



# Fall Conference

Friday, September 17, 2021  
Roundhouse at Okemo Mountain Resort  
Ludlow, Vermont



7 PDH

57th Annual  
Conference!

## Conference Schedule

**7:15 - 8:00 a.m.**  
Registration and Breakfast

---

**8:00 - 9:50 a.m.**  
Geodesy 101

---

**10:00 - 11:50 a.m.**  
A Closer Look at NCEES

---

**12:00 - 1:00 p.m.**  
Lunch and  
VSLs Business Meeting

---

**1:00 - 2:50 p.m.**  
OPUS / OPUS Share

---

**3:00 - 4:00 p.m.**  
Private and Public Roads

---

**4:00 p.m.**  
Final Announcements

## Seminars

### Geodesy 101

**Presenter:** Nicholas Ford, Alfred State College

What the heck is a geoid? What about an ellipsoid? Projections, how do they work? As GNSS continues to be a staple in the modern surveyor's diet, it becomes helpful, if not necessary, for users to understand what is going on "under the hood" of the coordinates they are determining. This course is designed to explain these concepts and how they relate to GNSS measurements. This course is designed to be both a refresher for individuals who have been acquainted with these ideas, and as an introduction to geodesy for individuals who feel totally lost when discussions of geoids and ellipsoids are present.

### A Closer Look at NCEES

**Presenter:** Joe Flynn, L.S., O'Leary Burke Civil Associates

This seminar will offer an update on programs provided by the National Council of Examiners for Engineering and Surveying (NCEES). We'll also look at NCEES's records programs and changes in the FS and PS exams. Finally, we'll explore the relationship between NCEES and the Vermont Board of Land Surveyors.

### OPUS/OPUS Share

**Presenter:** Dan Martin, NOAA

The National Geodetic Survey's (NGS's) Online Positioning User Service (OPUS) provides free, easy access to the National Spatial Reference System (NSRS), by allowing users to upload their GPS data to the NGS to be processed by NGS computers. To use OPUS successfully, it is critical that users understand both the requirements for data input as well as the processing output. This course will describe the steps involved in processing data with OPUS and will explain the output so that users can better interpret and have confidence in the results. We will also go through the steps to "Share" your OPUS solution and will discuss the benefits of doing so.

### Private and Public Roads

**Presenter:** Paul Gillies, Esq., Tarrant Gillies Richardson Shems

The law of property has been a rock since time immemorial. The fixed principles of easements have rarely been the subject of reform. That is, until recently, when legislation and caselaw have introduced new ideas about rights of access over roads. Suddenly ancient claims of access by private ways are limited, making access to landlocked land more difficult. Unmapped highways that are clearly observable on the ground did not suffer statutory discontinuance in 2015. These are big changes, deserving attention.

<b>CONFERENCE FEES</b>	<b>THROUGH SEPT. 3</b>	<b>AFTER SEPT. 3</b>
Member in good standing of VLSL or kindred society	<b>\$180.00</b>	<b>\$205.00</b>
Life Member	<b>\$135.00</b>	<b>\$160.00</b>
Non-member technical staff (must be affiliated with member)	<b>\$153.00</b>	<b>\$178.00</b>
Group Rate (three or more from same firm)	<b>\$153.00</b>	<b>\$178.00</b>
Non-member	<b>\$250.00</b>	<b>\$275.00</b>
Lunch Only	<b>\$30.00</b>	<b>\$30.00</b>

## LODGING OPTIONS

**Within 5 miles of Okemo**

- Echo Lake Inn
- Main and Mountain Bar & Motel
- Governor's Inn
- Ludlow Colonial Motel
- Timber Inn Motel

**On site, at the Jackson Gore Inn**

Attendees receive 20% off the best available room rate at the time of registration.

- Call: 855-332-1601 from 10 a.m. - 7 p.m.
- Mention: Vermont Society of Land Surveyors 2021 or SOKVSL21.
- The cost will be charged to your card two days prior to your arrival. No cancellations or refunds within two days of your stay.

## Presenters

**Nicholas Ford, L.S., Alfred State College**

Nicholas Ford is a licensed surveyor in New York State, as well as a full-time instructor at Alfred State College, where he teaches a variety of courses including courses specific to GNSS and geodesy.

**Joseph Flynn, L.S., O'Leary-Burke Civil Assoc.**

Joe Flynn is the Land Survey Manager at O'Leary-Burke Civil Associates in Essex, Vt. He is licensed in Vermont, New Hampshire and Maine and has been involved in land development for civil engineering companies for 34 years. Joe is responsible for all aspects of surveying for O'Leary-Burke, including training staff, quality control for all surveying projects, review of project costs, compilation of survey proposals and tracking of all currently active survey projects. Joe is chair of the Vermont Board of Land Surveyors and former chair of the NCEES EPS Committee.

**Dan Martin, Northeast Regional Geodetic Advisor at National Geodetic Survey**

As the Northeast Regional Advisor, Dan 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 has authored many articles on geodetic surveying, and he has given well over 100 presentations and workshops throughout the Northeast and United States.

**Paul Gillies, Esq., Tarrant Gillies Richardson Shems, LLP**

Paul has been a partner in the Law firm of Tarrant Gillies Richardson Shems, LLP, since 1993, after serving 12 years as Deputy Secretary of State for Vermont. His practice involves most of the usual civil areas of law, including municipal, zoning and land use, property, appellate, and trial work. He has a special fascination for old roads, boundary lines, rights-of-way and other easements, and that special land where history collides with law.



**TO REGISTER • Please return this form by mail or register online at vsls.org.**

Name \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Email (required) \_\_\_\_\_

Check enclosed (payable to VLSL) for \$ \_\_\_\_\_

Credit card payment:  VISA  MC  AMEX  DISC

Card Number \_\_\_\_\_

Exp. Date \_\_\_\_\_ Security Code \_\_\_\_\_

Please return form with payment to: VLSL, P.O. Box 248, Montpelier, VT 05601-0248. Questions? [kelly@vsls.org](mailto:kelly@vsls.org)