



**RHODE ISLAND SOCIETY
OF PROFESSIONAL LAND SURVEYORS**

Presents

**52nd Annual Meeting & Conference
Friday - November 11, 2022**



CROWNE PLAZA

801 Greenwich Avenue

Warwick, RI 02886

RHODE ISLAND SOCIETY OF PROFESSIONAL LAND SURVEYORS

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CROWNE PLAZA HOTEL

Warwick, Rhode Island

Schedule of Events

7:30 AM	Registration Opens with Continental Breakfast		
8:00 - 4:45	Exhibits Open		
8:00 - 11:30	Seminar I	James Nadeau	PLS, CFM, CFS, ANFI, Realtor Maine Coast Surveying & Flood Consultants Above and Below Utility Locating
8:00 - 11:30	Seminar II-a	8-9:45am	Daniel Martin Northeast Regional Geodetic Advisor NOAA/NOS/National Geodetic Survey
	Seminar II-b	10-11:30am	Matt Brown and Patrick Moran Leica GEO-Systems Maine Technical Source Inc
9:45 - 10:00	Break		
11:30 - 2:00	Exhibits / Free Time / Plan Contest Voting		
12:00 - 2:00	Lunch Buffet- 50/50 Raffle-Membership Meeting-Induction of Officers-Awards		
2:00 - 4:45	Seminar I	James Nadeau	PLS, CFM, CFS, ANFI, Realtor Maine Coast Surveying & Flood Consultants Above and Below Utility Locating
2:00 - 4:45	Seminar III	Thomas H Meyer, Ph.D.	Professor of Geodesy, University of CT Dept of Natural Resources and the Environment
3:00 - 3:30	Break		
3:30 - 4:45	NESS Meeting		
4:45 - 5:15	Door Prizes / Certificates		
5:00 - 7:00	Cocktail Reception w/Hors d'oeuvres & Scholarship Auction		

Event Schedule subject to change. Final Schedule will be posted in Event Program on 11/11/22

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James D. Nadeau

PLS, CFM, CFS, ANFI, Realtor

Maine Coast Surveying & Flood Consultants

Above and Below Utility Locating

Biography:

Jim Nadeau has provided land consultation and real estate brokerage services for over 30 years. He is a Professional Land Surveyor, and current Chair of the Maine Board of Licensure for Professional Land Surveyors, holds the three National Flood Insurance Program designations, a member of the Maine Climate Council, and is also a Designated Broker at Jim Nadeau Realty. His experience in diverse fields allows him to provide comprehensive and unique service and education to homeowners, as well as, mortgage, insurance, land use, and design consultants.

Presentation:

Value-Based Fees: How to Charge What You're Worth 8-am-11:30am

Determining the appropriate fees for land surveying services requires an organizational belief that such services are both important and unique. In this program, attendees will learn how to increase individual and organizational worth and convey competence to prospective clients. We will explore ways to create a profitable business model, as well as discuss other parameters of value, the importance of service diversity and the creation of a hybrid fee strategy to support a transition to value-based fees. There will also be open discussion welcoming perspectives and ideas from attendees on business documents used to reduce liability while enhancing communication with clients.

Changing the Role of a Land Surveyor in the NFIP 2pm - 4:45 pm

The National Flood Insurance Program (NFIP), which offers flood insurance to more than 5 million policyholders nationwide, has transitioned to Risk Rating 2.0, a more automated rating methodology which uses "system-generated" values to perform more efficient and equitable flood risk analyses. As technology continues to change the role of the land surveyor, it calls for continued education and a willingness to evolve as flood consultants. This program will review important changes in the NFIP, as well as what has not changed. We will discuss how Flood Zone Determinations, Elevation Certificates, and Letters of Map Change still play an important role in helping property owners understand flood insurance and mitigation options and explore different ways land surveyors can remain actively involved through a variety of real life examples.

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Daniel Martin

Northeast Regional Geodetic Advisor,

NOAA/NOS/National Geodetic Survey

Biography:

Dan Martin works for the National Geodetic Survey and has been the Northeast Regional Geodetic Advisor since 2015. As the Regional Advisor, he instructs local surveyors, state and municipal agencies, and the geospatial community at large, on how to use and preserve the National Spatial Reference System, and provides liaison between the National Geodetic Survey and the States of ME, NH, VT, MA, CT, RI, NY, and NJ, as well as other federal agencies. He worked in the Route Survey and Geodetic Survey sections of the Vermont Agency of Transportation from 1988 through 2003, and held the position of Geodetic Program Supervisor for the Agency from 1999 through 2003. In 2003 Dan began his career with the National Geodetic Survey as the Vermont State Geodetic Advisor. Dan is a Past President and Fellow Member of the American Association for Geodetic Surveying (AAGS), he is also a member of the Vermont Society of Land Surveyors and the New Hampshire Land Surveyors Association.

Presentation:

New Datums - What you need to know with only FOUR years to go

This workshop will provide updated information about the planned modernization of the National Spatial Reference System (NSRS). Specifically, NGS' plans to replace the North American Datum of 1983 (NAD 83) and the North American Vertical Datum of 1988 (NAVD 88). This workshop will provide an opportunity for NGS to share updates and discuss the progress of projects related to NSRS Modernization, as well as new technical challenges and delays.

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Matt Brown and Patrick Moran

Leica Geo-Systems and Maine Technical Source Inc

Biography:

Matt Brown and Patrick Moran with Leica Geo-Systems and Maine Technical Source, Inc have over 40 years of experience in the 3D Scanning/Reality Capture industry in both the consulting and sales/training. They will share their experience with the technology development and how the equipment can be implemented into your company's business plan.

Mobile mapping has never been easier with Leica BLK2GO and BLK2FLY. Intuitive and autonomous workflows make mobile mapping accessible to more professionals than ever before, opening more business and revenue opportunities across multiple industries. New Mobile Mapping technology captures and creates accurate, high-quality digital twins increasing efficiency from field to office.

The presentation will focus on the following:

- Fundamentals of mobile mapping
- Value of mobile data collection
- Leveraging mobile mapping to address today's challenges
- Field demonstration of both BLK2GO and BLK2FLY

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Thomas H. Meyer, Ph.D.

Professor of Geodesy

University of CT, Dept of Natural Resources and the Environment

BIOGRAPHY

Tom Meyer was awarded a Ph.D. from Texas A&M University in College Station, Texas in 1998, where he was a research associate in the Mapping Sciences Laboratory. He now is a Professor of Geodesy in the Department of Natural Resources and the Environment at the University of Connecticut, where he teaches courses in geomatics, GNSS and plane surveying, geodesy, and geospatial analysis in Python. Dr. Meyer is a member of ASCE and the Connecticut Association of Land Surveyors. He is also a past president of the New England Section of the ACSM and a Fellow and the 2016/2019 president of the American Association for Geodetic Surveying. Dr. Meyer has published an undergraduate textbook on geodesy, numerous peer-reviewed journal articles, and is on the editorial boards of the Journal of Surveying Engineering (JSE) and Surveying and Land Information Science (SaLIS). He is a regular presenter at national meetings, giving workshops and seminars on numerous topics in geodesy, GNSS, and surveying. His most recent research projects include new formulations of low-distortion projections, and developing spatial statistical animal-movement models for mountain lions, bobcats, and salmon.

<http://www.nre.uconn.edu/pages/people/bios/meyer.php>

PRESENTATION

Accuracy and Precision: Expected Results and Observation-Session Duration

Observation modes (DGPS, Phase Differencing)

Autonomous

Precise Point Positioning

DGPS

Code - and Phase - Differencing

Static Positioning

CORS

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PRESENTATION Continued

Tripod, UConn HARN Example

Range pole

Real-time positioning

Real-time kinematic (RTK), Real-time network (RTN)

RTN example: UConn class survey exercise

Observation - session duration

Statistical independence

Autocorrelation and sample interval

NGS example for heighting

NGS occupation-duration CORS study

Error Budget

Range-pole centering error (Franklin and Meyer, SaLIS, 2016)

Multipath

Satellite constellation geometry

Dilutions of Precision (DOPs)

Why heighting is *never* as accurate as horizontal

Ionosphere, troposphere, signal-to-noise ratio

Geodesy Matters

The Coordinate hierarchy

Antenna phase-center calibration: absolute vs. relative

Reference systems, reference frames and datums

WGS84 vs NAD83

Time-dependent positioning and stable reference frames

Geoid models and reference-frame choice

An eye toward the future: North American Terrestrial Reference Frame vs ITRF



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CROWNE PLAZA, Warwick, RI



Registration Information:

- Please Note the VENUE CHANGE for this years convention IN PERSON at the CROWNE PLAZA
- A luncheon buffet will be served w/ awards, 50/50 raffle etc. and there will be no evening banquet.
- A Continental Breakfast, Lunch, am & pm snack breaks are included in your Full Day Registration
- Limited seating for Seminars. Seminar choices are on a first-come first serve basis.
- Registration **Deadline is November 4 ,2022 Late Fee of \$10** will be added if received after 11/04/22
- Active Members of CALS, MALSCE, MSLS, NHLA, NYSAPLS, and VSLS can attend for the RISPLS Member rate—Check appropriate box on next page registration.
- Make reservations early to eliminate late fee, reserve seating and to be able to pick up your attendance certificate at the end of the meeting.
- Be sure to stay after picking up your certificates as we will be holding the annual Scholarship Auction w/ cocktails & hor d'oeuvres immediately following.
- All Reservations are non refundable and non-transferable.
- **CHECK OR CREDIT CARD NOW ACCEPTED** (a 3.5% transaction fee will be added to your total)
- Please make checks payable to **RISPLS** and mail with completed Registration Form to:

RI Society of Professional Land Surveyors (RISPLS)

410 Tiogue Avenue, Coventry, RI 02816

Email any questions contact Sherri at the RISPLS office 401-294-1262 or rispls@hotmail.com

- **All Donations are welcome for our Annual Scholarship Auction** that will be held during the Cocktail Hour

Each year a benefit auction is held to raise funds for scholarships to students enrolled in approved surveying and engineering programs. Items are donated by members, friends, exhibitors, suppliers and others in the surveying community. We welcome all items, both new and used. Past items have included surveying software, books, maps instruments, gift baskets, boat trips, gift cards, wine, handmade items and more. If you or your company would like to donate, please bring the item(s) the day of the convention.



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Registration Information:

Name:	
Name on your identification badge to appear as:	
Company (will appear on Badge)	
Street Address	
City	State Zip Code
Phone Number	
Email Address	

Full Day Registration Seminar (Access to ALL & includes lunch & breaks)

Members: \$285.00 _____ Non-Members: \$300.00 _____

Luncheon & Award Ceremony Only \$ 110.00 _____ Non-Members: \$125.00 _____ (11:30-2pm)

Half Day Registration (Morning Session or Afternoon Session * lunch & breaks included) Seminar II or III

Members: \$180.00 _____ Non-Members: \$200.00 _____

Exhibit Hall Only (no lunch): Members:\$75.00 _____ Non-Members:\$100.00 _____

Students FREE _____ Students with an ID can attend Seminar & Exhibits FREE! **(Must RSVP Below)**

Choose Seminar I for all day or Seminar II & III for half day options to Attend:

Seminar I AM &PM James Nadeau, PLS, CFM, CFS, ANFI, Realtor (all day) (7 PDH)

OR

Seminar II-a&b AM Daniel Martin, NE Regional Deodetic Advisor (1/2 day) (4 PDH)

Matt Brown & Patrick Moran, Leica GEO-Systems & MTS

Seminar III PM Thomas H Meyer, Ph.D. (1/2 day) (3 PDH)

SPONSORSHIPS

SPONSOR A STUDENT : STUDENT LUNCH \$100.00 _____

SPONSORSHIP FOR CONFERENCE BREAKOUTS: _____ Amount \$ _____

Total Amount Enclosed \$ _____ **Late Fee of \$10, if received after November 4, 2022*

All Reservations are non refundable and non-transferable. Please make checks payable to RISPLS and mail with completed reservation form to:

RISPLS, 410 Tiogue Ave, Coventry, RI 02816 / Email Questions to Sherri at: rispls@hotmail.com

OR pay with (check one) VISA MASTER CARD *(\$3.5% transaction fee will be added)*

NAME ON CARD: _____ (3 digit on back of card)

CARD NUMBER: _____ EXP DATE: _____ CODE: _____

BILLING ADDRESS _____ CITY _____ STATE _____ ZIP _____

SIGNATURE: _____



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SPONSORSHIPS AVAILABLE:

RISPLS has sponsorships available for the conference
Breakfast, Lunch, Breakouts, Gifts and Student Lunch.

Please reserve your Personal or Company Sponsorship today!!

Friday Continental Breakfast	\$100.00
Friday Morning Break	\$100.00
Friday Luncheon	\$200.00
Friday Afternoon Break	\$100.00
Give Away Gifts to all Attendees	\$150.00
Friday Evening Hors d'oeuvres	\$250.00
SPONSOR A STUDENT LUNCH	\$100.00

If you or your company are interested in a sponsorship, please indicate on the Registration page and include with your payment.

Sponsorships will be recognized in the Convention Program and on display during the day.

RISPLS appreciates your sponsorship contributions to help make our Convention a success!!

Thank you !

****Donations any size are always accepted for our Annual Scholarship Auction ****



2022 RISPLS PLAN CONTEST

CONTEST RULES

1. Must be a plan of RI, dated between November 2021 and November 2022.
2. Entries must be un-mounted blue or black line prints.
3. Plans must be 1 sheet (no multiple sheets or sets)
4. Each entry must be accompanied by an entry form.
5. No plans will be accepted after the submission deadline (10:00 am November 11, 2022)
6. Check Awards will be mailed.
7. All decisions are final. Award-winning entries and the results will be displayed at the Convention.
8. All entries will become the property of RISPLS, Inc., and will be disposed of after award presentation.

Awards

Awards will be presented to the first place winners and announced for the second and third place winners in each category.

First Place-----\$100.

Second Place-----\$ 50.

Third Place -----\$ 25.

Judging

All entries will be checked for compliance with the Procedural and Technical Standards for the Practice of Land Surveying in the State of Rhode Island and Providence Plantations as adopted by the Board of Registration. No plan will be judged if it does not comply with said Standards.

The plan shall be judged and voted on the following:

- Overall appearance, neatness, balance and consistency.
- Lettering - clear and unmistakable.
- Completeness (deed reference, plan references, areas, old property lines, monuments, etc)
- Qualifying notes or statements (clearly and unmistakably stated)
Signatures and seals.

Plan Categories

Plan Categories (Property Line, Subdivision, Site Plan) will be judged using either mechanical or freehand methods.

Entry Form (please print)

Title of Plan:	Category:
Name of Preparer:	Company Name:
Company Address	Company Phone#

Please submit plan to: RISPLS , 410 TIOGUE AVE, Coventry RI 02816 by 11/4/22

OR BRING WITH YOU TO THE CONVENTION 11/11/22

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801 Greenwich Ave, Warwick RI 02886

Telephone: 401-732-6000

Check out their website at CROWNEPLAZA.COM

If you plan on staying overnight, please make your reservations early and mention that you are attending the RI Society of Professional Land Surveyors Event on 11/11/22.

The rate for one night is \$139 per night.

All guests will receive complimentary Wireless Internet access in their guestroom as well as in the Main Lobby and Alfred's Lounge. The access code is "WRWRI"

The CROWNE PLAZA has free on-site parking for conference attendees.

Check In 3PM Check Out 11AM

If overnight rooms are no longer available at the Crowne Plaza, they may be able to make accommodations at their sister property Holiday Inn Express .



RI Society of Professional Land Surveyors
410 Tiogue Avenue
Coventry, RI 02816

Please be reminded, when you are considering the purchase of services and equipment, these companies are RISPLS Members and support the aims and objectives of the society.

PROFESSIONAL DIRECTORY

AEROTECH

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Providence, RI 02908
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Web Page www.aerotechcorp.com

BLUESKY GEOSPATIAL

Aerial Photography, Digital Mapping, Orthophotos
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FAX:603/569/8200
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dschor@superiornetwork.com

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