS
- 10:15 – 12 noon **Examining the Record - A Sensible Approach to 21st Century Office Research**
GLO Records? County Surveyor's Records? Subdivision Plats? Highway Plans? What is the range of sources you need to examine before packing up and heading out to the field? How about indexing? Can you retrieve your own survey records in a timely and efficient manner? This presentation will outline an orderly approach to examining the most common survey record sources (and a few of the less common archival records) and give the presenter's method of indexing private survey files.
Ray L. Riggs, PLS, Florabama Geospatial Solutions
- 12:00 – 1:00 pm LUNCH with EXHIBITORS (included)
- 1:00 – 3:00 pm **Part I: Tips for Using GNSS Properly in Land Surveying Practice, Including Compliance with Standards and Specifications**
Contrary to popular belief using GNSS (whether RTK or static) is not simple. Surveying technologies follow a simple truth: the "simpler" it is to turn on and collect data, the more complex it is and the more understanding the surveying team, including the licensed land surveyor, must understand about what's under the "hood," in their data, and in the technology. A checklist of items will be presented that surveyors are required to adhere to in published standards, as well as items that professional surveyors are presumed to know and understand. Techniques and sources of information on how to achieve the needed proficiency in the use and publication of results from GNSS survey work will be presented.
Part II: Tips for Understanding Errors in Surveying and How Least Squares Analysis Can Help You
Surveyors don't always worry about how well their surveys "close." The downsides of not analyzing survey data that is not redundant will be presented, and then simple tips on how to achieve methods of checking one's work. Field procedures that are need to be added to allow this checking will also be presented. This section will conclude with the benefits of survey data adjustment, and how least squares analysis, using commercial software, can be helpful in achieving this.
Ryan McDowell, PLS, State Technical College of Missouri; Joseph Paiva, PhD, PS, PE, GeoLearn LLC
- 3:00 – 3:30 pm BREAK with EXHIBITORS
- 3:30 – 5:00 pm **Deeds and Easements - How Should These Documents be Prepared**
You cannot legally prepare a deed or an easement for it is the unauthorized practice of law! This presentation will explain the many forms of deeds and easements and the methods by which they are created by written document or by operation of law. You will be given a checklist on what wording and matters should be considered in preparing an easement. Who can legally prepare a legal description for a deed or easement?
Eric C. Harris, P.C.
- 5:30 pm RECEPTION WITH EXHIBITORS (complimentary beer, wine and hors' d'oeuvres)

Saturday, May 1, 2021

- 7:00 am REGISTRATION OPENS
- 7:00 – 8:00 am BREAKFAST BUFFET (included)
- 8:00 am **CST EXAM**
The CST Exam will be held simultaneously with the Spring Workshop program.
- 8:00 – 10:00 am **Reconnaissance, Recovery and the Record**
Steps to locate, preserve and document the corners of the US Public Land Survey System
Ralph Riggs, PLS, CFedS—FGS-Surveyors; Bob Shotts, PLS, CFedS, Archer-Elgin Solutions
- 10:00 – 10:30 am BREAK with EXHIBITORS
- 10:30 – 12:30 pm **Property Boundary Resolution with Consideration of Positional Accuracies**
When we talk about following in the footsteps of the previous or original Surveyor it is important to consider what methods that Surveyor may have used to obtain his measurements, Compass and Chain, Transit and Tape, Total Station, GPS, etc., and what kind of accuracies these methods provide. I would like to explore how the accuracies we are able to obtain today compare with past methods and how those differences affect our decision making relating to Boundary Resolution. The program will also include a general overview of Compiling and Interpreting Data as well as Technics for Property Boundary Resolution.
Earl Graham, PLS, Grimes Consulting, Inc.
- 12:30 – 1:00 pm LUNCH (included)
- 1:00 – 2:30 pm **The New 2021 ALTA/NSPS Standards**
After two years of work on the part of the Joint ALTA/NSPS Committee and others, the new 2021 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys were adopted ALTA and NSPS in October 2020, effective February 23, 2021. The committee and over 300 surveyors from across the country reviewed fifteen pages of suggestions and comments in developing the 2021 standards. This program will provide context and an explanation of what each and every change means to the professional surveyor. In addition, a set of FAQs for the 2021 Standards has been developed and will be reviewed.
Gary R. Kent, PS, Meridian Land Consulting, LLC
- 2:00 – 2:15 pm BREAK
- 2:15 – 4:45 pm **ALTA/NSPS New Standards continued**

CST EXAM

MSPS will be sponsoring a CST exam on Saturday, May 1st at the Spring Workshop. The exam will start at 8 am so participants will need to check into the exam room at 7:30 am. If you are interested in taking the exam, go to the CST website at <https://cstnsp.com/> and complete the application. Levels I, II and III can take the exam. This will be a paper exam. If you have any questions, please contact Norm Ellerbrock at norm@fourpointssurvey.com or 573-406-3002.

REGISTRATION

Name _____ RLS# _____

Firm _____

Address _____

City, State _____ Zip _____

Phone _____ Email _____

Registration Information

Registration fee is \$250 for MSPS Members and \$400 for Non-Members. A special rate of \$150 is available for non-licensed technicians (Associate Members of MSPS). Registration fee plus 2020 Associate Membership is \$185. **Deadline for meeting registration is April 16, 2021.** After this date, a 10% processing fee will be added to registration fees. The fee includes instructional materials, refreshment breaks, lunch on both days, cocktail reception and two breakfasts. To register, complete the registration form and mail with payment to MSPS, 722 E. Capitol Avenue, Jefferson City, MO 65101.

Location and Lodging

The Lodge of Four Seasons, 315 Four Seasons Drive, Lake Ozark is the location for the 2021 Spring Workshop. A block of rooms has been reserved at a rate of \$128.00 for single or double occupancy. **Deadline for hotel reservation is April 7, 2021.** Make your reservation by calling the Lodge of Four Seasons at 888-265-5500.

Golf Tournament

The MSPS PAC Fundraiser Golf Tournament will be held on Thursday, April 29, 2021 at 1:00 pm at The Cove Golf Course and is \$85 per person. Two mulligans per person are included and prizes are given for first, second and third teams. Additionally there are prizes for long drive, closest to the pin and longest putt!

Continuing Education Credits

This course has been approved for 15 PDUs (7.5 each day) with the Missouri Board for Architects, Professional Engineers, Professional Land Surveyors and Landscape Architects.

Cancellation Policy

MSPS reserves the right to cancel the program and return all fees in the event of insufficient registration. A participant may cancel a registration up to two weeks before the course date and receive a refund less a \$25 processing fee. **NO REFUNDS AFTER April 16, 2021.**

REGISTRATION FEES

MSPS Member (\$250)

- Friday Only (\$125)
- Saturday Only (\$125)
(No Half Day Options)

Non-Member (\$400)

- Friday Only (\$200)
- Saturday Only (\$200)
(No Half Day Options)

Technician (\$150)

Golf (\$85 per person)

PAYMENT OPTIONS

- Credit Card (Visa, MasterCard, Discover, American Express) Check Invoice my Firm

Credit Card # _____ Exp. Date _____

CVV Code _____ Amount Enclosed \$ _____

MSPS, 722 E. Capitol Avenue, Jefferson City, MO 65101

573-635-9446 ~ Fax: 573-635-7823 ~ msps@missourisurveyor.org ~ www.missourisurveyor.org

Return your registration form to MSPS before April 16, 2021