



# Surveyors' Institute

**January 25–27, 2023**

Kalahari Convention Center,  
Wisconsin Dells, Wis.

th



**NSPS**



Continuing Education and Outreach  
University of Wisconsin-Stevens Point





# Conference Information

## 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 your official, personalized, printable PDH form via email after the Institute. Copies will be retained by UWSP and WSLS.

## Additional PDHs for Surrounding States

Many of our sessions could fulfill the PDH or CEU requirements in many other states. Our ethics sessions may pertain to all surveyors and could qualify for many states' requirements. We also have a wide variety of topics that may qualify for your state.

**We welcome you to our Annual Institute!**  
**You will not be disappointed!**

## 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).

## Are You a CST? Here's Your Opportunity!

The WSLS/CST committee is offering a special testing opportunity on Friday, January 27, 2023, starting at 8:30 a.m. Tests will be given for CST Levels 1, 2, and 3. You must apply for testing. Application and detailed information on the program can be obtained by going to [cstnsps.com](http://cstnsps.com). Application and fees must be submitted on [wsls.org](http://wsls.org) by January 6, 2023.

## Bucky's Challenge: WSLS Foundation FUNdraiser

Get set for the 16th annual big event, Wednesday evening, January 25, 2023. 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.

To learn more about "Bucky's Challenge," contact contest chairman Kevin Slottke at (414) 643-4161, [kslottke@thesigmagroup.com](mailto:kslottke@thesigmagroup.com), or visit [WSLS.org](http://WSLS.org).

## Foundation Social Hour and Raffle

This entertaining event on Thursday evening offers attendees a chance to bid on great items including cash prizes of \$1000, \$2,500, \$5,000, survey instruments, vintage surveying magazine covers, pre-season Packer tickets 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 2022 President will pass the gavel to the new 2023 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 26, 2023. On-site banquet tickets are limited, so be sure to purchase your ticket for spouses and/or guests in advance!

## WSLS YSN Annual Bowling Social

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

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

## January 25–27, 2023



### 2023 Institute Fees:

	WSLS Member	Non-Member	WSLS Member Student	Non-Member Student
Full Institute (Early bird registration by Jan. 7 at midnight)	\$340	\$580	\$50	\$70
Full Institute	\$400	\$640	\$50	\$70
Day 1 (Wednesday, January 25, 2023)	\$180	\$300		
Day 2 (Thursday, January 26, 2023)	\$180	\$300		
Day 3 (Friday, January 27, 2023)	\$140	\$210		
Extra Banquet Ticket	\$50	\$50		

### Exhibitors Welcome at the 74th Annual Surveyor's Institute!

Institute participants are Professional Land Surveyors, survey technicians, and other interested persons from Wisconsin and the Midwest area. In 2022, we hosted over 1,000 registered participants and expect to have even more this year! For more information, please visit the conference website or contact Bob Beilfuss at (262) 250-8003 or flashthunder506easy@gmail.com. As we did in 2021 and 2022, we will be doing booth reservations online only. Booth reservation applications can be found on [WSLS.org/Store](https://WSLS.org/Store).

### Exhibit Hall Hours

Wednesday from 1 - 6:30 p.m. and Thursday from 7 a.m. - 4 p.m.

**ABSOLUTELY NO ADMISSION PRIOR TO 1 P.M. ON WEDNESDAY, JANUARY 25.**

### Exhibitors' Reception

Enjoy hors d'oeuvres while visiting with Institute exhibitors on Wednesday evening! A cash bar will be available.

### Lodging

A block of rooms is available at the Kalahari Resort & Convention Center. Reservations should be made online to avoid excessive wait times and resort fees. Rooms are only available at the reduced rate until December 24, 2022, or the resort is sold out. Please visit the conference website for more information.

A room block will be available at the Clarion Hotel & Suites to accommodate those registrants employed by government agencies who are required to stay at state-rate hotels. These rooms will be held until January 10, 2023. Please visit the conference website for more information.

*UWSP Continuing Education, the Conference Planning Team, and WSLS do not have control over Kalahari Resort or Clarion Hotel policies or room rates once the room block expires or fills to capacity. A one-night deposit is required at the time of reservation.*





## Breakout Sessions 1–18 Wednesday, January 25, 2023

Sessions 1 – 6 | 10 am – Noon

### 1) Subdivision of Fractional Sections

2.4 PDHs | Category 1

The methods for the subdivision of section can either seem simple or quite muddled when dealing with fractional, elongated, and anomalous sections. We will present examples and scenarios defining weighted mean bearings, fixed vs. not fixed, parenthetical distances, and elongated/shorten sections along with the history and laws behind those methods.

**Ken Roy** - Professional Land Surveyor, BLM Indian Land Surveyor, (BILS), Eastern States Office Bureau of Land Management, Bloomington, Min.

**Travis Hand** - Professional Land Surveyor, Eastern States Bureau of Land Management, Hayward, Wis.

**Dave Ratford** - Chief Cadastral Surveyor and Deputy State Director for Geospatial Services, Eastern States Office Bureau of Land Management, Alexandria, Vir.

### 2) It's No Longer Needed; Can I Just Plat or Map Over It?

2.4 PDHs | Category 1

When plats/CSMs, lots, roads, easements, or other public dedications are no longer needed, what steps are required to get rid of them so new development can occur.

**Renee Powers** - Professional Land Surveyor, Supervisor, Plat Review, Department of Administration, State of Wisconsin, Madison, Wis.

### 3) Deeds Interpretation/Control

2.4 PDHs | Categories 1 or 3

In a retracement, the surveyor is frequently confronted with problems of resolving conflicts of evidence discovered when required to place a deed description on the ground. This session will address key issues with regard to Deed Interpretation and Control. Included will be the order of importance of conflicting title elements as well as important principles of Boundary Control.

**John Matonich** - Professional Land Surveyor, Retired President and CEO of Rowe Professional Services Company, Flint, Mich.

### 4) Land Surveying as a Business and Mentoring

2.4 PDHs | Category 3

Becoming your own boss can be very rewarding but it doesn't come without stress. When it comes to starting or operating a Land Surveying business you first need to understand the cost of doing business. This session is for the Surveying entrepreneur that is considering opening a business, new to business ownership, or the individual performing project management. We will discuss what the typical startup costs are, the importance of identifying your market niche, and the importance of developing a business plan. In addition, we will venture into the responsibilities of Professional Land Surveyors as mentors to the upcoming young surveyors.

**Devon Vanden Heuvel** - PLS, BS, MS, Civil Engineering Technology Instructor, Madison College, Madison, Wis.

### 5) UAS Lidar for the Survey Professional

2.4 PDHs | Category 3

This presentation will highlight a variety of applications for UAS Lidar for surveying and mapping as well as remote sensing professionals. Participants will learn to distinguish between photogrammetry and lidar, and the inherent limitations of a photogrammetry only approach to projects. Background on UAS lidar technology, best practices in data acquisition and limitations of the technology will be covered. In addition, the presenter will step through several UAS projects which utilized lidar highlighting the deliverables and expected accuracies for each of these projects.

**Matt Vinopal** - CP, CMS-Lidar, GISP Lidar Supervisor, Senior Professional-Geospatial Services, Ayres Associates, Madison, Wis.

### 6) WSLs Young Surveyors' Network Meeting

2.4 PDHs | Categories 1 or 3

Calling all young surveyors to join us for updates on the Young Surveyors Network! This meeting is for those who are new to the institute, students of surveying, survey technicians or new to obtaining their license. Supporting Members are also encouraged to attend.

**Jeanette Harley** - PLS, TruMark Land Surveying, LLC, President, Wisconsin Young Surveyors' Network, Neillsville, Wis.

**Connor Christopherson** - PLS, Project Surveyor, Coleman Engineering Company, Green Bay, Wis.



## Sessions 7 – 12 | 1:30 – 3:10 p.m.

### 7) Past, Present and Future of E-recording

#### 2.0v PDHs | Categories 1 or 3

During this session, Register of Deeds will examine how e-recording got started, legislation that accelerated e-recording, and what current trends are. Finally, what does the future of e-recording look like and steps to make it a reality.

**Cheryl Berken** - Brown County Register of Deeds, Green Bay, WI

**Sharon Martin** - CPM, Washington County Register of Deeds, West Bend, WI

### 8) Boundary Issues and Surveyors in Court

#### 2.0 PDHs | Categories 1 or 3

This session will focus on a 5 year boundary dispute and expert witness testimony. At issue were existing property pins that did not match previous survey maps. Riparian rights that affected dock placements. And two neighbors that carry a great dislike for each other.

**Dave Chrouser** - Professional Land Surveyor, Retired, Green Bay, Wis.

### 9) Expert Witness & Litigation

#### 2.0 PDHs | Categories 1 or 3

The practice of a profession often requires a practitioner be prepared to effectively communicate an opinion in court. The practitioner must be prepared to present their opinion and analysis in a clear, understandable, and concise manner. This session will focus on the duties, use, credibility, assistance, and presentation techniques employed by expert witnesses.

*Please note that Dr. Hermansen will be presenting virtually. Session attendees will have the opportunity to ask questions.*

**Knud Hermanson** - Ph.D., J.D., P.L.S., PE, Esq., Hobe Sound, Fla.

### 10) Ethics and the Surveyor's Role

#### 2.0 PDHs | Category 2

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

**John Matonich** - Professional Land Surveyor, Retired President and CEO of Rowe Professional Services Company, Flint, Mich.

### 11) Vendor Session TBA

### 12) Vendor Session TBA

## Sessions 13 – 18 | 3:30 – 4:30 p.m.

### 13) The Difference Between a Survey and a Map

#### 1.2 PDHs | Category 3

What is the difference between a survey and a map? Which one is based on current measurements? Which one is more accurate? Why is there a difference and what ramifications does it have to the end user? We will explore the differences between surveys and tax parcel maps and dispel some common misconceptions of the accuracies of online maps.

**Preston Dowell** - PLS, Deputy County Surveyor, St. Louis County, Minn.

### 14) LiDAR vs. Photogrammetry and WISCORS Network Updates

#### 1.2 PDHs | Category 3

LiDAR vs. Photogrammetry information and WISCORS Network updates will be presented.

**Cormac McInnis** - P.L.S., Survey Coordinator, Northeast Region, Wisconsin Department of Transportation, Green Bay, Wis.

**Jacob Rockweiler** - P.E., WISCORS Network Manager, Wisconsin Department of Transportation, Madison, Wis.

**Elliot Smith** - WISCORS Network Administrator, Wisconsin Department of Transportation, Madison, Wis.

### 15) Buried Treasure

#### 1.2 PDHs | Category 3

Ground Penetrating Radar holds promise as a practical land surveying tool. A study of GPR and its application to land surveying including case studies along with an introduction to the Curb Box Charger.

**Joseph Fenicle** - BS, PLS, Owner of Angular By Nature, LLC., Assistant Professor of Practice, University of Akron, Hudson, Ohio

### 16) Recent Law Changes that Affect Surveyors and WSL's Role in Policy Making

#### 1.2 PDHs | Category 1

Welch will discuss recent changes to WI statutes and regulations that affect surveyors and their client. 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 TBA

### 18) Vendor Session TBA



## Breakout Sessions 19–36 Thursday, January 26, 2023

## Sessions 19 – 24 | 8:20 – 10 a.m.

### 19) Ethics and Professional Courtesy

#### 2.0 PDHs | Category 2

Ethics and Professional Courtesy will discuss common and accepted ethical principles for surveyors. The seminar will focus on the application of ethics in practice, resolving ethical conflicts, and the interaction of ethics and professional courtesy. The objectives of the seminar will be to gain a basic understanding of practical application of ethics; recognize ethical dilemmas and their resolution; learn value based ethical analysis; and compare generally accepted ethical principles with mandated ethics.

*Please note that Dr. Hermansen will be presenting virtually. Session attendees will have the opportunity to ask questions.*

**Knud Hermanson** - Ph.D., J.D., P.L.S., PE, Esq., Hobe Sound, Fla.





## 20) Existent, Obliterated and Lost PLSS Corners

### 2.0 PDHs | Categories 1 or 3

The understanding of the definition of the three classifications of Public Land Surveys corners is a critical aspect in the performance in any boundary survey. It provides a means of communication in the evaluation of PLSS corners utilized during any survey. We will discuss the three types of PLSS corners in depth and situations and things to consider when evaluating corner positions. We will also discuss methods for the restoration of lost corners which can also an excellent tool for the refinement of search positions during the iterative process of a corner evaluation.

**Ken Roy** - Professional Land Surveyor, BLM Indian Land Surveyor, (BILS), Eastern States Office Bureau of Land Management, Bloomington, Min.

**Travis Hand** - Professional Land Surveyor, Eastern States Bureau of Land Management, Hayward, Wis.

**F. David Ratford** - Chief Cadastral Surveyor and Deputy State Director for Geospatial Services, Eastern States Office Bureau of Land Management, Alexandria, Vir.

## 21) Wisconsin Roads

### 2.0 PDHs | Categories 1 or 3

This session will provide attendees with information about laying out of roads throughout Wisconsin's history, where to locate those records and how to retracement them.

**Ed Harvey** - RLS/PE, Ed Harvey's Land Office, LLC, Waldo, WI

## 22) Aerial Mapping Targeting & Validation

### 2.0 PDHs | Category 3

Learn the "why" behind manned imagery and lidar aerial targeting survey requirements including WisDOT projects and USGS 3DEP lidar program missions. We will also discuss what makes "map check" points and "validation" points suitable for their intended purpose and targeting survey metadata.

**Richard Kleinmann** - PLS, Geospatial Transportation Leader, Ayres and Associates

**Shawn Meyer** - PLS, Bureau Survey Coordinator, Wisconsin Department of Transportation, Central Office, Surveying and Mapping Section

## 23) Vendor Session TBA

## 24) Vendor Session TBA

## Sessions 25 – 30 | 10:20 a.m. – Noon

## 25) Samuel Stinson Gannett and the WI/MN State Line

### 2.0 PDHs | Category 3

The surveyor of the Wisconsin/Minnesota State line and so many other State Lines will be examined.

**Joseph Fenicle** - BS, PLS, Owner of Angular By Nature, LLC., Assistant Professor of Practice, University of Akron, Hudson, Ohio

## 26) Datums: The Foundation of Geospatial Data

### 2.0 PDHs | Category 3

When it comes to geospatial data, it is important to use a common reference so data collected at different times by different people can be compared. Think about it as the zero line on a graph. Changing that zero line changes the values. A set of coordinates does not tell much without including what those coordinates are referenced to. A datum or reference frame enables data to be compared. I'll cover the basics of datums and reference frames, including how they are determined and how they connect at the national and global levels.

**Jacob Heck** - PhD, Great Lakes Regional Geodetic Advisor, National Geodetic Survey, NOAA

## 27) FEMA Related Surveys

### 2.0 PDHs | Categories 1 or 3

Session will discuss surveys related to Elevation Certificates, Elevation Forms, Conditional Letters of Map Amendment, and Flood Studies. FIRM Maps and Documents required for submitting these forms will also be discussed. Surveys required for Risk Mapping to create FIRM Maps will be discussed.

**Ronald Jacobson** - BS, PLS, Survey Manager, Coleman Engineering Company, Ironwood, MI.

## 28) Survey Research: Then and Now

### 2.0 PDHs | Category 3

A discussion on how research was done historically and how technology has changed methods and sources. What to look for and where to look!

**Kevin Slottke** - Professional Land Surveyor, The Sigma Group, Milwaukee, Wis.

**Terry Van Hout** - Professional Land Surveyor, Survey Manager, Westwood Professional Services, Appleton, Wis.

## 29) Vendor Session TBA

## 30) Vendor Session TBA

## Sessions 31 – 36 | 2 – 4 p.m.

## 31) The Ins and Outs of Access Easements

### 2.4 PDHs | Categories 1 or 3

In this session we will cover the many ways access easements are created (written grant, CSM, prescription, etc.), interpretation of access easements and recent changes to the law including private road maintenance and the potential expiration of access easements by operation of law. We will also discuss potential easement terms and best practices. Questions encouraged!

**Jessica Shrestha** - JD, Fredrikson & Byron, P.A., Madison, Wis.

## 32) The Center(s) of Section

### 2.4 PDHs | Categories 1 or 3

A discussion on the highly controversial Center of Section with Case Law, Case Studies and Interviews.

**Joseph Fenicle** - BS, PLS, Owner of Angular By Nature, LLC., Assistant Professor of Practice, University of Akron, Hudson, Ohio

## 33) There Has to be a Better Way!

### 2.4 PDHs | Category 3

An overview of the Swiss Cadastre and how it could be used as a model to improve our land information systems in WI. We will examine ways that we should be implementing our current technology to bolster replatting and our land information systems. The presenters will provide current examples of the differences between our land information systems and the Swiss system.

**Matt O'Rourke** - Vice President-LandTech Surveying, Oconomowoc, Wis.

**Rich Leaver** - Owner-Leaver Land Surveying, Beaver Dam, Wis.

## 34) Wisconsin Society of Land Surveyors Annual Meeting

### 2.4 PDHs | Category 3

This session focuses on the WSLs accomplishments of the past year and looks forward to 2022.

**Bob Welch**

## 35) Vendor Session TBA

## 36) Vendor Session TBA



### Sessions 37 – 42 | 8:20 – 10 a.m.

## 37) Condominiums 101: So You've Been Asked To Do a Condo Plat

### 2.0 PDHs | Category 1

This session will be geared towards surveyors with limited experience dealing with condo plats. We will cover basic terms, concepts and discuss situations where a condominium may be a good fit for a project. We will also review frequently made errors and how to sync up your plat with the declaration. This session will be geared towards surveyors with limited experience dealing with condo plats. We will cover basic terms, concepts and discuss situations where a condominium may be a good fit for a project. We will also review frequently made errors and how to sync up your plat with the declaration.

**Jim Wallen** - Professional Land Surveyors, Retired, Green Bay, Wis.

## 38) "Following the Footsteps" Of a Different Kind

### 2.0 PDHs | Category 3

Land Surveyors recover field evidence by "following the footsteps" left by their predecessors based on available field notes and field evidence. Paleontologists are now beginning to follow the footsteps of the land surveying community and its technology solutions in their quest to find their own "monuments" and develop a deeper and clearer picture of our earth sciences.

**Tom Hebert** - Paleontologist, Founder, & Director, Earth Sciences Foundation, Inc.

**Ladd Nelson** - Director, Midwest Sales, Carlson Software, Bellevue, Iowa

## 39) What Should I Do? I Can't Believe I Did Anything Wrong!

### 2.0 PDHs | Category 2

This program will take a realistic approach at the Ethics related to surveying. The program will take real life examples of actions or statements many believe are fine and dissect them to determine why those actions are likely a violation of the rules of ethics. We will also look at what should someone do who believes that a violation has occurred. Where does one turn when the regulators come calling or the client files a complaint. This real life examination of ethics should provide a valuable lesson for all attending.

**Steve Sorenson** - JD, vonBriesen & Roper S.C., Neenah, WI

## 40) The Quandary of Section 15: Just Over a Square Mile of Clues

### 2.0 PDHs | Categories 1 or 3

Drawing the lines of Section 15, Town 26 North, Range 7 West was easy in 1849. It was a square measuring 80 chains (one chain = 66 feet) on each side and the Center was drawn as a simple intersection of the East-West and North-South Quarter lines. There were eight corners set with this original survey; one at each corner of the square and one halfway in between each of those. Wood posts were set at all the corners and development occurred.

A Center 1/4 corner was established not long after the original eight.

A retracement survey in the 1980's treated one corner as "Lost" and reestablished it using mathematics. Current survey staff found the correct location for the corner ~120 feet away from the 1980's position. This represents one of the largest corrections needed on a monumented position in Eau Claire County. It also makes for a fascinating case study of how the surveyor, landowner (past and present) and GIS professional can retrace the history of land boundaries, improvements and law to determine the correct place to set the monuments and draw the line.

**Dean Roth** - PLS, County Surveyor, Eau Claire County, Eau Claire, Wis.





#### 41) Fundamentals of Surveying and the Principles and Practices of Land Surveying Exam Review - Part I

2.0 PDHs | Category 3

This session will focus on the Fundamentals of Land Surveying and the Principles and Practices of Land Surveying Exam. This land surveying refresher will focus on the things you need to know about the exams, including exam format, study material, and how to apply.

**Mark Kamin** - Professional Land Surveyor (Wisconsin & Indiana), Civil Engineering Technology-Surveying Instructor, Northeast Wisconsin Technical College, Green Bay, Wis.

#### 42) Vendor Session TBA

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

#### 43) Dealing With Coordinate “Drift” on a Multi-Year Corridor Project

2.0 PDHs | Categories 1 or 3

We will be discussing the “Passive Control for a Multi-year Corridor Project” Use Case from the NGS “Blueprint for the Modernized NSRS - Part 3.” This is a hypothetical project scenario examining the desire to keep the project referenced to the control values expressed in the initial project reference epoch and how the “drift” of the passive control will be dealt with over 10 years. How much drift can be tolerated? We hope this presentation encourages surveyors to start considering, in greater detail, how they will accommodate “drift” over time on long duration projects and further discuss the ramifications of this issue with other disciplines and organizations involved in these types of projects. We will also provide a short update on WSR2022 Task Force Activity.

**Richard Kleinmann** - PLS, Geospatial Transportation Leader, Ayres and Associates

**Howard Veregin** - PhD, Wisconsin State Cartographer

**Jacob Heck** - PhD, Great Lakes Regional Geodetic Advisor, National Geodetic Survey, NOAA

#### 44) Surveying the Past: Land Surveys, Archaeology, and Burial Sites

2.0 PDHs | Category 3

The presenter will provide an overview of the important role that Wisconsin’s land surveyors have played in the documentation and preservation of the ancient past, and how current land surveyor can continue this remarkable legacy. An overview of the archaeology of Wisconsin will be presented, along with information regarding the types of archaeological sites that surveyors may encounter and the laws that guide preservation.

**Amy Rosebrough** - PhD, staff archaeologist, State Historic Preservation Office, Wisconsin Historical Society

#### 45) Now What Are the Courts and Legislatures Up To?

2.0 PDHs | Category 1

This session will examine the latest Court decisions in Wisconsin and in Federal Courts that effect the duties and responsibilities of a surveyor. We will look at the practical applications of some of the new shoreland and water rights cases. A close look at several new boundary cases will be examined along with a discussion of the role that surveyors played in this cases. Finally, we will look into our crystal ball and predict where the government going with land information regulation.

**Steve Sorenson** - JD, vonBriesen & Roper S.C., Neenah, WI

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

2.0 PDHs | Category 3

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**

#### 47) Fundamentals of Surveying and the Principles and Practices of Land Surveying Exam Review - Part II

2.0 PDHs | Category 3

This session will continue the conversation from Part I focusing on the Fundamentals of Land Surveying and the Principles and Practices of Land Surveying Exam. This land surveying refresher will focus on the things you need to know about the exams, including exam format, study material, and how to apply.

**Mark Kamin** - Professional Land Surveyor (Wisconsin & Indiana), Civil Engineering Technology-Surveying Instructor, Northeast Wisconsin Technical College, Green Bay, Wis.

#### 48) Vendor Session TBA





# 74<sup>th</sup> Annual Wisconsin Society of Land Surveyors' Institute

January 25-27, 2023



## Paper Registration Form

Please fill out one registration form PER REGISTRANT.

**BECOME A MEMBER! Take advantage of the lower  
Institute registration fee by joining WSLS.**

**Visit [WSLS.org](http://WSLS.org) for more information.**

Name: \_\_\_\_\_

Email: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone: \_\_\_\_\_

What counties do you serve? \_\_\_\_\_

Are you a PLS? ☐ No ☐ Yes If yes, State(s): \_\_\_\_\_

Are you a CST? ☐ No ☐ Yes If yes, Level: \_\_\_\_\_

Is this your first-time attending Institute? ☐ No ☐ Yes

Dietary Restrictions/Needs? ☐ No ☐ Yes

\*If yes, please describe \_\_\_\_\_

*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., low salt, low carb, keto, dairy-free, etc.), you may wish to make alternative meal arrangements.*

Do you need special accommodations? ☐ No ☐ Yes

\*If yes, please describe \_\_\_\_\_

*\*Please give a minimum of 2 weeks' notice so we can meet your needs.*

Full Institute	Member Early Bird/ Regular	Non-Member Early Bird/ Regular	
Paper form must be postmarked no later than January 6, 2023 to receive Early Bird Registration Rate.			
Full Institute	\$340/ \$400	\$580 / \$640	
Student	\$50	\$70	
Student fee requires copy of student ID for proof of current enrollment in a full-time surveying/engineering or related curriculum. Student registration includes all meals.			
Single Day (Please circle)	Member	Non-Member	
*Wednesday, Jan. 25, 2022 <i>Includes Breakfast, Lunch</i>	\$180	\$300	
*Thursday, Jan. 26, 2022 <i>Includes Breakfast, Lunch</i>	\$180	\$300	
*Friday, Jan. 27, 2022 <i>Includes Breakfast</i>	\$140	\$210	
*Banquet tickets are not included in the single day fees and can be purchased separately.			
Additional Banquet Ticket(s):	# Tickets: _____	\$50 ea.	
Please indicate which session, by number, you will attend in each time slot.			
<b>Wed. Jan. 25</b>	10am-Noon _____	1:30-3:10pm _____	3:30-4:30pm _____
<b>Thur. Jan. 26</b>	8:20-10am _____	10:20-Noon _____	2:00-4:00pm _____
<b>Fri. Jan. 27</b>	8:20-10am _____	10:20-Noon _____	
<b>Total Due:</b> _____			

**Please send completed paper registration form and  
check payable to UW-Stevens Point to:**

UW Stevens Point - Continuing Education  
Attn: Conferences 402217  
2100 Main St, 032 Main Bldg.  
Stevens Point, WI 54481-3897  
Phone: 715-346-3838

**Cancellation Policy:** The full Institute fee includes program materials, program souvenir, certificate of participation, refreshments, two luncheons, and the banquet. The registration fee is completely refundable through Friday, January 13, 2023. Cancellations made between January 14 and January 20, 2023 will be charged a \$50 administrative fee per participant. No refunds granted on or after Saturday, January 21, 2023. Substitutions may be made at any time, but no-shows will be responsible for the full registration fee. On-site registrants will not be guaranteed meals, conference materials and/or complimentary items. Please contact UWSP Continuing Education if you have not received confirmation of your registration at [uwspce-conf@uwsp.edu](mailto:uwspce-conf@uwsp.edu).

## Schedule

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

## Special Dietary Requests

UWSP Continuing Education and WSLs work 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., low salt, low carb, keto, dairy-free, etc.), you may wish to make alternative meal arrangements.

## 2023 Cancellation Policy

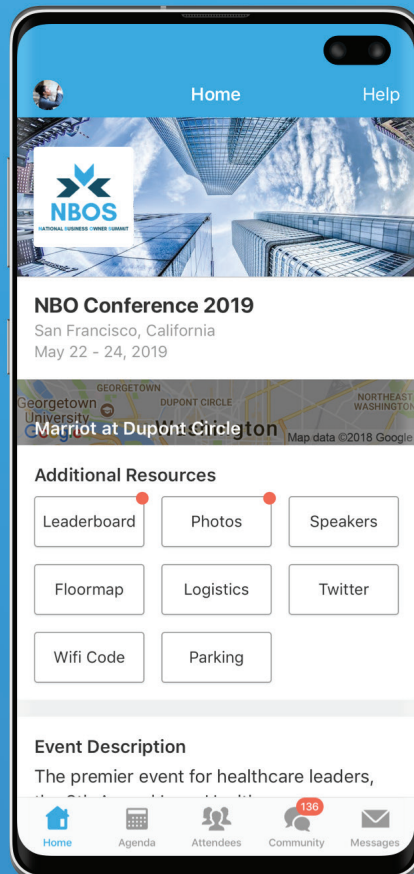
The full institute fee includes program materials, program souvenir, certificate of participation, refreshments, two luncheons, and the banquet. The registration fee is completely refundable through Friday, January 13, 2023. Cancellations made between January 14 and January 20, 2023 will be charged a \$50 administrative fee per participant. No refunds granted on or after January 21, 2023. Substitutions may be made at any time, but no-shows will be responsible for the full registration fee. On-site registrants will not be guaranteed meals, conference materials, and/or complimentary items. Please contact UWSP Continuing Education if you have not received confirmation of your registration at uwspce-conf@uwsp.edu.

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- Session Handouts
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- Session Locations
- Presenter Bios
- Networking Opportunities
- Exhibitor Information
- Breakout Descriptions