



# 2022 MSPS Convention & Seminar

February 15-18, 2022



Grand Traverse  
Resort and Spa,  
Acme, MI

**REGISTRATION  
BROCHURE**



MICHIGAN SOCIETY OF PROFESSIONAL SURVEYORS  
Convention & Seminar • February 15-18, 2022 • Grand Traverse Resort and Spa, Acme, MI

# Invitation from the MSPS President

Greetings,

I am pleased to invite you to the 2022 MSPS Convention and Winter Seminar being held at the Grand Traverse Resort in Acme.

The Convention Committee has put together excellent educational opportunities including sessions focusing on riparian rights, floodplains, as well as case studies, ethics, NGS, MISS DIG 811, and more. New to the seminar circuit, David Acosta, PS President and John Gallegos, CEO of Construction Survey Technologies, Inc. (CSTi Corp), offering Geospatial Services in New Mexico, will be braving the snow and cold of northern Michigan to join us. The Winter Seminar speaker is Corey Hughes, PS discussing riparian issues. Clifford Bloom, an attorney specializing in water and riparian rights will be joining him in the afternoon. I am confident that that you will find interesting and relevant sessions to meet your CEU requirements.

Exciting news: The 'Technician' track has returned to the Convention! Sessions have been developed specific to the technician that the licensed professional may also find beneficial. And, on Tuesday, the Certified Survey Technician (CST) exam will be administered. Help your field and office technicians grow professionally by encouraging and allowing them to attend.

Of utmost importance is that we will be able to attend the sessions in person and interact with the speakers, and most importantly, interact with friends and colleagues, to continue peer networking and collaboration, have fun, and enjoy camaraderie after a hiatus of two (long) years. I hope to see you all there!

*Barbara H. Snyder, PS  
MSPS President*



## Convention Schedule At-A-Glance

**Register online for the 2022 Convention at [www.misps.org](http://www.misps.org)**

*As a reminder, this convention is structured like the 2020 convention. Please note in the program agenda the day and times of those events outside of the scheduled sessions.*

### Tuesday – February 15, 2022

#### SEMINAR

8:00am – 5:00pm      Riparian Surveys and Riparian Law  
7:00pm - 9:00pm      Foresight Party

### Wednesday – February 16, 2022

8:30am – 10:20am      Proprietor Plats – Start to Finish  
8:30am – 10:20am      FEMA & Flood Zone Issues / Answers for the Field Surveyor  
8:30am – 10:20am      Subsurface Utility Mapping & Technologies  
10:30am – 11:20am      Promotion and Outreach of Surveying  
10:30am – 11:20am      Building the Next Generation of Surveyors  
10:30am – 11:20am      Aerial mapping: Planes, Drones, Sensors, Photogrammetrists and Surveyors and How They Can Work Together for a Successful Project  
11:30am - 1:30pm      County Surveyor & General Lunch  
1:30pm – 4:20pm      Riparian Rights and the Surveyor - Section 1  
1:30pm – 2:20pm      Ignorance of the Deep, How the Great Lakes Remain Vastly Unexplored  
1:30pm – 2:20pm      High Accuracy Aerial Mapping  
2:30pm – 3:20pm      New Coordinate Types and Use Cases: How to Work in the Modernized NSRS  
2:30pm – 3:20pm      Dirt - It's What Matters  
3:30pm – 4:20pm      Soo Locks Canal  
3:30pm – 4:20pm      Michigan Tech Presentations  
5:30pm - 7:00pm      Exhibitor Reception

*continued*





## Convention Schedule At-A-Glance

### Thursday – February 17, 2022

8:30am – 11:20am	Riparian Rights and the Surveyor - Section 2
8:30am – 10:20am	Floodplain Elevation Requirements of the State Construction Codes and National Flood Insurance Program (NFIP)
8:30am – 10:20am	What Every Field Tech Needs to Know About LCRCs
10:30am – 11:20am	The Dynamic Shorelines of the Great Lakes
10:30am – 11:20am	Coordinate Systems
11:30am - 1:30pm	SURPAC & General Lunch
1:30pm – 4:20pm	New Maps & New Flood Zones / Building Compliant Buildings
1:30pm – 2:20pm	Social Media for Surveyors
1:30pm – 3:20pm	Point Cloud Data Extraction, What Do I Do with All This Data?
2:30pm – 3:20pm	Survey Work Flow for Capture & Construction Staking
3:30pm – 4:20pm	Diversity in Land Surveying
3:30pm – 4:20pm	Ferris State Presentations
4:30pm - 5:00pm	Annual Meeting
5:00pm - 6:30pm	Member Reception

### Friday – February 18, 2022

8:30am – 11:20am	Safe Excavation Practices = MISS DIG 811 Certification
8:30am – 10:20am	Business Ethics: Theory and Practice
8:30am – 9:20am	Vertical datums: NAVD 88, IGLD (1985) and Their Upcoming Changes
9:30am – 11:20am	Pucker Street Dam Removal Project
10:30am – 11:20am	Midland County's GIS Response to Flood/Dam Failure

Audiovisual recordings and photographs will be taken during this event, which may be used for promotional and other purposes in all forms of media, including the Internet. By attending this event, you are consenting to being recorded and photographed and to the use of your likeness and voice in any media in perpetuity by the Michigan Society of Professional Surveyors, and anyone acting under its authority or permission for promotional purposes or for whatever other purpose it sees fit.



**TUESDAY – FEBRUARY 15, 2022**

## SEMINAR

**8:00AM – 5:00PM** 8 CEUS

### **Riparian Surveys and Riparian Law**

*Cliff Bloom; Corey Hughes, PS*

This discussion will focus on the primary considerations of Riparian Rights and their application into Riparian Surveys. We will cover the need-to-know

items that will provide the surveyor a solid foundation for understanding their role and responsibilities when completing surveys along a body of water.

## SESSIONS

**WEDNESDAY – FEBRUARY 16, 2022**

**8:30AM – 10:20AM** 2 CEU's

### **Proprietor Plats – Start to Finish**

*Michael Barger, PS*

The purpose of this session is to review the procedure under the Land Division Act to get a plat approved. The first 50 minutes will be a discussion of the preliminary plat process and the necessity of the approval procedure. After a 10 minute break, we will discuss the final plat process and its approval procedure.

**8:30AM – 10:20AM** 2 CEU's

### **FEMA & Flood Zone Issues / Answers for the Field Surveyor**

*Karol Grove, PS, CFM*

This class will address the specific details concerning which data is important when dealing with a flood zone issue in the field. We will talk about the many variables, and more specifically the procedures, which are helpful in determining the true flood zone elevations at a specific location. We will also touch on what additional options you may have when dealing with flood zones and floodways.

**8:30AM – 10:20AM** 2 CEU's

### **Subsurface Utility Mapping & Technologies**

*David Acosta, PS; John Gallegos*

Review of the ASCE Subsurface Utility Engineering Guidelines and discussion about the value of Utility mapping. We will also cover emerging technologies for Subsurface mapping including Ground Penetrating Radar and CCTV.

**10:30AM – 11:20AM** 1 CEU

### **Promotion and Outreach of Surveying**

*David Acosta, PS; John Gallegos*

Interested in Promotion and Outreach of Surveying but don't know where to begin? We will be sharing our experiences and providing guidance on how to get you started.

**10:30AM – 11:20AM** 1 CEU

### **Building the Next Generation of Surveyors**

*Carl Shangraw, PS, CFedS*

This presentation will focus on the new surveying education initiative undertaken at Northwestern Michigan College in Traverse City, Michigan. Discussed will be the background history of the degree program, industry partnerships, course content and descriptions, paths to meeting Michigan PS licensure educational requirements, professional development opportunities offered outside of the degree, challenges in meeting future surveying manpower and educational requirements.

**10:30AM – 11:20AM** 1 CEU

### **Aerial mapping: Planes, Drones, Sensors, Photogrammetrists and Surveyors and How They Can Work Together for a Successful Project**

*Greg Lemke, CP; Denny Sauers Jr, CP, PPS*

Greg Lemke, CP, sUAS licensed pilot and Denny Sauers, Jr, CP, PPS sUAS licensed pilot will discuss how projects can utilize a variety of technologies. Manned and unmanned aircraft image acquisition, airborne and mobile LiDAR, photogrammetric mapping, digital orthophotography and land surveying are all different pieces that can be combined to aid in the completion of a successful project.



## SESSIONS *continued*

**1:30PM – 4:20PM** 3 CEU's

### **Riparian Rights and the Surveyor - Section 1**

*Corey Hughes, PS*

Throughout the convention we will be discussing Riparian Rights and their application into Riparian Surveys. We will cover the basics including riparian rights doctrine, terms and definitions, water body types and shapes, that will provide the surveyor a solid foundation for understanding their role and responsibilities when completing surveys along a body of water. We will, also, dive deeper to discuss legal principles and their applications, survey methods when/where/how to use them, review case law, bottomlands apportionment, and much more.

**1:30PM – 2:20PM** 1 CEU

### **Ignorance of the Deep, How the Great Lakes Remain Vastly Unexplored**

*Hans VanSumeren*

Carved by retreating glaciers nearly 14000 years ago, the Great Lakes represent the largest freshwater ecosystem in the world. As seen through the "eyes" of Remotely Operated Vehicles and acoustic sonars, previously unexplored regions are examined and presented in this talk. Areas of focus will include shipwrecks, geologic features, ecosystems and habitats, and other fascinating features.

**1:30PM - 2:20PM** 1 CEU

### **High Accuracy Aerial Mapping**

*Jason Heywood, CP, PSM, SP*

High Accuracy Aerial Mapping: A review of several projects including perspective from the licensed professional land surveyor in responsible charge. Also includes the benefits and challenges of using high accuracy aerial mapping and how decisions were made to support project set up, acquisition, processing and the delivery of final products.

**2:30PM – 3:20PM** 1 CEU

### **New Coordinate Types and Use Cases: How to Work in the Modernized NSRS**

*Jacob Heck*

As NGS modernizes the National Spatial Reference System (NSRS) from NAD 83 to NATRF2022 and NAVD 88 to NAPGD2022, coordinates will become time-dependent. To better express coordinate accuracies and time dependency, NGS has devised five types of coordinates: Active Coordinates, Survey Epoch Coordinates, Reference Epoch Coordinates, OPUS Coordinates, and Reported Coordinates. This talk will describe the new types of coordinates and when to use them, as well as use cases to better explain how to work in the modernized NSRS.

**2:30PM – 3:20PM** 1 CEU

### **Dirt - It's What Matters**

*Jeff Fagerman*

Surveyors collect data on the ground - not on the tops of trees, brush, or grass. Field collection using feet-on-the-ground is the tried and true way of gathering this data but it is costly in terms of time and man-power. While it is very reliable it can also result in missing information subsequently requiring multiple site visits.

Meanwhile, photogrammetry has transitioned from large mapping companies with manned aircraft using large format cameras to the small UAV-based systems now becoming more commonplace in the traditional surveying company. Photogrammetry is immensely beneficial but nonetheless can only collect depth to what is visually presented. This again is the top of vegetation.

Enter lidar, and particularly small format lidar. Lidar provides the means to collect not only the tops of vegetation but all the way down to the ground. This is what the surveyor requires to deliver a reliable ground surface or topographic map. We'll find the dirt.

**3:30PM – 4:20PM** 1 CEU

### **Soo Locks Canal**

*Derek Cusimano; Chuck McCready*

The presentation will cover a brief history of the Navigation Locks located at the Sault Ste. Marie, MI in addition to presenting different coordinate systems and datums used at the Soo Locks by D. Cusimano (USACE) and C. McCready (Alpine Engineering). Like many federal projects, they were originally constructed in a local cartesian coordinate system which over time was updated to NAD27 and NAD83 coordinates. We will discuss how we have been able to modernize the historical local coordinate system by creating a Low Distortion Projection system in conjunction with developing transformation parameters. With the custom projection and transformation parameters, USACE and its contractors now have the ability to accurately survey real time in the historical local coordinate system utilizing GPS.

**3:30PM – 4:20PM** 1 CEU

### **Michigan Tech Presentations**



## SESSIONS *continued*

### THURSDAY – FEBRUARY 17, 2022

**8:30AM – 11:20AM** 3 CEU's

#### **Riparian Rights – Section 2**

*Corey Hughes, PS*

Throughout the convention we will discuss Riparian Rights and their application into Riparian Surveys. We will cover the basics including riparian rights doctrine, terms and definitions, water body types and shapes, that will provide the surveyor a solid foundation for understanding their role and responsibilities when completing surveys along a body of water. We will, also, dive deeper to discuss legal principles and their applications, survey methods when/where/how to use them, review case law, bottomlands apportionment, and much more.

**8:30AM – 10:20AM** 2 CEU's

#### **Floodplain Elevation Requirements of the State Construction Codes and National Flood Insurance Program (NFIP)**

*Joy Brooks; Matthew Occhipinti*

Presentation will cover elevation requirements of the MI Building Codes and NFIP regulations; details on the FEMA Elevation Certificate; Letters of Map Amendment (LOMA's) and Letters of Map Revision based on fill (LOMR-f's); and how these elevations and documents affect flood insurance premiums.

**8:30AM – 10:20AM** 2 CEU's

#### **What Every Field Tech Needs to Know About LCRCs**

*Gil Barish, PS*

As a field technician in today's high demand surveying industry, you are often asked to do. But do you know why you're asked to do certain things or do them a certain way? Or how the information you are asked to gather is used or where it came from?

This session will provide you answers to those question as they relate to the infamous land survey document the Michigan Land Corner Recordation Certificate (LCRC). We will provide a quick look at the statute(s) that govern these records. Provide resources on how to research for and find copies of these records. From there we'll discuss how to research and collect data pertinent to completing and filing of new LCRC records. Then we'll dive into the field application of the LCRC and provide examples of how to use the data contained therein recon and recover Public Land Survey Corners.

**10:30AM – 11:20AM** 1 CEU

#### **The Dynamic Shorelines of the Great Lakes**

*Kate Lederle*

Michigan's Great Lake coastline is over 3,000 miles long. Home sites along the coast are highly valued and much sought after. The Department of Environment, Great Lakes, and Energy is charged with regulating development on the bottomlands, in coastal dunes and along highly erodible shorelines. High water levels present additional challenges to protecting the coastal resource for all citizens and mitigating the hazard of structures falling into the lakes. Michigan regulatory staff have responded to the increased permitting load for shore protection while maintaining littoral processes as much as possible. Contractors and property owners have numerous ideas of how to stop erosion not all of which are feasible. Our primary message is to move the structure landward whenever possible rather than installing shore protection. Local units of government have considerable power to write zoning ordinances and could play a pivotal role in protecting their coastline.

**10:30AM – 11:20AM** 1 CEU

#### **Coordinate Systems**

*Ted Muns, Mark TenHove*

Why doesn't GPS work just work in normal ground coordinates? It's a question that is asked a lot and one we will attempt to answer. This session will look at why we need various coordinate systems, how they are established, and when each is most appropriate. We will look at local systems, geodetic systems and projected systems, as well as how to move from one to another. We will give examples of how to set up the correct system and how to transform from one system to another in the field and office.

**1:30PM – 4:20PM** 3 CEU's

#### **New Maps & New Flood Zones / Building Compliant Buildings**

*Karol Grove, PS, CFM*

Beginning in 2020, many counties throughout Michigan now have FEMA Maps either new, pending, or preliminary. With the introduction of the new maps comes our new FEMA flood zones (Velocity, AO, and Coastal). This class will explore the options when dealing with the new flood zones in the coastal regions. We will discuss new construction in flood zones, building a compliant structure, and how to use an Elevation Certificate to reduce flood premiums. Additionally, we'll cover several examples of "what NOT to do", real life examples of mistakes made by others when dealing with flood zones.





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## SESSIONS *continued*

**1:30PM – 3:20PM** 2 CEU's

### **Social Media & Marketing for Surveyors**

*David Acosta, PS; Janeale Dean; John Gallegos*

Learn some tips and tricks for marketing, website building and creating social media awareness.

**1:30PM – 2:20PM** 1 CEU

### **Point Cloud Data Extraction, What Do I Do with All This Data**

*Andrew Robb, Mark Schnesk*

With the ability to quickly scan and acquire vast amounts of 3D data from photogrammetry and LiDAR, professional surveyors and other geospatial professionals are sometimes overwhelmed when it comes to applying methods to extract the necessary information to produce the required documentation. This session will focus on using applications in extracting topographic data from a variety of mobile, static and sUAS point cloud data (LiDAR and Photogrammetry) primarily using the Autodesk AEC Collection, Trimble Business Center, and Pix4D Mapper and Pix4D Surveyor as examples.

**2:30PM – 3:20PM** 1 CEU

### **Survey Work Flow for Capture & Construction Staking**

*Chad Studer*

Autodesk Civil 3D provides access to integrated tools that equip you to meet any project challenge – now and in the future. This class will provide the fundamental advantages of utilizing Civil 3D for basic field collection. The focus will be on importing a simple text file utilizing custom Leica and Trimble plug-ins to process topographical maps. Features will be provided to simplify curves and 3d linework. Fundamentals of surface creation will be shown but the focus will be on developing a surface or topographical survey from drone mapping and 3D laser scanning. Virtual surveying advantages will be shown and discussed. Creating a topographical survey from traditional methods or utilizing virtual survey is the beginning. Road design, detention basins, site design and utility staking will provide end-to-end capabilities for processing point staking and linework for construction.

**3:30PM – 4:20PM** 1 CEU

### **Diversity in Land Surveying**

*David Acosta, PS; John Gallegos*

We will be giving an update on the newly formed NSPS Diversity Comm and also discussion on 2020 NSPS poll questionnaire results.

**3:30PM – 4:20PM** 1 CEU

### **Ferris State Presentations**

## FRIDAY – FEBRUARY 18, 2022

**8:30AM – 11:20AM** 3 CEU's

### **Safe Excavation Practices = MISS DIG 811 Certification**

*Eric Urbain*

The MISS DIG 811 Certification workshop being presented covers an Overview, Call MISS DIG 811, PA 174, Positive Response, Pipeline Safety, Scope of Work and Ticket Ingredients, Response Times, Color Codes and Removing the Flags, and Online Programs, Tools and Resources including No Marks Ticket. You can also earn Continuing Education Credits for Drinking Water, Waste Water, Professional Engineer or Surveyor, Residential Builder or Builder prelicensure, and Landscape Architect. The workshop has also been Gold Shovel Standard Approved.

**8:30AM – 10:20AM** 2 CEU's

### **Business Ethics: Theory and Practice**

*Andrew Wible, PhD*

Professional ethics is often thought to be a matter of following agreed upon rules of conduct, yet professionals are also to be independent actors. This session will attempt to bridge the gap between those two positions by examining the moral theory behind moral codes and begin to develop the tools needed to critically assess moral dilemmas. This interactive session will start with general moral theory often assumed or ignored and then analyze how to use those theories to solve tough cases in business and professional ethics. Finally, developing moral virtues such as honesty, generosity, and courage to do the right thing will be discussed.

**8:30AM – 9:20AM** 1 CEU

### **Vertical Datums: NAVD 88, IGLD (1985) and Their Upcoming Changes**

*Jacob Heck*

In the next few years, NGS and partner agencies are updating existing vertical datums, replacing NAVD 88 with NAPGD2022 and updating IGLD (1985) to IGLD (2020). Vertical datums provide reference for determining heights. There are a variety of vertical datums that are used in the U.S. that provide reference for different types of heights. This talk will explain the different types of heights, the datums that are used as reference for them, how IGLD and NAVD 88 connect with each other, and planned updates to the vertical datums.





## SESSIONS *continued*

**9:30AM – 11:20AM** 2 CEU's

### **Pucker Street Dam Removal Project**

*Suzannah Deneau; Mike Freeman*

In the southwest corner of Michigan, the Dowagiac River, one of the largest cold-water streams in the region, flows into the mighty St. Joseph River, near the City of Niles. The impassable Pucker Street Dam has confined these migratory fish species to the lower 3 miles of the Dowagiac – until now. Fish are about to have a lot more territory to explore thanks to an ongoing project to remove the dam in Berrien County.

To truly appreciate the significance and challenges associated with this dam removal project, it's important to know a little bit about the dam's history. The City of Niles has owned and operated a power generation dam on the Dowagiac River for over 100 years. However, the dilapidated structure has since outlived its purpose. Over last two years, the

dam has been demolished, and 200,000 cubic yards of sediment have been removed from the Dowagiac River.

This presentation will provide history from 1894 through the present about the dam and the Dowagiac River.

**10:30AM – 11:20AM** 1 CEU

### **Midland County's GIS Response to Flood/Dam Failure**

*Chris Cantrell; Nathan Fazer*

In May of 2020, Mid-Michigan received a significant rain event where several inches of rain fell over a two-day period. This resulted in two dams being breached - the Edenville Dam first, which allowed the contents of Wixom Lake to empty into Sanford Lake, and Sanford Lake to empty downstream to the City of Midland. This session will describe how GIS and geospatial data was used before, during and after the dam failures.

## THANK YOU SPONSORS

### PLATINUM



### GOLD



### SILVER



### SEMINAR





## SPECIAL EVENTS

### CST EXAMS

**Tuesday, February 15**

**7:30AM – 5:00PM**

#### **Become a Certified Survey Technician (CST)**

No matter what the future holds, prepare to meet challenges head on. Future-proof your resume by becoming a Certified Survey Technician (CST). This unique four-level certification program indicates official recognition by NSPS that a person can perform surveying tasks at a specific technical level. Show what you can do! Decide between the field or office track. Visit <https://cstnsp.com/> for details or contact Proctor John Fenn at 23505@msn.com.

### FORESIGHT RECEPTION

**Tuesday, February 15**

**7:00PM – 9:00PM**

Kick off the Convention with your peers during this networking event!

### COUNTY SURVEYOR'S LUNCH

**Wednesday, February 16**

**12:00PM – 1:00PM**

### EXHIBITOR RECEPTION

**Wednesday, February 16**

**5:30PM – 7:00PM**

Join us in the exhibit hall for a casual reception and opportunity to visit with conference exhibitors. Refreshments and snacks will be provided. Silent auction items will also be available for bid in the exhibit hall throughout the conference with winning bids being announced on Thursday during the Member Reception.

### SURPAC (SURVEYORS POLITICAL ACTION COMMITTEE) LUNCH

**Thursday, February 17**

**12:00PM – 1:00PM**

Please join us for a legislative update provided by MSPS's lobbyist, Melissa McKinley from the Kelley Cawthorne Firm. By attending this important update luncheon, you will be contributing to the SURPAC, which allows MSPS to support legislators who support our profession.

2020 will be an important year with national and state election cycles in full swing. By electing lawmakers who are supportive of our profession, we can be assured that MSPS will have maximum impact in shaping policy issues in Lansing.

For MSPS to be successful in achieving their goals, we need your help. Please consider attending this luncheon by making a SURPAC contribution of \$100.00 (minimum). Thank you for your support.

### ANNUAL MEETING

**Thursday, February 17**

**4:30PM – 5:00PM**

### MEMBER RECEPTION

**Thursday, February 17**

**5:00PM – 6:30PM**

Please join us on Thursday evening for a pre-dinner reception. This evening is about you, the surveyors. It's a time for us to show our appreciation for all that you do for the profession, past, present, and future. New Life Members and New Licensees will be introduced, and scholarships will be presented to the next generation of surveyors. Individuals will be recognized for the value they have added to the profession through their investment of time and volunteerism. All these activities will be done against the backdrop of a relaxed social atmosphere and giveaways throughout the evening. The Foundation's Silent Auction and Raffle will be in full effect with silent auction items closing bids at various times throughout the evening and the raffle drawing will close out the evening's activities.

### HOTEL INFORMATION

Grand Traverse Resort Room Block is Open!

Book Online: <https://www.grandtraverseresort.com/promocode?promocode=MSPS022>

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### REGISTRANT INFORMATION

(check one)  P.S.  Associate  Affiliate  Student  Non-Member

Name \_\_\_\_\_ Address \_\_\_\_\_

Chapter \_\_\_\_\_ City, State, Zip Code \_\_\_\_\_

Company \_\_\_\_\_ Phone \_\_\_\_\_

Email \_\_\_\_\_

Dietary Restrictions \_\_\_\_\_

### CONVENTION REGISTRATION FEES

	By January 31, 2022	After January 31, 2022
<b>FULL CONVENTION</b>	<input type="checkbox"/> Members \$320	<input type="checkbox"/> \$370
	<input type="checkbox"/> Non Members \$700	<input type="checkbox"/> \$750
<b>SINGLE DAY</b>	<input type="checkbox"/> Members \$160	<input type="checkbox"/> \$210
	<input type="checkbox"/> Non Members \$560	<input type="checkbox"/> \$610
<b>WINTER SEMINAR</b>	<input type="checkbox"/> Members \$190	<input type="checkbox"/> \$240
	<input type="checkbox"/> Non Members \$560	<input type="checkbox"/> \$610

TOTAL AMOUNT DUE	
Convention Fee	\$ _____
Meals Fees	\$ _____
Processing Fee	\$ 5.00
<b>Grand Total Due</b>	<b>\$ _____</b>
<i>See payment information below.</i>	

We encourage you to register online to avoid processing fee and accurate program and appropriate CEU credit. Visit [www.MiSPS.org](http://www.MiSPS.org)

### MEALS

*Please indicate the number attending* Qty. \_\_\_\_\_

Wednesday Lunch \$35 \_\_\_\_\_

Wednesday Lunch - County Surveyors \$40 \_\_\_\_\_

Thursday Lunch \$35 \_\_\_\_\_

Thursday Lunch SURPAC\* \$100 \_\_\_\_\_

\*SURPAC Lunch payment must be made with a personal check or credit card.

**Refund Policy:** A \$50 processing fee will be assessed on all cancellations on or before January 31, 2022. No refunds will be issued after January 31, 2022.

### CONVENTION SESSION REGISTRATION

#### TUESDAY-FEBRUARY 15, 2022

##### Seminar

8:00am-5:00pm Riparian Surveys and Riparian Law

#### WEDNESDAY-FEBRUARY 16, 2022

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- 8:30am-10:20am What Every Field Tech Needs to Know About LCRCs
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- 1:30pm-3:20pm Social Media for Surveyors
- 2:30pm-3:20pm Survey Work Flow for Capture & Construction Staking
- 2:30pm-3:20pm Avoiding Common Pitfalls in Aerial and Terrestrial Mapping
- 3:30pm-4:20pm Diversity in Land Surveying
- 3:30pm-4:20pm Ferris State Presentations

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### PAYMENT INFORMATION:

**Payment Information Credit Card:**  Discover  MasterCard  Visa  Check (payable to MSPS)

Card # \_\_\_\_\_ Exp. Date \_\_\_\_\_ CVV # \_\_\_\_\_

Cardholder Name (Print): \_\_\_\_\_ Authorized Signature \_\_\_\_\_

Address on Credit Card: \_\_\_\_\_

*We encourage you to register online for accurate program and appropriate CEU credit. Visit [www.MiSPS.org](http://www.MiSPS.org) to register or send this page with your payment (including processing fee) information to: Michigan Society of Professional Surveyors, PO Box 22054, Lansing, MI 48909 or fax to 517.708.7250*

**Refund Policy:** A \$50 processing fee will be assessed on all cancellations on or before January 31, 2022. No refunds will be issued after January 31, 2022.