



# 75<sup>th</sup> Annual Surveyors' Institute

**January 24 – 26, 2024**

Kalahari Convention Center, Wisconsin Dells, Wisconsin



Continuing Education and Outreach  
University of Wisconsin-Stevens Point



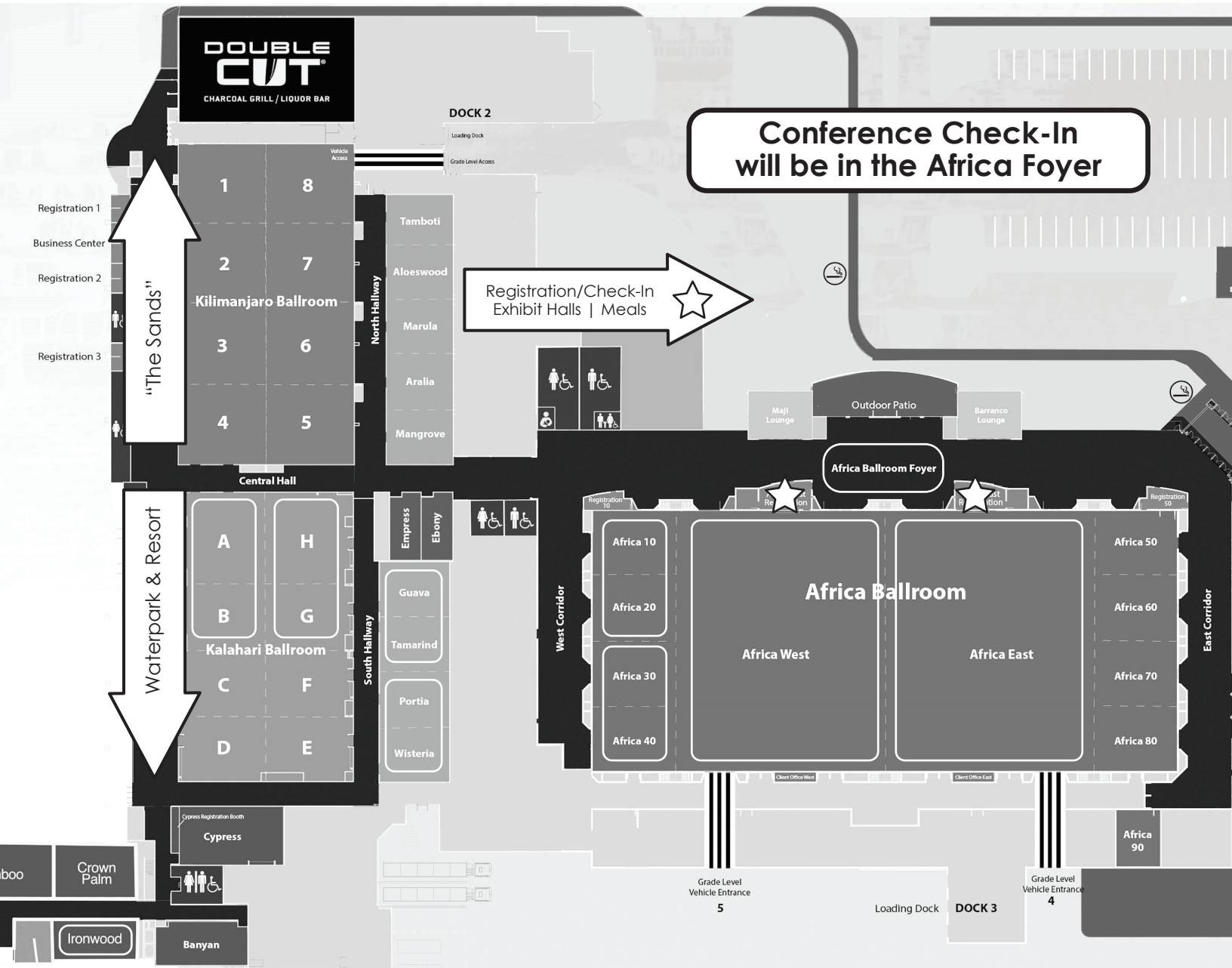
**NSPS**





# Conference Map

1305 Kalahari Drive, Wisconsin Dells, WI 53965 | 1-877-KALAHARI (525-2427)



## Rooms that will be used

- Africa 10–20
- Africa 30–40
- Africa Ballroom
- Guava–Tamarind
- Ironwood
- Kalahari Ballroom AB
- Kalahari Ballroom HG
- Portia–Wisteria

## Mother's Room

The Kalahari has a dedicated Mother's Room located in the Africa Foyer. Ask at the check-in booth if you have additional questions.

# Schedule

## Wednesday, January 24, 2024

8:30 – 10 a.m.

**Check-In and Breakfast**  
Africa West

10 – 10:20 a.m.

**Building Boundaries - Africa West**

10:30 a.m. – Noon

**Breakout Sessions 1 – 6**

1. Easements and Rights of Way - Part 1 of 3
2. County Review of CSMs and Plats
3. The American Surveyor; The Impact Surveyors Had in How America was Built
4. Boundary Law and Adverse Possession: 75 Years of Court Cases
5. Wisconsin DOT Updates
6. 10 years of the Young Surveyors Network!

Noon – 1:30 p.m.

**Lunch**

1:30 – 3:10 p.m.

**Breakout Sessions 7 – 12**

7. Easements and Rights of Way - Part 2 of 3
8. The Good, the Bad, and the Ugly
9. Primary Control Projects in the Modernized NSRS – Overview and Tools
10. Ethics and Professional Conduct for a Professional Surveyor
11. Vendor Session: Boosting Productivity with GNSS Positioning Insurance
12. Vendor Session: What's new with Trimble and Seiler

3:30 – 4:30 p.m.

**Breakout Sessions 13 – 18**

13. Easements and Rights of Way - Part 3 of 3
14. Electronic Processing of Certified Survey Maps
15. Opportunities for Surveyors in GIS
16. Legislative Updates
17. Vendor Session
18. Vendor Session

4:30 – 8 p.m.

**Cash Bar**  
Africa East

6 – 7 p.m.

**Exhibitor's Reception**  
Africa East

7 – 8 p.m.

**Bucky's Challenge**  
Africa West

## Thursday, January 25, 2024

7:30 – 8:30 a.m.

**Check-In and Breakfast**  
Africa West

8:20 – 10 a.m.

**Breakout Sessions 19 – 24**

19. Minimum Standards: History, Evolution, and why they are important
20. PLSS Section Breakdown/Fractional Sections
21. Forensic Surveying - Part 1 of 2
22. The Surveyor in Jeopardy - Part 1 of 2
23. Vendor Session: Drone to Map with Carlson
24. Vendor Session

## Thursday, January 25, 2024 (Continued)

10:20 a.m. – Noon

**Breakout Sessions 25 – 30**

25. A Look at Professional Ethics for Land Surveyors
26. Access to State Highways - Why Surveyors Need to Know this Methodology
27. Forensic Surveying - Part 2 of 2
28. The Surveyor in Jeopardy - Part 2 of 2
29. Vendor Session
30. Vendor Session

Noon – 2 p.m.

**Past Presidents' Lunch**

2 – 4 p.m.

**Breakout Sessions 31 – 36**

31. NAPS Certified Floodplain Surveyor Program
32. Drone Survey Accuracy, and How to Prove it
33. Do I own, what I possess?
34. WSLs Membership Meeting
35. Vendor Session
36. Vendor Session

4:30 p.m.

Exhibit Hall Closes

5 – 5:45 p.m.

**Cash Bar and Foundation Auction**  
Africa West

6 – 8 p.m.

**Banquet and Scholarship Award Ceremony - Africa West**

## Friday, January 26, 2024

7:30 a.m.

**Check-In and Breakfast**  
Africa West

8:30 a.m.

**Certified Survey Technician Testing**  
Ironwood

8:20 – 10 a.m.

**Breakout Sessions 37 – 42**

37. Online Record Research
38. Historic Preservation and Public Works
39. Ethics - A Practical Look at the Real World of Ethics
40. Women's Surveyors Summit Recap & Surveying at the International Level
41. AE-6 Wisconsin PLS Licensure
42. Vendor Session

10 – 10:20 a.m.

Break

10:20 – Noon

**Breakout Sessions 43 – 48**

43. Tribal Lands - sovereign nations have land rights too
44. The History of the Wisconsin Society of Land Surveyors and Who We are Today
45. The Role of the Survey in Municipal Annexation and Detachments
46. Wisconsin County Surveyors Association (WCSA) Annual Membership Meeting
47. Licensing Exam Prep
48. Vendor Session

Due to speaker illness, poor weather conditions, or other unforeseen circumstances, schedule may change without notification.

Get *Whova* for 75<sup>th</sup> Annual Wisconsin Surveyors' Institute

## Join us on our official event app

We're using *Whova* as our official event app to facilitate networking, host the event agenda, distribute documents, and send announcements!



Scan this QR Code for the link to download Whova from the App Store and Google Play

Having trouble joining?

Search for our event and enter the invitation code: **Surveyors2024**



## Professional Development Hours (PDHs)

The 75<sup>th</sup> Annual Wisconsin Society of Land Surveyors' Institute has been approved for 15.8 Professional Development Hours (PDHs). PDHs are endorsed by the Wisconsin Society of Land Surveyors (WSLS). PDHs are earned in the workshops that you attend during the Institute, not on the workshops indicated when you registered. It is the individual's responsibility to report PDHs earned to their appropriate credential or licensing board. You will receive an online form to obtain your official, personalized, printable PDH form via email after the Institute. Copies will be retained by UWSP and WSLS.

## WSLS Membership

The Wisconsin Society of Land Surveyors wouldn't exist if it weren't for our members. Becoming a member of the WSLS will help to keep you up to date on issues, laws, and regulations that affect the profession of land surveying. Join us in our endeavors or promoting the land surveying profession, improving legislative awareness, and enhancing professionalism. We encourage our members to get involved, provide input, and be an active participant. For more information about WSLS, visit [WSLS.org](http://WSLS.org) or visit the WSLS booth in the exhibit hall.

## Bucky's Challenge: WSLS Foundation FUNdraiser

Get set for the 17<sup>th</sup> annual big event, Wednesday evening, January 24, 2024. Bucky's Challenge is a trivia contest covering such topics as surveying (of course!), math, sports, television, movies, history, geography, and whatever else comes to mind. Join up to 24 teams of three to eight people, representing firms, vendors, local chapters, alumni from our technical colleges, county surveyors, and other groups that can find a sponsor. It's not too late to sign up! Please visit the WSLS Foundation Booth in the exhibit hall for more information.

## Foundation Social Hour and Raffle

This entertaining event offers attendees a chance to bid on great items including cash prizes and many others. Items will be available for viewing throughout the Institute in the Foundation Booth. A cash bar will be available.

## Evening Banquet and Scholarship Award Ceremony

On Thursday, join us for an evening of celebration, where we will honor exceptional surveyors. The Banquet and Awards will recognize new licenses, Map/Plat contest winners, Trig-Star winners, and other Annual Awards. Scholarship recipients will be recognized, and the 2023 President will pass the gavel to the new 2024 President. Tickets are required for entry and are included in the cost of the Full Institute. Banquet tickets will be collected at the door at the start of the Banquet on January 25, 2024. On-site banquet tickets may still be available for purchase! Please visit the UWSP check-in booth for more information.

## WSLS YSN Annual Bowling Social

Young Surveyors, join the YSN for our annual bowling social event after Bucky's Challenge on Wednesday night! One game and shoe rental will be sponsored. Bowling not your thing? Come just to network with other young surveyors from around the state. See you there!

# Conference Information

## Exhibitors Welcome at the 75th Annual Surveyor's Institute!

Institute participants are professional land surveyors, survey technicians, and other interested persons from Wisconsin and the Midwest area. For more information, please visit the conference website or contact Bob Beifuss at (262) 250-8003 or [flashthunder506easy@gmail.com](mailto:flashthunder506easy@gmail.com). As we did in the past few years, we will be doing booth reservations online only. Booth reservation applications can be found on [WSLS.org/Store](http://WSLS.org/Store).

## Exhibit Hall Hours

Wednesday, January 24 from 12 – 6:30 pm  
Thursday, January 25 from 7:30 am – 4:30 pm

**Absolutely no admission prior to 12:00 pm on  
Wednesday, January 24.**

## Exhibitors' Reception

Enjoy a pizza and pasta buffet while visiting with Institute exhibitors on Wednesday evening! A cash bar will be available.

## Institute Handouts

Institute handouts can be accessed through a link found in the session descriptions in Whova. If you have difficulties accessing the handouts, please visit the UWSP check-in booth.

## Name Tags

Please have your name tag visible for admittance into the sessions. You must wear your name tag to be served lunch on Wednesday and Thursday. Also, bartenders have been instructed not to serve anyone who does not have an Institute name tag at the Vendor Social or Bucky's Challenge.

## Special Dietary Requests

UWSP Continuing Education works hard to communicate all special meal requests and allergies to the conference venue. Unfortunately, due to circumstances beyond our control, we cannot guarantee all special dietary needs can be met. If you have dietary needs (i.e., kosher, low salt, low carb, keto, etc.), you may wish to make alternative meal arrangements.





## Wednesday, January 24, 2024

### Breakout Sessions 1 – 18

**Check-In and Breakfast**  
8:30 – 10 a.m. | Africa West

**Building Boundaries**  
10 – 10:20 a.m. | Africa West

### Sessions 1 – 6 | 10 a.m. – Noon

#### 1) Easements and Rights of Way Part 1 of 3

Surveyors deal with easements almost every day, and they are the subject of a tremendous amount of litigation, so they are of great interest to the surveying community. The program covers all aspects of easements from their creation (both written and unwritten), through interference, maintenance, overburdening, how they differ from licenses, the importance of recordation, reversionary rights, and the many ways in which they can be terminated or extinguished. The program is tailored to the laws and court decisions of the state in which the program is presented and generates a lot of interest and discussion among the audience.

**Gary Kent** - BSLS - presenter of programs in all 50 states

#### 2) County Review of CSMs and Plats

Many of our County Surveyors review Certified Survey Maps, Subdivision Plats or even Condominium Plats. By using State Statute Chapter 236 and Administrative Code AE-7, they see many excellent survey documents as well as identify mistakes. With this panel discussion, several County Surveyors will reveal those items that make a survey excellent as well as looking at some of the more common mistakes found and how to prevent them.

**Dean Roth** - County Surveyor since 2016, PLS, BS; Geography/Cartography, UWEC, AS; Land Surveying, Nicolet College

**Laurence Johns** - PLS

**Dave Yurk** - PLS 3108

**Dave Decker** - David Decker, PLS 3108

#### 3) The American Surveyor; The Impact Surveyors Had in How America was Built.

Let's travel back in time to the Revolutionary War. We're going to take a look at some impactful surveyors, their families, and the impact they had on how our great country was settled. From Colonial Times, to the first surveys in Wisconsin, surveyors played a huge role in the independence of the United States.

**Emily Pierce** - PLS

#### 4) Boundary Law and Adverse Possession: 75 Years of Court Cases

In this session we will explore the historical twists and turns of boundary law with an in-depth look at some of the more interesting cases from the past 75 years and how those cases have shaped what we do today. Questions and examples for discussion are encouraged.

**Jessica Shrestha** - Attorney

#### 5) Wisconsin DOT Updates

Wisconsin DOT Geodetic Survey Unit will discuss and answer questions about the upcoming WISCORS changeover to 2022 datum, keeping a WISCORS station operational during a renovation of Janesville's City Services Center building and review of WISCORS station construction and maintenance, including the new braced monument style. Review of recent updates to WisDOT's Facilities Development Manual (FDM) Chapter 9 (Surveying & Mapping) and Chapter 12 (Right-of-Way Plat and Exhibit Development). Introduction of WisDOT's right-of-way GIS project and related importance of submitting CAD files.

**Jacob Rockweiler** - PE, WISCORS Network Manager, Wisconsin Department of Transportation, Madison

**Elliot Smith** - BS, WISCORS Network Administrator, Wisconsin Department of Transportation, Madison, WI

**Shawn Meyer** - PLS, Bureau Survey Coordinator, Wisconsin Department of Transportation, Superior, WI

**Keif Callaway** - PLS, Bureau Plat Coordinator, Wisconsin Department of Transportation, Madison, WI

#### 6) 10 years of the Young Surveyors Network!

Come celebrate the past 10 years of the Young Surveyors Network as we relive the history and make plans for the future! Highlights also include recaps of the NSPS Student Competition, NSPS YSN Meetings, WSLs YSN Summer Outing and more. Special guest appearances. We encourage those who are new to the institute, students, young surveyors, past and current YSN Members, and supporters of the YSN to attend and participate in our annual meeting. Learn more about the YSN at [www.wsls.org/YSN](http://www.wsls.org/YSN).

**Netty Harley** - Professional Land Surveyor

**Connor Christopherson** - PLS

**Lunch**  
Noon – 1:30 p.m. | Africa West

Sessions 7 – 12 | 1:30 – 3:10 p.m.

## 7) Easements and Rights of Way Part 2 of 3

Surveyors deal with easements almost every day, and they are the subject of a tremendous amount of litigation, so they are of great interest to the surveying community. The program covers all aspects of easements from their creation (both written and unwritten), through interference, maintenance, overburdening, how they differ from licenses, the importance of recordation, reversionary rights, and the many ways in which they can be terminated or extinguished. The program is tailored to the laws and court decisions of the state in which the program is presented and generates a lot of interest and discussion among the audience.

**Gary Kent** - BSLS - presenter of programs in all 50 states

## 8) The Good, the Bad, and the Ugly

Riparian Bottomlands Water Access Apportionment Allocation Design Surveys. To the Professional Surveyor it simply means 'where can my client(s) put their dock'. We will attempt to condense an eight to sixteen hour presentation into less than two hours. We will cover basic design concepts while sharing with you more than three decades of court expert witness experiences. Questions are always appreciated.

**Corey Hughes** - Michigan Professional Surveyor

## 9) Primary Control Projects in the Modernized NSRS – Overview and Tools

Learn about the challenges and opportunities involved with creating and maintaining primary control networks in the new dynamic datums and what tools are available from NGS to plan, submit and adjust data for both NSRS inclusion and non-NSRS projects. We will go over opportunities for private surveying firms, why you should take advantage of OPUS Projects training and what role standards and best practices can play in maintaining wide area network integrity. We will also examine what role the State Cartographer's Office "Survey Control Finder" can play in disseminating non-NSRS data and the importance of metadata being available to determine the suitability of individual control stations to the proposed use.

**Dick Kleinmann** - PLS

**Howard Veregin**

**Jacob Heck** - Ph.D., P.S.

## 10) Ethics and Professional Conduct for a Professional Surveyor

As professionals, surveyors are held to a higher standard and are expected to follow a code of ethical professional conduct and operation. This presentation will examine the elements of this code and how they fit in the surveyors conduct. It will also examine real ethical case situations and discuss why they were or weren't violations of an ethical code.

**John Matonich** - Education B.S., Land Surveying with Honors (Michigan Technological University, 1981) Registration

## 11) Vendor Session: Boosting Productivity with GNSS Positioning Insurance

During this presentation, new surveyors will discover how to leverage positioning insurance to optimize their productivity and minimize downtime in the field. We'll explore PPP as the key tool that can enhance base/rover RTK methods and real-time network workflows. More specifically, you will learn about xFill correction and the many benefits and productivity gains that come with employing this Trimble technology, and we'll explain how the CenterPoint RTX solution can further extend these benefits. This presentation is a must-see for surveyors looking to maximize their efficiency in the field.

**Motaz Mostafa**

## 12) Vendor Session: What's new with Trimble and Seiler

We will cover new Trimble hardware and software updates as well as what Seiler has to offer in drones, ground penetrating radar, and hydrographic survey options.

**Holly Urbain**

**Steve Grady**

Sessions 13 – 18 | 3:30 – 4:30 p.m.

## 13) Easements and Rights of Way Part 3 of 3

Surveyors deal with easements almost every day, and they are the subject of a tremendous amount of litigation, so they are of great interest to the surveying community. The program covers all aspects of easements from their creation (both written and unwritten), through interference, maintenance, overburdening, how they differ from licenses, the importance of recordation, reversionary rights, and the many ways in which they can be terminated or extinguished. The program is tailored to the laws and court decisions of the state in which the program is presented and generates a lot of interest and discussion among the audience.

**Gary Kent** - BSLS - presenter of programs in all 50 states

## 14) Electronic Processing of Certified Survey Maps

*A presenter will be virtually presenting in this session.*

Certified survey maps are currently a paper based, time consuming, analog process. With Wisconsin adoption of approved Remote Online Notarization and 100% of Wisconsin Counties accepting eRecording, it is now possible to fully create, route, sign, notarize and eRecord Certified Survey Maps in a streamlined, secure and legal process. This session will explain and demonstrate options for electronic handling of certified survey maps including electronic review and approval, stamping, signing, notarization, recording and return.

**Cheryl Berkin** - Brown County ROD

**Michelle Wilsey** - Regional Director, ICE Mortgage Technology-SIMLIFILE

## 15) Opportunities for Surveyors in GIS

Learn about the extensive opportunities for individual surveyors and surveying firms in the GIS world and how these opportunities may make your own career more resilient or help your firm weather economic downturns by diversifying your professional service offerings. This is NOT about parcel mapping; it is much bigger than that! The time might be right for you to expand your thinking and your personal and corporate potential.

**Dick Kleinmann** - PLS

## 16) Legislative Updates

Welch will discuss recent changes to WI statutes and regulations that affect surveyors and their clientele. He will also discuss how WSLs gets involved to make policies better, and how individual surveyors can get involved and make a difference.

**Bob Welch** - PLS, The Welch Group, Inc., Madison, Wis.

## 17) Vendor Session

Please refer to Whova for updated session descriptions.

## 18) Vendor Session

Please refer to Whova for updated session descriptions.

### Cash Bar

4:30 – 8 p.m. | Africa East

### Exhibitor's Reception

6 – 7 p.m. | Africa East

### Bucky's Challenge

7 – 8 p.m. | Africa West

**Thursday, January 25, 2024**

**Breakout Sessions 19 – 36**

### Check-In and Breakfast

7:30 a.m. | Africa West

**Sessions 19 – 24 | 8:20 – 10 a.m.**

## 19) Minimum Standards: History, Evolution, and why they are important

Was AE7 the first time in Wisconsin we had laws to follow? The history and compliance of minimum standards in Wisconsin.

**Lisa Van Horn** - Professional Land Surveyor

**Michaela Galganski**

## 20) PLSS Section Breakdown/Fractional Sections

Protracting a PLSS Section is a necessary part of how surveyors establish the interior boundary lines of a Section. Things can get a bit complicated when dealing with closing Sections. Things can get even more complicated when handling irregular centers of Section and 40 corners. In this session, we will look at the basics subdividing PLSS Sections, and some unique Section breakdown situations.

**Laurence Johns** - PLS

**Tony Dallman**

## 21) Forensic Surveying - Part 1 of 2

Forensic surveying is a service provided by a professional land surveyor with its major impact as expert testimony to the court's. It also includes the traditional land surveying procedures, in depth research and a professional report of the findings. It may also require attendance at depositions and testifying at court. It requires knowledge in title research, priority of calls as well as photogrammetry both aerial and terrestrial. It may also include historical research, cooperation with other professionals and a clear and concise reporting of the findings. An extended bibliography beyond those normally used by professional land surveyors is often required. A current and accurate CV is necessary. It is often necessary to educate the client, be it an attorney or a property owner to the intricacies of surveying.

**Bruce Blair** - Professional land surveyor in 3 states

## 22) The Surveyor in Jeopardy Part 1 of 2

This program will be presented in a jeopardy-like format with the presenter offering answers for which audience members — assembled into teams — must provide the relevant question. The program will include several hundred questions/answers covering the following topic areas: Boundaries, ALTA/NSPS Land Title Surveys, Safety and Health, Expert Witness, Risk Management, Easements and Rights of Way, and Wisconsin (and/or Illinois) statutes and rules. Answers and questions will be discussed as appropriate or necessary to be sure all participants understand the context and correct answers. This is a very "audience participation"-centric program; it is far more than a simple trivia contest.

**Gary Kent** - BSLS - presenter of programs in all 50 states

## 23) Vendor Session: Drone to Map with Carlson

This class discusses the use of drones to create or augment map creation as a standard process. During this training session you will learn about recommended best practices in the field and the use of applications for photogrammetry and automated feature extraction from point clouds to streamline the creation of the CAD map.

**Luis Rojas** - Midwest Region Sales Director, Carlson Software

## 24) Vendor Session

Please refer to Whova for updated session descriptions.



Break | 10 – 10:20 a.m.

Sessions 25 – 30 | 10:20 – Noon

## 25) A Look at Professional Ethics for Land Surveyors

Professionals in general have a skill set and knowledge library unique to their profession that others may not have. As professionals we bear a certain duty or responsibility to those that will use our services to treat them fairly and with integrity. In this session we will discuss these responsibilities and the professional codes that serve as the foundation of our profession.

**Devon Vanden Heuvel** - AAS, BS, MS

## 26) Access to State Highways – Why Surveyors Need to Know this Methodology

“This presentation will take you through what Access management is, why it’s important, and what data goes into it. You will learn why some roads have lots of direct access and others don’t. You will also learn why some parcels along highways have “No Improvements” setbacks imposed on them, and others do not.

By attending this session, you will be able to:

1. Define What highway Access Management is and why it is important.
2. Recognize the criteria and information used to determine the best location for access points on several different types of corridors.
3. Recognize Access Management tools including; Permitting, purchasing Access (deeded access rights), Freeway/Expressway Access, and Development Blocks or Subdivisions Access Using Trans 233 codes.”

**Mike Roach** - P.E.

**Steve Sydow**

## 27) Forensic Surveying - Part 2 of 2

Forensic surveying is a service provided by a professional land surveyor with its major impact as expert testimony to the court’s. It also includes the traditional land surveying procedures, in depth research and a professional report of the findings. It may also require attendance at depositions and testifying at court. It requires knowledge in title research, priority of calls as well as photogrammetry both aerial and terrestrial. It may also include historical research, cooperation with other professionals and a clear and concise reporting of the findings. An extended bibliography beyond those normally used by professional land surveyors is often required. A current and accurate CV is necessary. It is often necessary to educate the client, be it an attorney or a property owner to the intricacies of surveying.

**Bruce Blair** - Professional land surveyor in 3 states

## 28) The Surveyor in Jeopardy Part 2 of 2

This program will be presented in a jeopardy-like format with the presenter offering answers for which audience members – assembled into teams – must provide the relevant question. The program will include several hundred questions/answers covering the following topic areas: Boundaries, ALTA/NSPS Land Title Surveys, Safety and Health, Expert Witness, Risk Management, Easements and Rights of Way, and Wisconsin (and/or Illinois) statutes and rules. Answers and questions will be discussed as appropriate or necessary to be sure all participants understand the context and correct answers. This is a very “audience participation”-centric program; it is far more than a simple trivia contest.

**Gary Kent** - BSL - presenter of programs in all 50 states

## 29) Vendor Session

Please refer to Whova for updated session descriptions.

## 30) Vendor Session

Please refer to Whova for updated session descriptions.

Past Presidents Lunch  
Noon – 2 p.m.

Sessions 31 – 36 | 2 – 4 p.m.

## 31) NAPS Certified Floodplain Surveyor Program

The surveyor is well-versed in measurement, property law, history, mathematics and numerable topics related to surveying. This program is designed to enable the surveyor to learn much that has been within the discipline of floodplain management, thus filling the gap between land surveying and floodplain management. Attending this program and passing the exam allows participants to show that they have the particular expertise required to be recognized as Certified Floodplain Surveyor and an authority in the field. A history of the National Flood Insurance Program and the legislation passed to enact it will be covered, flood insurance and its impact on the community, various Federal, State and local laws and ordinances. the nuances of RR 2.0, correctly completing the Elevation Certificate and the paperwork required to apply for Letters of Map Change among other topics are all at the heart of the overall instruction. To participate and to become a CFS will enhance your licensure, perhaps lower financial liability and boost your bottom line. Most importantly, you will have taken an active step in protecting the safety, health and welfare of the general public.

**Bart Crattie** - LS in two states, CFS and CFM



**Friday, January 26, 2024**

**Breakout Sessions 37 – 48**

**Check-In and Breakfast**

**7:30 a.m. | Africa West**

**Certified Survey Technician Testing**

**8:30 a.m. | Ironwood**

**Sessions 37 – 42 | 8:20 – 10 a.m.**

### **32) Drone Survey Accuracy, and How to Prove it**

Drones are used more and more in land surveying, but many questions about accuracy remain. Especially in a world where inexperienced users often create bad data with drones, the actual users of drone data are rightly concerned with their accuracy. In this presentation, we will cover exactly how accurate drone surveys can be, how to get there, and most importantly, how to measure and prove it to data users down the line.

**Logan Campbell**

### **33) Do I own, what I possess?**

How often, when we perform a proper professional land survey, we find that the field does not agree with the title (deed)?do we just take the math, find a few points that seem to agree with the deed and set the boundary based on a “best fit”? What do we do when we find discrepancy with adjoining owners? What do we do if the deed calls (if any) are no longer available? This presentation will attempt to reconcile the title and survey taking into account such things as (a) adverse possession, (b) acquiescence, (c) area gores and overlaps, (d) senior and junior rights, (e) belligerent landowners and the resulting legal complaints. A few cases will be discussed and input from the audience is encouraged.

**Bruce Blair** - Professional land surveyor in 3 states

### **34) WSLS Membership Meeting**

**Bob Welch** - PLS, The Welch Group, Inc., Madison, WI.

### **35) Vendor Session**

Please refer to Whova for updated session descriptions.

### **36) Vendor Session**

Please refer to Whova for updated session descriptions.

**Exhibit Hall Closes at 4:30 p.m.**

**Cash Bar and Foundation Auction**

**5 – 5:45 p.m. | Africa West**

**Banquet and Scholarship  
Award Ceremony**

**6 – 8 p.m. | Africa West**

### **37) Online Record Research**

*A presenter will be virtually presenting in this session.*

Presenting to the surveyors how they can find recorded documents online and what programs to use. I will begin with a brief overview of the websites they can utilize. Next will show them how to search the register of deeds sites to find recorded documents. Briefly touch on when they need to go to the courthouse.

**David Vogel**

**Michelle Lasko** - Commercial Title Examiner Supervisor

### **38) Historic Preservation and Public Works**

Federal and state laws require that historic preservation be taken into account for any project using public money or requiring permits from state agencies. This talk will look at historic preservation laws and how they could impact your project. We will also look at a few real life examples for how projects dealt with and worked through conflicts with historic properties.

**Felipe Avila** - Ohio State 1994, UW-Madison 2003, WILA, SAGIC, RPA-WI

### **39) Ethics - A Practical Look at the Real World of Ethics**

Ethics are something everyone talks about and regulators reference regularly but there is often a large discrepancy between the “Black Letter Rules” and the practical application of those rules out in the field. This program will review the actual rules and discuss the application of those rules to every day situations that face the licensed land surveyor. The presentation will explore the various contradictions and quandaries that a land surveyor must face when trying to meet the needs of the client while stay within the boundaries established by the Code of Ethics they are sworn to uphold. The presentation will also look at the differences between ethics and governmental standards established by the Wisconsin Department of Safety and Professional Services. The audience will be encouraged to share their own dilemmas, challenging the presenter to outline proper resolutions of the presented fact scenarios. So bring your questions and be prepared for a very interactive program.

**Steve Sorenson** - Juris Doctorate and Real Estate Law educational specialist.

## 40) Women's Surveyors Summit Recap & Surveying at the International Level

You will hear from Netty Harley and Emily Pierce on the Women's Surveyors Summit Recap. The Women Surveyors Summit, hosted by Future Surveyors Foundation, is held annually since 2019 to support women in surveying and promote growth in the land surveying profession. Thirteen lady surveyors from Wisconsin attended this year's summit in Stillwater, Minnesota on October 19-22. Topics included the unique surveying history of Stillwater, ALTAs from an underwriter perspective, the Torrens system, racial covenants, hydrographic surveying on Lake Superior, discussion panels on Women owned businesses and promoting land surveying as a career. During this session, they will give the audience a recap on the summit and hear from the Women that attended and how it impacted their career growth. Following that, you will hear from Megan Theune-Baillargeon and Alysen Tierney to learn about The International Federation of Surveyors and what their annual, traveling Working Week is like! Come join them to hear about their experience at the 2023 Working Week, opportunities for world travel, and international networking!

**Netty Harley** - PLS

**Emily Pierce** - PLS

**Megan Theune-Baillargeon** - Young Surveyors Network Member

**Alysen Tierney** - PLS

## 41) AE-6 Wisconsin PLS Licensure

This session will cover Wisconsin Administrative Code Chapter A-E 6. Specifically diving into licensure, educational, and experience requirements for a person seeking to become a Professional Land Surveyor in Wisconsin.

**Howard Herrild** - PLS2694

**Mark Kamin** - PLS 3221

## 42) Vendor Session: TBA

Please refer to Whova for updated session descriptions.

**Sessions 43 – 48 | 10:20 a.m. – Noon**

## 43) Tribal Lands – Sovereign nations have land rights too

At the end of January 2023 the Lac du Flambeau Tribe erected barricades over 4 roads within the reservation territory blocking access to the homes of 70+ property owners. Why? Join Cheri in a history tour regarding the Tribe, Indian Lands, Easements over Indian Lands and the current state of Federal Litigation involving the Lac du Flambeau Tribe, the Town of Lac du Flambeau and these 70+ property owners. The end of the story has yet to be told.

**Cheri Hipenbecker** - JD

## 44) The History of the Wisconsin Society of Land Surveyors and Who We are Today

David Mau will be presenting on the history of our organization. Emily Pierce will give you insight to who we are today.

**David Mau** - Past President

**Emily Pierce** - PLS

## 45) The Role of the Survey in Municipal Annexation and Detachments

The growth of metropolitan areas and the resistance of rural areas to urban creep have created an interesting array of different concerns for the citizens of the State of Wisconsin. This presentation will examine the forces behind the growth in Town incorporation, annexation of desirable real estate, the use of string annexation for sewer and water services and similar issues facing the local government who stands to lose or gain property and this tax dollars. A special emphasis will be given to the role of the surveyor in this emerging area of real property development. The presentation will examine the different parties a surveyor may be representing and the different pressures that follow the unique representations. A discussion will be had on how does a surveyor avoid being caught in the middle of the battle that often occurs when one property owner wishes to annex or detach and neighbors do not. It will also look at the role of the surveyor when retained by a governmental unit to give assistance or counsel on issues such as title, boundaries and impact of contiguous conformity rules. Those attending will be asked to share their own stories as the presenter attempts to acquaint the assembled audience with the rules and regulations of the world of annexation and detachment.

**Steve Sorenson** - Juris Doctorate and Real Estate Law educational specialist.

## 46) Wisconsin County Surveyors Association (WCSA) Annual Membership Meeting

This session provides a unique learning opportunity on a wide variety of land surveying topics. While this session serves as the annual membership meeting for the Wisconsin County Surveyors Association, all WSLs members are invited to join in on the discussions and ask questions on the various topics. Representatives from the State Cartographers Office, National Geodetic Survey, and the Wisconsin Department of Transportation will be in attendance to deliver reports and answer questions. The "Friend of Wisconsin Land Surveying Award" will be presented along with recognition of WCSA members accomplishments.

**Ryan Duckart** - PLS

**Tom Leslie** - PLS

## 47) Licensing Exam Prep

An overview of licensing exams required to become a Professional Land Surveyor in Wisconsin from the perspective of a 2020 licensee. Reference materials, study techniques and the importance of licensure will be covered.

**Connor Christopherson** - PLS





## “Thank YOU!” to the Conference Planning Committee

- Diane Arendt
- Aaron Ballast
- Bob Beilfuss
- Heidi Disher
- Howard Herrild
- Don Lenz
- Bryan Meyer
- Larry Miller
- Mary Jo Oliver
- Emily Pierce
- Mike Romportl
- Emily Schroeder
- Jim Sehloff
- Kevin Slottke
- Terry Van Hout
- Cartoon Vue

### Conference Exhibitors

**Exhibit Hall Hours: Wednesday, January 24 from 12–6:30 p.m. and Thursday, January 25 from 7:30 a.m.–4:30 p.m.**

- 95°West Aerial Mapping
- Aerotas
- Apex Construction Tech
- Ayres and Associates
- Berntsen International, Inc.
- Carlson Software, Inc.
- Department of Admin-Plat Review
- Frontier Precision
- Leica Geosystems, Inc.
- MasterGraphics
- NSPS
- Rowe Professional Services
- Seiler Instrument Company (Premier Sponsor)
- Smart Drone
- Stan's Industrial Manufacturing LLC
- Topcon Solutions Store
- Turning Point Systems Group
- Wisconsin Land Information Association
- Wisconsin Real Property Listers Assoc.
- Wisconsin Register of Deeds Association
- Wisconsin Society of Land Surveyors
- Wisconsin State Cartographer's Office
- WSLs Foundation, Inc.
- WSLs Trig\*Star Committee
- Young Surveyors Network-WSLS



### Conference Evaluations

Evaluate each breakout session using the link found on Whova. A link will be available at the end of the event for you to evaluate the entire institute. This information will be available on Whova and emailed out to attendees.

### Professional Development Hours

The 75<sup>th</sup> Annual Wisconsin Society of Land Surveyors' Institute has been approved for 15.8 Professional Development Hours (PDHs). PDHs are endorsed by the Wisconsin Society of Land Surveyors (WSLS). PDHs are earned in the workshops that you attend during the Institute, not on the workshops indicated when you registered. It is the individual's responsibility to report PDHs earned to their appropriate credential or licensing board. A link will be sent out through Whova and will also be emailed to you on Friday. Please complete the link and an official, personalized, printable PDH certificate will be sent to you via email within 24 hours. Copies will be retained by UWSP and WSLS.

