

REGISTRATION PACKET

A photograph of a surveyor in the foreground, wearing a yellow hard hat and a high-visibility vest, operating a surveying instrument on a tripod. In the background, a horse race is in progress on a dirt track, with several jockeys on horses. A large crowd of spectators is visible in the stands behind the track. The scene is set outdoors on a sunny day.

SURVEYING THE STAKES

**NYSAPLS 60TH ANNUAL CONFERENCE & EXHIBITION
SARATOGA SPRINGS CITY CENTER & HILTON HOTEL
JANUARY 28-30, 2019**

We are delighted to invite you to the New York State Association of Professional Land Surveyors 60th Annual Conference & Exhibition hosted by the Mid-Hudson Valley Land Surveyors Association! Our event will be held January 28-30, 2019, at the Saratoga Springs City Center and adjoining Hilton Hotel, located in beautiful downtown Saratoga Springs, New York.

Known for the Saratoga Race Course, healing mineral spring waters, great restaurants and walkable shopping destinations, this exciting historical cultural center will definitely keep you entertained while you are attending the conference. (Visit www.discoversaratoga.org for more local tourist information).

Our annual surveyor's conference is our most anticipated event of the year, hosting surveying professionals from New York, Vermont, Massachusetts, New Jersey, New Hampshire, Connecticut, Pennsylvania and the neighboring Canadian provinces. With nearly 1,000 professionals networking through our exhibits, seminars, and social events, we guarantee this is one event you do not want to miss.

"Surveying the Stakes"

Join us as we explore all-new educational topics such as "Tides and Tidal Datums", "FAA Regulations for UAS Operations" and "Becoming a Certified Drone Pilot". In addition, we'll gallop back in time and discover "Tying into Historical Documentation" and "Stonewalls: Past, Present and Future".

Also, plan to bring your field staff as we showcase our 13th annual Technician's Track, featuring programs designed for your crew chiefs, instrument operators, rod persons, office technicians and managers and other unlicensed technicians important to your business.

Come explore the endless possibilities the world of surveying can offer. There are many paths you can choose to enhance your career. There has never been a better time for you to embrace the vast wealth of information and peer support offered at our annual conference. Come network and find out what everyone else is doing, how they are doing it, and how you can improve your workplace efficiency to increase your workload.

Discounted registration packages!

Our MONUMENTAL PACKAGE (see back cover) offers all education, lunches, welcome reception and exhibit hall entry at a discounted price. Of course for those of you who cannot make the full 3-days, we have exceptional discounts on our one-day and half-day registrations, as well.

Student Networking Day 2019

We are looking for volunteers to participate in the 6th debut of our annual student networking day. The NYSAPLS education and young professionals committees have designed an afternoon including an introduction to the "real world" of surveying to assist current students enrolled in survey related programs. It is also a great way to get to know some of the faculty from the colleges offering surveying curriculums on the exhibit floor and potentially recruit new employees upon graduation. Please join us for this important event to help our future licensees by giving them a few hours of your time. See page 14 for more details, and be sure to indicate you'd like to participate on your registration form.

Extraordinary Exhibition Experience!

We REALLY want you to be able to spend more time perusing our exhibits and getting the most out of your conference experience without taking away from your classroom time. Once again we will feature exhibit hall presentations and longer breaks for lunch and in-between classes. You can now utilize this "extra" time to view the latest advancements and trends in surveying technology, take a look at and vote on our annual map contest entries, bid on silent auction items for our scholarship fund, visit the NYSAPLS Bookstore and member lounge, discover new member benefits and connect with vendors, friends and other business professionals.

Take a few moments to review the extensive program our volunteer committees have worked so hard to put together for you. Join us as we celebrate 60 years of showcasing our great profession!

Sincerely,

Kenneth J. Stigner, LS, PP, Conference Committee Chair
Joseph G. Malinowski, LS, Education Committee Chair

Photo credit: Thank you to Gary Thompson, LS, for providing the photo of the surveyor on our brochure cover.

Thank you, sponsors*

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Schedule of Events

Sunday, January 27

3:00pm – 7:00pm	Attendee Registration Open*
3:00pm – 7:00pm	Exhibitor Registration and Move-in
4:30pm – 5:30pm	Weekend Learning Lab
7:00pm – 9:00pm	NYSAPLS Board of Directors Meeting

Monday, January 28

7:00am – 6:00pm	Attendee Registration Open
7:00am – 10:00am	Exhibitor Registration and Move-in
8:00am – 12:30pm	Educational Programs (see education-at-a-glance, page 22)
9:30am – 5:30pm	Auxiliary Programs (see page 13)
11:00am – 4:30pm	Exhibits Open
12:00pm – 2:00pm	Strolling Lunch with Exhibitors
12:30pm – 12:45pm	Student Networking Day Meet-up
12:45pm – 1:30pm	Scholarship, New Licensee Presentation, and Pillar Awards
2:00pm – 3:30pm	Student Networking - Learning Exchange (see page 14)
1:30pm – 6:00pm	Educational Programs (see education-at-a-glance, page 22)
6:00pm – 9:00pm	NYSAPLS Welcome Reception with Exhibitors

**Come pick up your name badge and registration materials early on Sunday between 3:00pm – 7:00pm and skip the lines Monday morning.*

Tuesday, January 29

7:00am – 6:00pm	Attendee Registration Open
7:30am – 4:30pm	Exhibits Open
7:30am – 9:30am	Continental Breakfast with Exhibitors
8:00am – 12:30pm	Educational Programs (see education-at-a-glance, page 22)
8:00am – 5:00pm	Auxiliary Programs (see page 13)
12:00pm – 2:00pm	Strolling Lunch with Exhibitors
2:00pm – 4:00pm	Education Summit
1:30pm – 6:00pm	Educational Programs (see education-at-a-glance, page 22)
5:30pm – 7:00pm	Young Professionals & Alumni Social
7:00pm – 10:00pm	The Surveyors Social: Dinner, Drinks, and Live Music

Wednesday, January 30

7:00am – 11:00am	Attendee Registration Open
7:30am – 11:00am	Exhibits Open
7:30am – 9:30am	Continental Breakfast with Exhibitors
8:00am – 12:30pm	Educational Programs (see education-at-a-glance, page 22)
9:00am – 11:00am	Auxiliary Continental Breakfast (see page 13)
9:30am – 11:00am	NESS Meeting and President's Roundtable
11:00am – 2:00pm	Exhibitors Break Down
1:00pm – 2:00pm	NYSAPLS Board of Directors and Annual Business Meeting
2:00pm – 3:00pm	Shaw Fund Annual Business Meeting

Important Dates

October 10, 2018

Early bird registration discount deadline
for Journal ads and exhibit booths

November 30, 2018

Deadline to submit Journal advertisements

December 10, 2018

Early bird registration deadline

December 15, 2018

Deadline to submit map contest entries
(see page 16)

Deadline to submit award nominations
(see pages 17-18)

January 4, 2019

Hotel reservations due (hotel rooms
and discount rates cannot be
guaranteed after this date)

January 14, 2019

Deadline to pre-register
for conference

January 27, 2019

On-site registration opens

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Course Descriptions

MONDAY MORNING

January 28, 2019

Tying into Historical Documentation

NY CE: 4.0 LS/PE

Adolf H. Jonietz, PLS

8:00am – 12:30pm

This course will show attendees how to take the "Past" history (documentation and archive maps) and tie them to today's environment with the aid of an aerial overview, to help recover "old" physical evidence. This will give "history" a current record and can be used in the future when the "environment" continues to move forward covering the "past".

How to Write a Business Plan

NY CE: 1.5 LS/PE

William E. Beardslee, PLS, PE, PP

8:30am – 10:00am

Whether starting a new firm or trying to control an existing one, a solid business plan is the critical framework element. The plan will define the direction of the firm and the methodology for completing an intermediate or long-term goal, as well as dealing with consumers. This introductory course will create a sufficient understanding of a business plan for the attendee to contribute to the structure of a firm.

The Future of the State Plane Coordinate System

NY CE: 1.5 LS/PE

Daniel Martin

8:30am – 10:00am

The State Plane Coordinate System (SPCS) is being redefined as part of the transition from the North American Datum of 1983 to the Terrestrial Reference Frames of 2022. The presentation discusses proposed SPCS2022 policy and procedures, including technical characteristics and requirements; default designs (created by NGS in the absence of stakeholder input); "layered" zones (a single statewide zone plus a system of sub-zones); "special purpose" zones (providing coverage for areas that straddle two or more zones); and who, what, when, and how input used for defining SPCS2022 can be provided to NGS.

3D Building Rights & Air Rights

NY CE: 1.5 LS/PE

Joanne Darcy Crum, PLS, Esq.

8:30am – 10:00am

This course will cover an overview of Light & Air Laws & Easements and the impact of transferred development rights. The course will also include a case law review and discussion of seminal legal cases that help define Light and Air Easements.



Basic Survey Math

NY CE: N/A

Joseph V.R. Paiva, PhD, PS, PE

8:30am – 12:30pm

This course will cover some of the procedures in surveying that are solved with the basic three branches of mathematics: algebra, geometry and trigonometry. The course will provide reminders about what you may have learned such as how to solve for an unknown that appears on the right side of the equation (i.e. right of the equals sign). Examples on how to solve if that variable appears in the denominator, i.e. the lower part of a fraction to the right or left of the equals sign will be reviewed. The class will perform examples of work in surveying such as latitudes and departures, coordinates calculations and adjustments of various types, not just traverse adjustment. The emphasis is on re-learning or remembering principles you likely have been taught, and then performing such problem solving manually with only an approved calculator. Time permitting, we will cover how to analyze a problem statement, i.e. a word problem, and figure out how to write an equation that states the problem including the variable that represents the answer.

*Attendees must bring an NCEES approved calculator (see <https://ncees.org/exams/calculator/>)

Contract Law & Preparation

NY CE: 1.5 LS/PE

William E. Beardslee, PLS, PE, PP

10:30am – 12:00pm

Most design professionals engulf themselves with their technological needs. They need to have an understanding of the laws applicable to their profession and the laws relating to the contracts and proposals they sign. This course describes the elements of a basic contract for professional services and discusses the pitfalls created by not following these elements while considering consumer rights and needs.

Tides & Tidal Datums

NY CE: 1.5 LS/PE

J. Peter Borbas, PLS

10:30am – 12:00pm

In this program we will discover the various elements of tidal waters. We'll learn how to relate tide datums to geodetic datums and your survey project sites. These projects can be for the purpose of determining land ownership boundaries or providing transportation engineers and the maritime industry with authoritative data for commerce and safe operations.

Business Law

NY CE: N/A

Joanne Darcy Crum, PLS, Esq.

10:30am – 12:00pm

The course will review business entities and the requirements for establishing a surveying business. The course will also cover professional liability issues, coverage, and business succession planning.

MONDAY AFTERNOON

January 28, 2019

BIM for the Professional Land Surveyor

NY CE: 4.0 LS/PE

Greg A.M. Hale, PE

1:30pm – 6:00pm

Building Information Modeling (BIM) has become the prevalent practice for designing and constructing facilities across the world. While most believe this workflow is just another form of 3D modeling, we'll explore the reasons why it is so much more. The course will be broken down into four parts. The first section will take a look at the fundamentals of BIM and the broad range of application it can influence. The focus will be on what this means for the professional land surveyors and how this profession can become involved in the process beyond field measurement. The second part will focus on the intricacies of capturing as-built conditions of sites and buildings and how they are used for creating a building information mode (BIM). The third part will focus on the Associated General Contractors (AGC) introduction for the Level of Development (LOD) specifications to articulate the content and reliability of BIMs at various stages of the project. The US Institute of Building Documentation (USIBD) also introduced





TECHNICIAN'S TRACK

the Level of Accuracy (LOA) documents to specify the accuracy for building documentation services. These two sets of documents work concurrently to help standardize the exceptions between parties for scanning and BIM creation. We will explain how these documents can be used in professional practice. Finally, we will look at how BIM extends far beyond 3D coordination and design. Construction teams are starting to utilize more automated methods of equipment layout and verification and facility owners are becoming more sophisticated with how they are utilizing BIMs. We will look at these workflows and identify opportunities to become part of this ecosystem.

Highway Law, Part 1

NY CE: 4.0 LS/PE

Laura E. Ayers, Esq.

1:30pm – 6:00pm

An overview of New York State Highway Law and related case law with respect to the establishment of highways. Topics to be addressed include: the current and former legislative, statutory and common law schemes to create public and private highways in New York State with particular emphasis on Section 300 et seq. of the highway law regarding the private condemnation of land for access to landlocked properties.



Dendrology for Land Surveyors

NY CE: 4.0 LS/PE

Michael H. Webb, PLS

1:30pm – 6:00pm

Dendrology is the study of trees and woody plants. This course is directed toward the skill of identifying different tree species that the New York State Land Surveyor would come into contact with in the course of preparing a survey. Whether locating a specific tree or stump referred to in an old boundary description to identifying a tree at a boundary corner for a new description, tree identification is an important skill for the professional surveyor. Can't tell the difference between a red and white oak, a red or sugar maple or a white and black walnut? This is the course for you. Taxonomy will also be discussed. Knowing the Latin/Greek names of various common tree species is helpful information to pass on to Architects, particularly LandScape Architects for both new and existing development. At the end of the course, test your new-found knowledge with a self-grading test of various examples of leaves, twigs and bark.

What is the Technician's Track?

An education track specifically designed to address the needs of pre-licensed surveying employees. It is designed for party chiefs, field crew, rod persons, students and other surveying staff specialists who demonstrate the following:

- commitment to the land surveying profession;
- willing to go "above and beyond" in their current position;
- have one to five years of experience in surveying techniques or currently enrolled in a college level surveying program;
- willing to be change agents and risk takers in their company; and,
- open to examining their current thinking and the status quo.

This specialized series of classes creates a learning experience where participants explore key concepts and gain greater self-awareness of their own professional advancement strategies.

Working with other future leaders, attendees build a strong community of fellow peers, explore new roles for survey leaders, identify ways to better manage work responsibilities, and enhance their commitment and motivation as a surveying professional.

Is there a registration fee?

Discounted registration is offered for the Technician's sessions. You can attend the specialized Technician education track Monday through Wednesday. You may also visit the exhibition hall, featuring the largest gathering of surveying suppliers and manufacturers in the Northeast.

Who should attend?

Surveying field crew staff and those striving to obtain experience necessary to obtain a license. College and University students are encouraged to attend as these programs will provide a "real world perspective" on job opportunities and experience needed to become a licensed land surveyor.

Presenting Your Project – The Do's and Don'ts for Surveyors

NY CE: N/A

J.R. Lemuel Morrison, PLS

2:00pm – 3:30pm

Preparing and giving presentations are necessary skills of any professional. Do it wrong and at best you bore your audience and sideline yourself and your agenda. Do it well and you will secure project stakeholders including members of the public, agencies and the end client. Surveyors have an esoteric, but interesting story to tell any audience. This course will cover issues specific to surveyors and will go over the basics: don't read your text, add lots of pictures, minimize text length, keep it simple and practice. We will also go over examples and discuss more advance styles and programs that can be used to explain the scope of your project.

Student Networking Learning Exchange Room

NY CE: N/A

2:00pm – 3:30pm

As part of student networking day, join us in our "learning exchange room" to further the networking experience between students and licensed professionals. This room will be reserved for professionals and students to relax over a cup of coffee, discuss their experiences in an informal setting and address questions the students may have regarding entering the workforce as a surveying professional. Or participants can use this time period to stroll the exhibit hall (licensees: this is a great way to acquaint students with your technical contacts at our tradeshow). Conference attendees who wish to participate in student day activities should sign-up on the conference registration form. More details on student networking day can be found on page 14.

Course Descriptions

Meeting Consumer Rights & Needs

NY CE: 1.5 LS/PE

William E. Beardslee, PLS, PE, PP

4:00pm – 5:30pm

It is the professional's ethical obligation to provide for the needs of the consumer. To accomplish that in the most efficient manner, knowing the needs of each consumer group they service is crucial for the professional to provide the required services in accordance with all consumer rights concerns. This short seminar will introduce the surveyor to the full cycle of rights review, needs evaluation, and implementation within the structure of licensing and consumer protection regulation.

Real World Perspectives Panel: Entering the Workforce

NY CE: N/A

Moderator: Richard C. Brooks, PLS

4:00pm – 5:30pm

Session includes a panel discussion focusing on the land surveying profession in New York State. The panel will include both licensed surveyors and a surveying student to discuss the future of land surveying in New York State. Students and mentors are encouraged to attend this session together.

TUESDAY MORNING

January 29, 2019

Highway Law, Part 2

NY CE: 4.0 LS/PE

Laura E. Ayers, Esq.

8:00am – 12:30pm

An overview of New York State Highway Law and related case law with respect to the regulation and discontinuance of highways. Topics to be addressed include: the width of public highways, the interest of the public in the highway and the discontinuance or abandonment of public highways with emphasis on significant recent case law updates. This seminar will also explore the interests of the adjoining landowners with respect to existing or former public highways, including but not limited to surface water diversion, access, sidewalks and gates.



Stonewalls: Past-Present-Future

NY CE: 4.0 LS/PE

Richard C. Brooks, PLS

8:00am – 12:30pm

Agricultural stonewalls, the grandest of all boundary line monumentation, had a distinct roll in forming New York's early landscape as well as its boundary location case law. This presentation will acquaint the attendee with geological and soil processes for the necessary annual harvest of stone out of the fields. The human interaction with these stones will be explored, looking at the walls placement, their juxtaposition and functions. Being able to identify the features of different types of walls will enable the surveyor to date them and track their evolution into a boundary fence. Tying these unique monuments to a boundary line location is not an automatic exercise. We will apply the Doctrine of Practical Location with acquiescence to a 1987 deed and follow that resulting case through the courts. The case law to be reviewed include: Kennedy v. Nimons, Appellate 3rd, (2014); Henry v Male Appellate 3rd (1999) and others. There is a modern ground swell of informed and aware citizens who are focused on the preservation of the stonewalls. The attendee will be introduced to some of the different local laws, zoning ordinances and Subdivision regulations that seek to protect these "land forms". We will discuss how to incorporate these regulation sand societal concerns into our design of subdivisions and site plans. We will review the role stone walls played in Downey Farms v Town of Cornwall Planning Board, Appellate 3rd, (2004).



Risk Management for Surveyors

NY CE: N/A

Gary R. Kent, PLS

8:30am – 10:00am

This course will help surveyors understand the realities of liability in their practice. The program will review liability that surveyors necessarily incur as part of their practice and how they can mitigate their exposure. Source of unnecessary surveyor liability will also be explored by exposing the things that surveyors inadvertently or unwisely do that increase their liability. In all cases, we will discuss steps that surveyors can take to eliminate or at least mitigate their exposure will be outlined.

Fundamentals of Photogrammetry for Surveyors

NY CE: 1.5 LS/PE

George Southard

8:30am – 10:00am

A brief review of the fundamental aspects of the science of photogrammetry. The purpose of this session is to familiarize survey professionals with the concepts used by photogrammetrists to create map products such as topographic and planimetric maps, orthophotos, 3D cityscape map and point cloud data of these map products. This discussion will also review the use of ground control points and the application of aero-triangulation in the georeferencing of photographic and LiDAR image sets.



Units of Measure

NY CE: 1.5 LS/PE

Scott R. Reeser, PLS

8:30am – 10:00am

This session will look at various units of measure. While the focus of the session will be aimed at units encountered by a surveyor in their work, we will discuss other various units. Session discussion will include how units of measure have developed in various periods of history.

Survey Reports

NY CE: 1.5 LS/PE

Scott R. Reeser, PLS

10:30am – 12:00pm

This session will provide an overview of a survey report. The typical parts of a survey report will be reviewed and discussed with the attendees. Reasons for the preparation of a survey report will be discussed as well as the future value of a well written report. The attendees will be asked to share their uses and opinions of survey reports. The session is geared to be presented to experienced surveyors as a refresher on survey reports. The attendees will be encouraged to discuss the usefulness of a report of survey and share their experiences with the group.

Course Descriptions

UAV Accuracy Assessment for Surveying

NY CE: 1.5 LS/PE

Benjamin H. Houston, PE

10:30am – 12:00pm

This course will use data from a test flight to demonstrate how to calculate geospatial data accuracy (both horizontal and vertical) for a typical drone flight. Concepts include defining “produced to” and “tested to” accuracy and calculating both Root Mean Square Error (RMSE) and 95% Confidence Interval statistics from NSSDA and ASPRS compliant reference data. The course will describe how to establish a test range and conduct accuracy testing operations and will review the primary components of error contributing to the error budget in drone mapping.

Introduction to Research

NY CE: 1.5 LS/PE

Michael H. Webb, PLS

10:30am – 12:00pm

The course begins by discussing the court structure and law libraries in the State of New York and various court decisions rank depending on the level. We will explain how court decisions are recorded and how to read and look up specific citations. How to look up court decisions by subject matter and how to use these court decisions. Finally, we will discuss a few important court cases and decisions that have an impact on the Land Surveying Profession.

TUESDAY AFTERNOON

January 29, 2019

What Services Will You Be Providing in 2025 and Beyond?

NY CE: Pending

William E. Beardslee, PLS, PE, PP

1:30pm – 4:30pm

Where have we been? Where are we now? But more importantly, where are we going? The advance of technology has opened the lens of the surveyor to clients and projects unimaginable 20 years ago. In this seminar the discussions will be on visualizing new venues and markets to expand the surveyors' scope of practice as we plunge further into the 21st century.

Easements and Rights of Way – Easements, Rights of Way and their Creation

NY CE: 4.0 LS/PE

Gary R. Kent, PLS

1:30pm – 6:00pm

This program is tailored to New York statutes and case law. It is designed to help surveyors understand the various types, elements and nature of easements – both written and unwritten. Many surveyors deal with writing and interpreting easements and rights of way virtually every day when performing boundary and Land Title Surveys, and when working for developers, utility companies and governmental entities. It is important that they are well-versed in what easements and rights of way are, how they differ from other similar instruments like licenses, and how they are created.

Becoming a Certified UAS (drone) Pilot

NY CE: N/A

George Southard

2:00pm – 3:30pm

This presentation is a detailed review of the steps needed to qualify for an FAA Remote Pilot Certificate (sometimes referred to as a drone pilot's license). Certification requires studying for and passing a knowledge test for remote pilots, filing an application for the Remote Pilot Certificate and getting security clearance through the TSA. The objective of this course is to help potential remote pilots negotiate through the many documents, regulations and study materials provided by the FAA.

Canal Boundary Retracement

NY CE: 1.5 LS/PE

James M. Vianna, PLS & Laura E. Ayers, Esq.

2:00pm – 3:30pm

For some surveyors, re-establishing the “Blue-Line” is an everyday occurrence. For many others, a canal survey may rarely or never be encountered. Spend an hour and half learning the legal authority for the creation of the canal system and how to accurately retrace these ancient boundaries today. Re-establishing the current and former boundary of the NYS canal system is typically a daunting task. Terms such as the “blue-line, red line, dashed red line, inner angle, Method A and Method B” are commonly encountered and need to be understood. Couple these unique terms with the difficulties in actually performing the field work (i.e. dense undergrowth, wetlands and the fact that many areas of the abandoned canal are filled in with 100+ years of refuse) presents today's surveyors with severe challenges. The objective of this course is to educate the attendee on legal aspects and what constitutes original evidence (i.e. “Blue Line” bolts, Barge Canal baseline monumentation etc.). These points were typically marked with unique and easily identifiable markers once you know what to look for.



= Technician's Track



Course Descriptions

Errors Analysis with Modern Survey Technology

NY CE: 1.5 LS/PE

Joseph V.R. Paiva, PhD, PS, PE

2:00pm – 3:30pm

How does (or does not) the automatic tilt axis error correction work in a total station? What is the impact if it doesn't work? And how do you check it? Just like surveying instruments from the past that were purely mechanical and optical, modern technology (including GNSS) has a new crop of error sources and types to name, understand and account for. In this course, we will quickly review things like the nature and types of error and how best to account for them in survey planning, execution, analysis and information reporting. This course helps surveyors to learn or re-learn errors analysis that reflects modern technology.

FAA Regulations for UAS (drone) Operations

NY CE: 1.5 LS/PE

George Southard

4:00pm – 5:30pm

With the implementation of 14CFR Part 107 – FAA regulations are in place allowing professionals from agriculture to land surveying and hundreds of others to use this exciting new tool in their work. This session will provide detailed information helping the Surveying and Mapping professionals safely and legally use their UAS as a survey tool.



Subsurface Utility Records

NY CE: 1.5 LS/PE

James S. Thew, PLS

4:00pm – 5:30pm

Architects and engineers are beginning to understand the value of obtaining accurate and comprehensive subsurface utility data during the design cycle of a project. As a result, the requirement for professional land surveyors to accurately depict the location of subsurface utility infrastructure has been steadily increasing over the previous 10 years.

One objective of this course is to provide resources for land surveyors to obtain utility mapping to enable a more thorough depiction of existing subsurface utilities at QL-C, and be able to qualify the accuracy of the utilities being depicted. This course will present a typical workflow of designating subsurface utilities at QL-C and QL-B (research, reconnaissance, surveying, and mapping) that surveyors can apply to their own practices. The American Society of Civil Engineers (ASCE) is developing a standard for recording and exchanging utility data that could offer opportunities for land surveyors to become the source for geospatially recording the location of newly installed utility infrastructure. A general discussion of future opportunities will be provided.

Introduction to CST

NY CE: N/A

Richard C. Brooks, PLS

4:00pm – 5:30pm

Whether you are an active Certified Survey Technician (CST), a technician who wants to be a step above your peers or a business owner looking for another competitive advantage to win a bid, this program will be of value to you. This awareness level presentation will introduce the attendee to the program history, the multiple career paths available to our technicians and the application process. Testing techniques will be explored and attendees are encouraged to bring a laptop to log into and explore various CST informational and training sites. Attendees will participate in a discussion of the return on investment a firm can expect by offering this program to their survey and office technicians.

"Surveying companies are gaining a competitive advantage by making CST Certification 'the new normal' expectation for their surveying technicians."

RICHARD BROOKS, CST COORDINATOR, NEW YORK
BROOKS AND BROOKS LAND SURVEYING



WEDNESDAY MORNING

January 30, 2019

Easements and Rights of Way – Characteristics, Termination and Reversionary Rights

NY CE: 4.0 LS/PE

Gary R. Kent, PLS

8:00am – 12:30pm

This program is tailored to New York statutes and case laws. It's designed to help surveyors understand the various types, elements and nature of easements – both written and unwritten. Many surveyors deal with writing and interpreting easements and rights of way virtually every day when performing boundary and Land Title Surveys, and when working for developers, utility companies and governmental entities. It is important that they be well-versed in what characteristics easements and rights of way have, and the many ways that they can be terminated or extinguished – both by written and unwritten means. When an easement or right of way is abandoned or vacated, understanding the concept of reversionary rights is critical as surveyors try to identify the related title. The treatment of abandoned railroads is particularly tricky topic, that becomes more so when a Rails-to-Trails is involved.

Ethics for the Geomatics Professional

NY CE: 4.0 LS/PE

Scott R. Reeser, PLS

8:00am – 12:30pm

Attendees will review published definitions of Professional Ethics, as well as cultivate a group definition. The Canons of Ethics published by the New York State Association of Professional Land Surveyors will be reviewed, as well as ethical codes from other surveying and engineering professional organizations. Ethical requirements of the New York State Department of Education as they relate to surveyors and other Geomatics Professionals will also be discussed. Discussion on the development of surveyor ethics will be discussed. This session is geared toward group participation, the presenter will encourage participation by all attendees in a manner that encourages thought and exchange of ideas.



= Technician's Track

Course Descriptions

Health & Safety for Surveyors

NY CE: 1.5 LS/PE

J. Steve Boddecker, PLS

8:30am – 10:00am

This course will bring to the forefront the health and safety issues surveyors face on a daily occurrence. We will identify the tools available to minimize dangers through the use of health & safety manuals, implementation and completion of job safety analysis forms, establishment of daily tailgate safety meetings, proper PPE, types, use & training and adoption of an overall safety culture.

DEC Land Acquisition and Available Land Records

NY CE: 1.5 LS/PE

Robert A. Morrell, PLS

8:30am – 10:00am

This course will provide insight into how the New York State Department of Environmental Conservation acquires land. It will provide an overview of DEC's acquisition and valuation process of both fee interest and conservation easements, including a review of warranty, bargain and sale, and quit claim deeds used and the roles of both the Office of Attorney Generals and State Comptroller. It will also touch on private sector participation and available land records at DEC.

How to Study and Prepare to Pass the LS Licensing Exam

NY CE: N/A

Joseph V.R. Paiva, PhD, PS, PE

8:30am – 10:00am

This course is intended for individuals who plan on taking the Land Surveying Licensing Examination. Participants will be given detailed information about the subject material covered on the exam, study techniques and processes, and key tips on taking the licensing exam. Various study guides and reference materials will be reviewed. Participants will be given the opportunity to ask specific questions regarding preparation for the exam and the testing process.

FEMA Elevation Certificate, the NFIP and Floodplain Management Perspective

NY CE: 1.5 LS/PE

Thomas Little, CFM

10:30am – 12:00pm

The National Flood Insurance Program (NFIP) was scheduled for reauthorization in September 2017 and there have been some short-term extensions as bills are proposed to continue to reform the program. This class will provide a summary of the current state of the NFIP and how it will influence the Surveying industry. Meanwhile, demand for elevation certificates has never been higher due to driving forces such as Biggert-Waters and the Homeowners Flood Insurance Affordability Acts that are reforming the current NFIP. This course will provide an in-depth look into how the New Elevation Certificate (FEMA form 086-0-33) is utilized by the insurance industry to rate a property's flood risk for NFIP Flood Insurance. In addition, it will explain how a local municipality uses the form to enforce their Floodplain Management Ordinance and check floodplain compliance. At the end of the course, participants will have a better understanding on how the elevation certificate should be completed, correctly, and more accurately, which will improve their residents flood insurance premiums and ensure a flood resilient structure is built. Case studies will be used to illustrate what flood loss preventive solutions are available and how to identify possible solutions using the elevation certificate that can dramatically lower an owner's NFIP premium. FEMA's Technical Bulletin 1 on Flood Opening Compliance will be reviewed along with International Code Council Construction Code and ASCE 24-14 standards.

NYS OGS Land Records

NY CE: 1.5 LS/PE

Bruce Davis & Ralph Hill, PLS

10:30am – 12:00pm

This course will provide basic insight into the history of the State of New York's Office of General Services. It also will provide an overview of the State's land records as the State's real property inventory. OGS management of map and deed records will also be discussed.

NYS Exam Application Preparation

NY CE: N/A

Joseph V.R. Paiva, PhD, PS, PE

10:30am – 12:00pm

Too many times, LS applicants are unsuccessful in having their applications accepted the first time. This course, for those who are willing, exposes them to ways of communication (reading, comprehension and writing, correspondence with mentors, employers, teachers, peers, licensing board) so their application is complete, legible, mistake-free and much more likely to make a good impression on the board. Attend this session and walk away with a better understanding of what is required when applying for licensure; the importance of good, clear and concise writing skills; and understand why reading instructions, seeking help and networking are all critical success factors.



Watch for updates at
www.nysapls.org

Additional program details will be revealed soon, such as:

VENDOR SHOWCASE PRESENTATIONS

Perfect for anyone looking to pick-up an extra CE hour while enjoying our tradeshow! This series of programs will feature shorter (1-hour) presentations given on our exhibit hall stage by our vendors. **See page 12 for more details.**

OUT-OF-STATE CE HOURS

We have applied to various surrounding states for land surveying continuing education hours. If you hold a license in another state, be sure to check out the latest updates to our CE hours posted on our website.

Speaker Biographies

Douglas L. Aaberg, PLS

Mr. Aaberg is the Carlson Software Survey Product Manager and is a licensed Professional Land Surveyor in the states of Massachusetts and Colorado.

Mr. Aaberg has been in the Land Surveying/Civil Engineering business his entire career which began in 1977. He has been using Carlson Software exclusively since 1998 and has become an expert in applying the constantly expanding world of Carlson's programming to the everyday "work flow" of land surveyors and engineers. After enjoying life as a 15 year owner of his own company, he now joins the Carlson SW Team as the Survey Product Manager and will be sharing experience and knowledge to assist in ensuring that Carlson continues to be the leading software available for land surveyors and engineers.

Laura E. Ayers, Esq

New York Attorney Laura E. Ayers focuses her law practice on real property. Actively at the helm of her own law firm since 2010, Laura has over thirteen years of experience dealing with the special issues that arise in complex real property disputes and is often retained as special counsel to municipalities or as an expert witness. Laura is a frequent lecturer on various real property topics including, the Highway Law, Easement Law, and Boundary Line Disputes for the New York State Bar Association, among others.

William E. Beardslee, PLS, PE, PP

Bill Beardslee is a licensed professional land surveyor, engineer and planner with over 45 years' experience in the field of land development. He is known for his excellent presentation and writing capabilities, along with being one of the leading technical experts on land development in the engineering and surveying arena. Bill has made over 2,000 presentations on engineering and surveying projects to local and state agencies. Prior to his retirement, he was the owner and Director of Engineering for Beardslee Engineering Associates in Sparta, NJ. Bill holds a Bachelor of Science in Civil Engineering from New Jersey Institute of Technology and a Master of Arts Degree in Corporate & Organizational Communications from Fairleigh Dickinson University. Now retired in North Carolina, he stays active in business development for Davis-Martin-Powell in High Point, NC.

Richard C. Brooks, PLS

Richard Brooks, PLS is the Vice President of Brooks and Brooks, P.C., Land Surveyors and Land Planners. Licensed as a Land Surveyor in 1984, he started his land surveying career in 1974 and is a third generation surveyor. His firm routinely represents residential and commercial clients in front of municipal boards in a five county region in the Mid-Hudson Valley and Catskill Mountain Region. Mr. Brooks is a past president and current member of the Mid-Hudson Valley Land Surveyors Association, a member of; NYSAPLS, VSLs, NSPS, NYS GIS Association and the Surveyors Historical Society.

J. Steve Boddecker, PLS

Steve Boddecker is Fisher Associates PE, LS, LA, DPC's Vice President and Director of Geomatics where he provides leadership and strategic directions to our land surveyors and GIS teams. He is also the Principal who oversees health and safety in the firm. Located in Fisher's Buffalo office, Steve spends much of his time in Fisher's other four offices as he works with his team to further their goals. With more than 39 years of experience in surveying, his projects have spanned all three of the company's market sectors, Transportation, Energy and Land Development Sectors, including highway related survey and mapping; gas; wind and electric utilities; and large scale boundary and topographic surveys. Steve has served the professional societies both regionally and state wide as President of the Niagara Frontier Land Surveyors Association twice, 1997 and 2004, and currently serves as Treasurer. Steve was also President of the New York State Association of Professional Land Surveyors from 2012-2013, and he currently serves on the NYSAPLS Finance, Nomination & Awards, and Legislative Committees. He is also the Chairman of the NYSAPLS Political Action Committee. Outside of the professional world, Steve serves on the Buffalo-Niagara Diabetes Association Tour de Cure Committee.

J. Peter Borbas, PLS

J. Peter Borbas, PLS is a licensed surveyor in NY and NJ since 1986. He is the owner/president of Borbas Surveying & Mapping, LLC in Boonton, NJ. With more than 35 years in the industry, it's not surprising that Peter is nationally regarded as an expert in his field. In 2003, Peter was voted Surveyor of the Year by New Jersey Society of Professional Land Surveyors in recognition of his leadership efforts. Mr. Borbas also serves on several committees including the Paul Smith's College Surveying Advisory Board and the New Jersey Institute of Technology Surveying Advisory Board. He is currently the chair of the GIS/LIS Committee of the New Jersey Society of Professional Land Surveyors and is Past President of the Geographic and Land Information Society.

Joanne Darcy Crum, PLS, Esq

Joanne Darcy Crum is an attorney and a professional land surveyor with over 25 years of business experience. She is a former member and Chair of the New York State Board for Engineering and Land Surveying and Vice President of the Northeast Zone of the National Council of Examiners for Engineering and Surveying (NCEES) where she also served as the Chair of the Examination for Professional Surveyors Committee. Her practice is focused on title review, land development, easements and boundary disputes, professional discipline for design professionals, municipal law, planning and zoning law, and small business issues including formation of business entities, business succession and MWDBE certification.

Bruce Davis

Bruce Davis has 36 years of State experience working at NYSOGS, NYSTA and NYSDOT (Canals). He has experience in the areas of property acquisition, property management and property disposal. Currently, Mr. Davis is serving in the capacity of the Director of the Bureau of Land Management, Real Estate Services Division, and Real Estate Center.

Greg A.M. Hale, PE

Greg A.M. Hale has been disrupting the AECO industry for the last 18 years with a background in construction management, structural engineering, BIM management and technology consulting. His focus for the last 11 years has been on the implementation of design technology into design and construction practices. He holds a B.S. in Civil Engineering with a focus on Structural Building Design from University of Nevada Reno. Greg believes the progress is made by leading by example and education. He is the co-founder and CTO at HALE Technology in Practice and founder of the Western New York AEC Technology Group. Outside of work and teaching, Greg enjoys spending time outdoors with his family hiking, camping, snowboarding and exploring. He has traveled to Haiti a number of times to provide engineering consultation and design services to the Haiti Providence University in Balan, Haiti.

Ralph Hill, PLS

Ralph Hill, PLS, holds the title of Public Lands Surveyor Examiner for the New York State Office of General Services, Bureau of Land Management. A licensed Land Surveyor since 2005, Mr. Hill has over 27 years of experience in the surveying field. Mr. Hill graduated from Paul Smith's College in 1989 with an A.A.S. degree in Land Surveying and is a current member of NYSAPLS and ENYSLS and sits on the ENYSLS Board of Directors. He currently resides in the Town of North Greenbush, Rensselaer County with his wife Pamela and son Patrick.

Benjamin H. Houston, PE

Ben Houston has over 25 years of experience with mapping technologies ranging from military applications to environmental conservation and public works. A licensed professional engineer in NY, Ben has a broad background in public health engineering, utilities infrastructure, and storm water management. His focus the past 10 years has been using airborne LiDAR data for topographic mapping and raster based terrain analysis. He is co-founder of several geospatial consulting companies and currently an adjunct professor of GIS at the Bard Center for Environmental Policy.

Michael Hyman

Mr. Hyman is the Regional Director at Carlson Software Inc. for NY and PA. At Carlson SW Mike is focused on the Land Survey, Civil Engineering, and Construction market segments. Mr. Hyman is a 1991 graduate from Alfred State College with an A.A.S. in Land Surveying. Additionally, his responsibilities continually got him involved in working with Land Surveying technology for both the field and the office. Now at Carlson Software Inc. Mr. Hyman is involved at many levels in the Land Surveying, Civil Engineering, and Construction industries where he lectures, supports, and presents innovative solutions to the industry related to Carlson Software products and services.

Speaker Biographies

Adolf H. Jonietz, PLS

Adolf Jonietz has worked in the surveying field since 1987. In 2005, he became a licensed land surveyor with NYS and in 2010 he joined the NYC Department of Environmental Protection in the East-of-Hudson (Highland Region) watershed. He is presently the Land Surveying Supervisor overseeing approximately 35,000 acres in Dutchess, Putnam, and Westchester counties. He is also an adjunct professor for Dutchess Community College, teaching an introductory class on surveying. Some of his previous high-profile projects include: "Monitoring at Ground Zero" on September 12th 2001, for the next 6 weeks and two other projects that have been published in national surveying magazines. The first was monitoring a construction site in Queens, near Shea Stadium, using a robot instrument continuously running 24 hours a day, 7 days a week via the internet for communication and data transfers. The other project was "Walkway Over the Hudson" which with the use of NYSNet CORS tied to a GPS Rover unit allowed immediate horizontal and vertical datum for the engineers to compare old drawing plans to current conditions.

Gary R. Kent, PLS

Gary Kent is in his 36th year with The Schneider Corporation, a surveying, GIS and consulting engineering firm based in Indianapolis, and with offices in North Carolina, Florida, Texas and Iowa. He has been chairman of both the ALTA and NSPS committees on the ALTA/ACSM (now NSPS) Standards since 1995. Gary is a past-president of both the American Congress on Surveying and Mapping and the Indiana Society of Professional Land Surveyors, and from 1999-2006 taught boundary law, legal descriptions, property surveying and land survey systems for Purdue University in Indianapolis. He has served on the Indiana State Board of Registration for Professional Surveyors since 2004 and is frequently called as an expert witness in cases involving boundaries, title, easements and land surveying practice. Gary has presented programs on survey and title related topics and leadership in all 50 state and three times in Europe. He writes a column for *The American Surveyor* magazine and contributes to *NSPS News and Views*.

Thomas Little, CFM

Thomas Little is a Certified Floodplain Manager and Licensed Insurance Broker. Since 2004, he has studied the science of flood mitigation with a concentration on wet and dry flood-proofing techniques and their ability to not only protect structures against the devastating effects of flood waters, but also how these systems and approaches can reduce flood insurance costs for property owners. Along with coordinating and providing technical CEU training pertaining to floodplain management techniques, Tom manages a team of technical field representatives who provide the same training courses in over 30 states. Tom is currently the Vice President at Smart Vent Products, Inc. and the Flood Risk Evaluator a division of Smart Vent. In 2014, Tom co-founded the Risk Reduction Plus Group, which is an Insurance Agency that specializes in NFIP Flood Insurance and Private Flood options.

Daniel J. Martin

Dan Martin works for the National Geodetic Survey and has been the Northeast Regional Geodetic Advisor since May of 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 a 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 Geodetic Advisor. Dan is 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.

Robert A. Morrell, PLS

Robert Morrell, PLS worked in the private sector for Paul Hite in Delmar, NY from 1985-1994. In 1994, he joined the New York State Department of Environmental Conservation, where he served as an Assistant Land Surveyor 2, Assistant Land Surveyor 3, Land Surveyor, and Senior Land Surveyor. Mr. Morrell currently serves as the Assistant Superintendent of the Bureau of Real Property.

J.R. Lemuel Morrison, PLS

Lemuel Morrison, PLS is a Director of Surveying at NV5. He is licensed land surveyor in NY and 7 other states. He holds a BS in Land Surveying from the Ohio State University and an MBA from the Zicklin School of Business at Baruch College. Lem is also an adjunct assistant professor at the NYC College of Technology (CUNY) in the Department of Construction Management and Civil Engineering. He teaches land surveying and 3D scanning. He currently resides in Manhattan with his wife and daughter.

Joseph V.R. Paiva, PhD, PS, PE

Joseph V. R. Paiva is principal and CEO of GeoLearn, LLC, an online provider of professional and technical education. Dr. Paiva also continues to serve as a consultant in the field of geomatics and general business, particularly to international developers, manufacturers and distributors of instrumentation and other geomatics tools. His special areas of interest include interface development and design for software and hardware, errors analysis and survey instrumentation of all types. He is a Registered Professional Engineer, Registered Land Surveyor, was a NSPS representative to ABET, serving as a program evaluator and is retired as team chair on accreditation visits to surveying programs, and has more than 30 years' experience working in civil engineering, surveying and mapping. In August 2017, he became the president of the Surveying and Geomatics Educators Society (SaGES).

Scott R. Reeser, PLS

Scott R. Reeser, has almost over 30 years of experience in surveying and design. Mr. Reeser is a graduate of the Penn State University Surveying Program, holding an Associate's Degree in Surveying Technology. He has been a licensed Professional Land Surveyor in PA since 2008, and also holds surveying licenses in NY, WV, and CO. He is a member of the Pennsylvania Society of Professional Land Surveyors, where he serves on the Executive Committee and Education Committee. He is currently serving the Society as the President.

Harold Schultz, PLS

Harry Schultz, a licensed professional land surveyor, is the Geospatial Consulting Manager at Waypoint Technology Group which is an authorized Trimble dealer serving NY, NJ & all of New England. Mr. Schultz is a Paul Smith graduate and became a licensed land surveyor in 2009. He has been using Trimble hardware & software almost exclusively since the late 90's and became a certified survey trainer for Trimble in 2011. In his spare time he enjoys skiing, mountain biking and horseback riding.

George Southard

Mr. Southard's professional career in the photogrammetry profession began in 1977. He has served in numerous positions in the geospatial profession, including: Director of Business Operations at Analytical Surveys, International Sales Manager at Leica Geosystems, Director of Programs for Trimble, Inc. In 2012, George founded GSKS Associates LLC a private consulting firm specializing in advocacy and education in the geospatial profession. He has more than ten years of experience working as an advocate for the survey and mapping profession in the FAA rule making process. George has a Master's Degree in Geography with emphasis in cartography and photogrammetry from Brigham Young University.

James S. Thew, PLS

Jim Thew is a Professional Land Surveyor and Principal of Thew Associates PE-LS, PLLC and Subsurface Utility Imaging, LLC. He performed his first QL-B subsurface utility investigation in 1992 and has been performing subsurface utility investigations since. He has previously presented courses on Subsurface Utility Engineering to the National Society of Professional Engineers and several local ASCE Chapters. He is a 1991 graduate from the University of Maine with a Bachelors of Science in Surveying Engineering.

James M. Vianna, PLS

Mr. Vianna is a licensed Land Surveyor residing and practicing in Stillwater, NY. Jim has been apprenticing in the art and science of Land Surveying for 32 years with the past 18 years as owner/operator of a sole proprietorship land surveying firm. Mr. Vianna is an active member of the Eastern New York Society of Land Surveyor, currently serving on their Board of Directors. Mr. Vianna is also a Director of the Surveyors Historical Society and was Committee Chair for the 2016 Surveyors Historical Rendezvous held in Lake George, NY. Mr. Vianna is also a member of the Colvin Crew.

Michael H. Webb, PLS

Mr. Webb is an instructor at SUNY ESF The Ranger School where he teaches primary land surveying courses since 2001. He lives on 108 acres in northern New York State and is a member of the Northern New York Forest Owners Association and practices forestry on his tree farm.

Special Weekend Learning Lab

NEW program offered to registrants who check-in early on Sunday! LIMITED SEATING!
Open to all monumental conference registrants. First-come, first-served!



Subdivision Layout Concepts for Surveyors

January 27, 2019

4:30pm – 5:30pm

NY CE: 1.0 LS/PE

Presented by William E. Beardslee, PLS, PE, PP

To acquaint the professional with the concepts of subdivision layout which are to be used in the surveying and planning stages of a development, including regulatory compliance, client contact in accordance with the Consumer Protection requirements, and insuring that all the necessary survey data is accumulated.

Vendor Showcase Presentations

We've custom designed your educational experience... featuring programs offered inside the exhibit hall! Shorter demonstrations and presentations (1-hour or less) that you can visit in lieu of a longer formal class setting. (This also gives you a good excuse if you miss one of your scheduled classes!)

Seats are first-come, first-served and will be featured LIVE on the tradeshow stage. Join us by signing-in at the table near the stage in the exhibit hall prior to the program start time.

Tips and Tricks to Help Your Workflow with Carlson Software

NY CE: pending

January 28, 2019

2:00pm – 3:00pm

Presented by Michael Hyman & Doug Aaberg, PLS
Carlson Software

Students will gain a better understanding of some key 'Tips and Tricks' to help workflow with an industry leading software company. The information presented will help any company with those key options to help improve the day-to-day's activities in the map making process. A step-by-step approach will be presented demonstrating the features most asked about and trained on over the past few years by the Land Surveying market.

Using Trimble Business Center to Process Total Station Data

NY CE: pending

January 29, 2019

10:30am – 11:30am

Presented by Harry Schultz
Waypoint Technology Group

This course will introduce attendees to the tools and workflows within TBC for processing total station data. During this presentation we will demonstrate how easy it is to make edits to your survey data in TBC and show how this impacts the other points in your project. We will use TBC to create deed plots, rotate/translate points, send information to/from the field and apply adjustments to your data prior to export. Sometime will be left near the end of the course to demonstrate any other workflows the attendees may wish to experience.

Stay Tuned... more programs to be announced!



Auxiliary Program Schedule

Monday, January 28, 2019

- 9:30am – 10:15am.....Annual Breakfast
- 10:15am – 11:00am.....Annual Business Meeting
- 11:00am – 12:00pm.....Steal Bingo
- 12:00pm – 2:00pm.....Lunch in Exhibit Hall or Awards Luncheon
- 2:00pm – 4:00pm.....Guest Speaker, Saratoga National Park Visitor's Center
- 4:00pm – 5:30pm.....Refreshments and Bev's Craft
- 6:00pm – 8:00pm.....Welcome Reception in Exhibit Hall

Tuesday, January 29, 2019

- 8:00am – 8:45am.....Continental Breakfast
- 9:00am – 12:40pm.....Bus Tour

Tour Schedule:

- 8:45am – Board shuttle (Hilton Broadway entrance)
- 9:00am – Depart Saratoga Hilton
- 9:30am – Arrive/Visit Saratoga National Park Visitor's Center
- 10:30am – Board shuttle
- 10:45am – Depart Visitor's Center
- 10:50am – Drive through National Cemetery
- 11:00am – Depart National Cemetery
- 11:30am – Tour of Military Museum
- 12:30pm – Depart Military Museum
- 12:40pm – Drop off at Saratoga Hilton (Hilton Broadway entrance)



- 12:40pm – 2:00pm.....Lunch in Exhibit Hall
- 2:00pm – 3:30pm.....Florist Demo – Corsage making
- 3:30pm – 5:00pm.....Make centerpieces for Surveyors' Social
- 7:00pm – 10:00pm.....Surveyor's Social & Officer Celebration

Wednesday, January 30, 2019

- 9:00am – 11:00am.....Continental Breakfast

Exhibition 2019

Jump start your networking experience with the opening of our exhibit hall Monday morning. Visit with vendors from across the country as they showcase their products and unveil their newest releases. These key suppliers can help you address your business challenges and succeed in this rapidly changing field.

Exhibition Hours

Monday, January 28

11:00am – 4:30pm

6:00pm – 8:00pm

Tuesday, January 29

7:30am – 4:30pm

Wednesday, January 30

7:30am – 11:00am

Exhibit Hall Concessions

Attendee lunches and receptions will be featured inside the exhibit hall throughout Monday and Tuesday. You must have a pre-purchased ticket for admission to these events.

Dress Code

Attire at the annual conference is business casual. Feel free to be comfortable in slacks, polo shirts, sweaters, blazers, blouses, and most importantly, comfortable shoes! Suits, ties, nine-to-five dresses, and high heels are acceptable, but not required.

Special Events

NETWORKING DAY FOR STUDENTS & SURVEYORS

Monday, January 28

12:30pm – 5:30pm

Calling all licensees and students! Join us for an afternoon of networking designed to offer generations of surveying knowledge and “real world” experience to current students studying to join the profession. Please join us and donate a few hours of your time on Monday, January 28, to help mold the path of a future licensee.

On the opening day of the conference, students will have the opportunity to network with current licensees while enjoying lunch, attending the scholarship awards presentation, visiting the exhibits, and attending the “Real World Perspectives” panel session together.

The tentative schedule for the day is listed below:

Networking Schedule (Monday, January 28)

- 12:30pm – Meet and greet: Students and licensees will enjoy lunch and will be paired up with their mentor
- 12:45pm – Scholarship and Awards Luncheon
- 1:30pm – Free networking time: Use our lounge to discuss the field over a cup of coffee; or stroll our exhibit hall and introduce students to the latest technology and your personal vendor connections.
- 4:00pm – Attend the “Real World Perspectives” panel session, facilitated by Richard Brooks, LS.

To contribute and enhance your experience, the NYSAPLS Auxiliary has graciously offered to purchase Monday’s lunch tickets for students participating in this event. Lunch tickets are available to students who are pre-registered by January 14th.

To make this event successful, we are looking for both licensees and students to participate.

Please indicate your interest on the registration form on page 23 if you wish to participate.

SCHOLARSHIP AWARDS, NEW LICENSEE PRESENTATION AND PILLAR AWARDS

Monday, January 28

12:45pm – 1:30pm

Please join us for our annual awards ceremony. Included in the ceremony, the newest faces in the surveying community will be honored including college level scholarship awards, the new licensee presentation and the Pillars of Excellence awards. The NYSAPLS awards committee is currently seeking nominations for Meritorious Service; Surveyor of the Year; Associate of the Year; Lifetime Achievement; and Friend of the Association. Please nominate a deserving individual. The nomination form can be found on pages 17-18.

**VOLUNTEERS
NEEDED**



Special Events

*NO tux required!
Fun casual
night for all!*

WELCOME COCKTAIL RECEPTION

Monday, January 28

6:00pm – 9:00pm

Let us welcome you to our conference, as we meet up with the fabulous vendors in the exhibition hall for complimentary cocktails and light fare. This event is included with our monumental and auxiliary registration fees.



EXTRAORDINARY EXHIBITION EXPERIENCE

Our exhibition hall is the largest surveying vendor showcase in the northeast! You will not want to miss viewing the latest technology and offerings for your business. We've customized our schedule to offer longer lunch breaks and coffee breaks throughout the day to give you time to "stroll". Get reacquainted with old friends and visit with first-class vendors that offer superior products and services that are exclusive to the surveying profession.

YOUNG PROFESSIONALS & ALUMNI SOCIAL

Tuesday, January 29

5:30pm – 7:00pm

NEW

The Young Professionals Committee invites all conference attendees to join

Alfred State, SUNY ESF Ranger School and Paul Smith's graduates and current students at their first Young Professional & Alumni Social. Meet with current surveying students, past graduates and old classmates for cocktails and snacks. See NY's recent and aspiring surveyors, as well as possibly your next employee! The event will highlight some of the services NYSAPLS offers to its students and associate members, as well as messages from each of our collegiate partners.



THE SURVEYOR'S SOCIAL:

DINNER, DRINKS AND LIVE MUSIC!

Tuesday, January 29

7:00pm – 10:00pm

It's time to celebrate! Last year was a "hit" as we rocked the night away (see what we did there?). Therefore, at our president's request, we have once again transformed our traditional "gala" into a relaxed and casual cocktail reception & dinner, once again! Join us for a happy hour that keeps on going! Support our newest officers and simply enjoy the company of your peers while enjoying the delectable fare, cocktails, and live music. Our evening will include our annual live auction to benefit the Arthur D. Shaw Memorial Scholarship Fund. If you've never experienced this event, or haven't in a while, we encourage you to come join us for a night to remember.

Featured evening entertainment: Pat Gioia

Patrick Gioia - Acoustic singer, guitarist and songwriter. Pat plays an interesting variety of musical styles ranging from the 60's to today's current music. He can accommodate requests for certain musical genres depending on the audience. Pat has played for over 30 years in the Capital District area performing for weddings, private parties, restaurants, business establishments and church functions.



SILENT AUCTION TO BENEFIT THE SHAW SCHOLARSHIP FUND

Monday, January 28, 11:00am –

Tuesday, January 29, 4:30pm

Our scholarship auction has become a wonderful way to raise funds annually for the Shaw Fund. The Arthur D. Shaw Memorial Fund, Inc. was established in 1986 to encourage and promote land surveying education through scholarships, lectures, seminars and research. In its 30+ year history, the Shaw Fund has awarded more than \$90,000 in scholarships.

Be sure to check out an abundance of donated auction items, gift baskets, gift certificates (and much more) on display in the exhibit hall. The auction will be available Monday at the opening of our exhibit hall through Tuesday at 4:30pm. Be sure to bid... and check back often to be sure someone did not out-bid you!



"Surveyors Got Talent" Map Contest

NYSAPLS ENTRY FORM

**Submit one entry map in the following category:
Each submission will be for one entry in one category.**

\$100 prize
for our
Viewers Choice
winner*

- ☐ A. Lot Survey/CAD
- ☐ B. Topographic Survey/CAD
- ☐ C. Subdivision Plan/CAD
- ☐ D. Miscellaneous Maps (Free Hand, Leroy, CAD, Colored Road Maps, Planning Zoning/Land Use, Tax Maps, Site Plans, Civil 3D, 3D Laser Survey, "Anything Goes", etc. that is signed by PLS/PE/CLA)
- ☐ E. Hand Drawn Lot Survey
- ☐ F. Boundary and Topographic Survey
- ☐ G. ALTA/ACSM Survey
- ☐ H. North Arrow Contest [8 1/2 " x 12" Sheet Size]

**All above entries will also be entered in our overall "Viewers Choice" category.*

Contest Information

Contestant Name _____

Company _____

Address _____

City/State/Zip _____

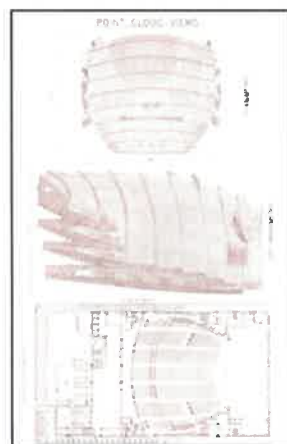
Home Phone _____

Business Phone _____

E-Mail _____

Title of Map Entry _____

Name/Address of Local Newspaper _____



☐ **Enclosed** is one rolled print* and one folded print* for the category entered and a check or money order in the amount of \$25 payable to NYSAPLS, Inc.; 146 Washington Avenue, Albany, NY 12210.

**Please be sure to list contestant name, title of map and submission category on back top right corner of each map.*

Regulations

1. Must be completed in calendar year 2018
2. Design details and engineering construction details will not be reviewed
3. Title blocks should not be blocked out
4. All maps must bear the name and seal of a licensed land surveyor, except category H
5. Entries shall be unmounted and rolled
6. Entries must indicate category and be accompanied by an official entry form and fee of \$25.00 per category
7. One entry is allowed per category, per individual or company
8. All entries will be displayed at the annual conference
9. Winning entries will be announced at the annual conference
10. Winners will receive an award certificate, recognition in the *Empire State Surveyor* and entered in the national map contest administered by NSPS
11. **Maps and fees must be postmarked by December 15, 2018.** Late entries will not be judged. Fees are not refundable
12. All decisions of the judges are final

Judging Criteria

A four person panel will review all entries based on the following:

1. Compliance with the Code of Practice as published by NYSAPLS, Inc., seventh revision, updated July 18, 1997
2. Originality: any unusual situation, depicted clearly, unusual techniques
3. Overall appearance: neatness, balance, consistency
4. Title: name well defined
5. Lettering: clear, unmistakable

Pillar Awards

Pillars of Excellence Awards



The annual conference gives us the unique opportunity to honor dedicated surveying professionals who have made a difference in the surveying community. Nominate someone today for one of the following distinguished awards:

1. NYSAPLS Meritorious Service Award:

Goal: NYSAPLS highest service award, established in 1989, given to NYSAPLS member who, over an extended period of time, has given exemplary service and dedication to the surveying profession and in particular NYSAPLS.

The nominee shall generally:

- Have exhibited outstanding service to NYSAPLS through active participation on committees and/or board of directors over an extended period of time.
- Have played an active role in his/her local regional affiliate over an extended period of time and must document such volunteer involvement in their letter of nomination.
- Have demonstrated service given to the surveying profession and/or the public that stands as a model of professionalism, dedication and commitment of moral conduct by a professional land surveyor.
- Have demonstrated willingness to serve NYSAPLS in a leadership position.
- Exhibited commitment to promoting membership in the association.
- Recipients do not have to be licensed land surveyors, but must have served the association and the profession continuously over an extended period of time.

2. Surveyor of the Year Award:

Goal: The NYSAPLS Surveyor of the Year award was created in 2007. It recognizes one professional land surveyor who has best supported and promoted the land surveying profession.

- Must be a licensed land surveyor.
- Service given to the surveying profession and/or the public that stands as a model of professionalism, dedication and commitment of moral conduct by a professional land surveyor.
- Demonstrated ability to enhance the land surveying profession by mentoring new surveyors, working with those in the profession who are pursuing a land surveying career, and/or emphasizing continuing education to upgrade the profession.

- Major involvement in the completion of a short term project or task that resulted in a positive asset to the association and/or profession, or to the public perception thereof.
- The committee has the right to review candidate's records of current or pending disciplinary actions.

3. NYSAPLS Associate of the Year Award:

Goal: NYSAPLS created this award to recognize and honor an associate member who has made significant contributions to the profession, their employer and/or the public. The NYSAPLS Associate of the Year award is given to an outstanding leader who demonstrates a deep commitment to professionalism and career advancement in the field of land surveying.

- Nominee must be an active Associate or Student member of NYSAPLS and be nominated by a NYSAPLS member or committee.
- The award is open to NYSAPLS student members currently enrolled in a land surveying curriculum, employed field crew, surveying office staff and employees of an educational institution.

4. Lifetime Achievement Award:

Goal: Awarded to an individual whose achievements in his or her career contributed to the advancement and recognition of the land surveying profession.

- Candidates are not required to hold an active registration, but must be licensed.
- Must be a current NYSAPLS member, or have been a member for at least 10 consecutive years.
- Demonstrated service given to the surveying profession and/or the public that stands as a model of professionalism, dedication and commitment of moral conduct by a professional land surveyor.

5. Friend of the Association Award:

Goal: Awarded to an individual or business that supports the land surveying profession through active involvement/affiliation with NYSAPLS. Possible candidates may include:

- Elected official who has helped shaped the direction and future of the land surveying profession.
- Sustaining member firm who has provided exceptional support and service to the land surveying profession.
- Educator who has served as a role model, mentor, and industry leader to future generations of the profession.
- Public member who has helped shaped the direction and future of the profession.

*Nomination form on next page

Pillars of Excellence Awards Program Nomination Form

Please check the appropriate category for this nomination. A separate nomination form must be used for each entry. You may photocopy this for additional entries.

- ☐ NYSAPLS Meritorious Service Award
- ☐ Surveyor of the Year Award
- ☐ NYSAPLS Associate of the Year Award
- ☐ Lifetime Achievement Award
- ☐ Friend of the Association Award

Contact Person (submitting nomination): _____

Regional: _____

Tel: _____ E-mail: _____

Address: _____

City: _____ State: _____ Zip: _____

Nominee Name: _____

Tel: _____ E-mail: _____

Address: _____

City: _____ State: _____ Zip: _____

Professional Experience: *Use additional paper if necessary*

Education and Training

School/College	Location	Year	Major	Degree

Surveying Industry Involvement: *Please describe briefly*

Awards, Scholarships, Academic Achievements: *Please list below*

Community Involvement

Local Regional Honors

CONTRACT

NYSAPLS 60th Annual Surveyors Conference & Exhibition
January 28-30, 2019 | Saratoga Springs City Center | Saratoga Springs, NY



EXHIBIT | SPONSOR | JOURNAL ADVERTISING

FIRM NAME: _____
CONTACT NAME/TITLE: _____
TYPE OF BUSINESS: _____
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
PHONE #: _____ FAX #: _____
EMAIL: _____ WEBSITE: _____
DATE: _____ SIGNATURE OF BUSINESS REPRESENTATIVE: _____

PLEASE DONATE TO OUR SCHOLARSHIP AUCTION & RAFFLE!

- ☐ YES! I will donate a gift
☐ I will donate funds for NYSAPLS to purchase a gift on my behalf \$ _____

*SPONSOR TOTAL: \$ _____

① EXHIBITOR FEES:

Early Bird (contract must be received by October 10th)

- ☐ Sustaining Member, \$950 for your first booth, \$375 each additional
☐ Non-Member, \$1250 for your first booth, \$450 each additional

After October 10th

- ☐ Sustaining Member, \$1250 for your first booth, \$400 each additional
☐ Non-Member, \$1550 for your first booth, \$475 each additional

Number of Booths: _____ Number of Representatives: _____
Additional Rep Fee (\$75 per person, over 2-reps per booth) \$ _____

*EXHIBIT TOTAL: \$ _____

EXHIBIT REPRESENTATIVES: (Print FULL names clearly – 2 per booth)

1. _____ 4. _____
2. _____ 5. _____
3. _____ 6. _____

② SPONSORSHIP OPPORTUNITIES:

- ☐ Welcome reception - Exclusive sponsor: \$2000
☐ Strolling luncheon (Wed. or Thurs.) - Exclusive sponsor: \$1500
☐ Attendee lanyards - Exclusive sponsor: \$1350
☐ Attendee giveaway - Exclusive sponsor: \$1200
☐ Registration tote bags - Exclusive sponsor: \$1100
☐ Attendee memo pads - Exclusive sponsor: Purchased by Sponsor
☐ Tuesday Surveyors Social Dinner - Exclusive sponsor: \$1000
☐ Tradeshow breakfast for attendees - Per day: \$1000
☐ Tradeshow stage & vendor presentation area - Exclusive sponsor: \$1000
☐ Scholarship luncheon - Exclusive sponsor: \$1000
☐ Student Lunch Ticket Sponsor: \$750
☐ Member lounge area in tradeshow - Exclusive sponsor: \$700
☐ Grand door prize - Exclusive sponsor: \$600
☐ Attendee pens or pencils - Exclusive sponsor: \$600
☐ Young Professionals Social Event: \$500
☐ Welcome reception door prize - Exclusive sponsor: \$500
☐ Tuesday Surveyors Social door prize - Exclusive sponsor: \$500
☐ Floral arrangements Tradeshow or Tuesday Dinner: Exclusive: \$500
☐ Pocket conference schedule for attendees - Exclusive sponsor: \$500
☐ Coffee break - Per day/per break: \$500
☐ Attendee badges - Exclusive sponsor: \$500
☐ General Attendee Bag Inserts - Per insert: \$500
☐ Tuesday Surveyors Social dinner programs - Exclusive sponsor: \$400
☐ Scholarship & new licensee presentation programs: \$400
☐ Floral arrangements for scholarship Luncheon - Exclusive sponsor: \$300
☐ Young Professionals door prize - Exclusive sponsor: \$250
☐ Friend of the Association - Per sponsor: \$150

③ JOURNAL & DIRECTORY ADVERTISING:

Rates:	Early Bird	After 10/10/18
<input type="checkbox"/> Full Page (8wx10h)	\$250.00	\$299.00
<input type="checkbox"/> 1/2 Page (4wx10h or 8wx5h)	\$175.00	\$215.00
<input type="checkbox"/> 1/4 Page (4wx5h or 8wx2.25h)	\$125.00	\$150.00
<input type="checkbox"/> Business Card	\$ 65.00	\$ 75.00
<input type="checkbox"/> Supporter Listing	\$ 35.00	\$ 50.00
<input type="checkbox"/> Inside front cover (8wx10h)	\$425.00	\$475.00
<input type="checkbox"/> Inside back cover (8wx10h)	\$425.00	\$475.00
<input type="checkbox"/> Outside back cover (8wx10h)	\$500.00	\$575.00

*JOURNAL TOTAL: \$ _____

Advertisement Submittal Info:

- ☐ Electronic file – black and white only
☐ Name of file: _____
☐ Program Used: _____
☐ Format: IBM or Mac
☐ Copy attached (camera ready)
☐ Sponsorship listing (no art or file attachment needed)
☐ Use the same ad as last year (attach copy)

Ads will not be accepted after November 30th

*AMOUNT ENCLOSED:

① Exhibit Total: \$ _____

② Sponsor Total: \$ _____

③ Journal Total: \$ _____

Auction Donation: \$ _____

Add Thurs Tix (\$75/ea) \$ _____

TOTAL ENCLOSED: \$ _____

PAYMENT METHOD:

☐ Check Enclosed (make payable to NYSAPLS)

Please Charge my: ☐ Visa ☐ MC ☐ AMEX

Acct#: _____ Exp: _____

Verification Code (3 or 4 digits): _____

Card Holder's Name: _____

Signature: _____

Please read contract carefully. Your signature on this contract binds you to the NYSAPLS tradeshow.

Please return contract with payment to:
NYSAPLS – 146 Washington Ave., 2nd Floor, Albany, NY 12210
QUESTIONS? CALL US! (518) 432-4046,
fax: (518) 432-4055 or email: info@nysapls.org

Early bird exhibit fees, sponsorships & journal ads must be submitted to NYSAPLS by Oct. 10. Journal ads will not be accepted after Nov. 30; payment must accompany ad. Exhibit and sponsorship contracts will be accepted, based on availability, until Dec. 31; payment must accompany contract.

1. EXHIBITOR REGISTRATION –

Fee includes the following:

- 8' x 10' carpeted booth* with 8' high draped backdrop and 3' high side rails, including 6' x 24" draped table with two folding chairs;
- I.D. sign on back drop (7" x 40");
- Welcome Cocktail Reception – 2 tickets per booth**
- Surveyor's Social – 2 tickets with 1st booth purchased only**
- Two continental breakfasts & two strolling lunches in Exhibit Hall – 2 tickets per booth, per meal/per day**
- Two tradeshow ONLY passes that can be used to invite clients and potential customers. (These passes are good for 1 day at the tradeshow only, and cannot be used for additional representatives at your booth. No meals.)
- Complimentary attendee mailing labels printed upon request.

*Electrical outlets must be purchased separately through Isaacs Nationwide Expo Services, Inc.

**Two representatives will be permitted per booth; an additional fee of \$75 will be charged for each additional representative which will include a ticket for admission to the Welcome Reception, continental breakfasts and strolling lunches in the exhibit hall. Thursday dinner must be purchased separately.

2. EXHIBIT SPACE - Special requests for space should be made on the official contract. Final location and selection of booth remains the right of the Committee. Booth assignment will be made after contracts have been paid in full. **Notification of booth assignment and the booth location diagram will be mailed on or around December 31.** Information regarding booth set-up, drayage, etc. will be provided once exhibit space is secured.

3. USE OF SPACE - Exhibitors are not permitted to sublet or divide space or display any items of any non-exhibitor without written approval from the Committee in advance. Distributing of advertising is limited to each booth. The back of the booth must not exceed eight feet (8') in height and not exceed four feet (4') in height on either side. Exhibits 8' high may not extend more than 3' from the booth backwall nor should they be more than 4' high in space from the backwall to the front of the booth. If in doubt, consult the Committee.

4. ELECTRICAL USE - Exhibitors shall make arrangements with Isaacs Nationwide for their electrical requirements. Ordering information will be forwarded approximately 6 weeks prior to the conference.

5. INSTALLATION OF EXHIBITS - The exhibit area at the meeting facility will be ready for occupancy from 3:00pm – 7:00pm on January 27 and 7:00am – 10:00am on January 28. Exhibitors are required to have booth setup completed by 10:00am on January 28.

6. REMOVAL OF EXHIBITS - No exhibit may be taken down during the show hours of the convention. Exhibitors are responsible for re-packing and shipping of their own exhibits.

7. LIMITATION OF LIABILITY - It is mutually agreed that NYSAPLS, Saratoga Springs City Center and Hilton Hotel shall not be liable to an exhibitor for any damage to infer the loss or destruction of an exhibit or the property of an exhibitor or injuries to his/her person or persons from any cause, all claims for any such loss, damage or injury, being waived expressly by exhibitor. It is expressly agreed that exhibitor will be liable for any and all injuries to any person or property which may occur as a result of any act or omission by the exhibitor or any one acting in behalf such area in a clean and orderly fashion. Any and all insurance for any such injuries must be purchased by exhibitor.

8. EXHIBITOR HOLD HARMLESS - Exhibitor hereby expressly agrees that it will defend indemnify and hold harmless NYSAPLS for any and all liability NYSAPLS may incur as a result of exhibitor's negligence or failure to conform to the terms of this contract

9. GENERAL POLICY - As a matter of general policy, NYSAPLS reserves the right to restrict exhibits which, because of noise, method of operation, materials, or any other reason become objectionable, and allow prohibiting or evicting any exhibit which in the Association's opinion may detract from the general character of any exhibit as a whole. This policy includes persons, things, conduct printed matter, or anything of a character which is determined to be objectionable to the exhibit. In the event of such restriction or eviction, NYSAPLS is NOT LIABLE for any refunds or rentals or other exhibit expense, for a liability loss of prestige to the company, business volume loss, expense of personnel to the conference, etc.

10. FIRE REGULATIONS - All materials used in the exhibit hall must be flame proof and conform to all Fire Department Regulations.

11. ACCEPTANCE - Upon acceptance of the application/contract by NYSAPLS, it shall be a legally binding contract between the exhibitor and NYSAPLS.

12. CANCELLATION OF EXHIBIT SPACE - Should exhibitor desire to cancel this contract, written notice shall be provided to NYSAPLS. In the event that notice of cancellation is received after December 15, 2018, exhibitor agrees to pay the full amount of exhibit fee, plus any additional expenses incurred by NYSAPLS payment by exhibitor of said amounts shall relieve exhibitor of any further obligations under this agreement. Should NYSAPLS desire to cancel this contractor be unable to provide exhibit space or perform this contract for any reason, written notice shall be provided to exhibitor. In the event of such cancellation, NYSAPLS agrees to refund exhibitor only the amounts paid by exhibitor to NYSAPLS for the exhibit fee. Payment by NYSAPLS of said amounts shall relieve NYSAPLS of any further obligation under this agreement. Exhibitor hereby agrees that any amounts expended by exhibitor in reliance, advancement or execution of this contract other than the exhibit fees noted in this paragraph, are solely the responsibility and obligation of exhibitor and in no instance shall NYSAPLS be responsible for any loss incurred by exhibitor resulting from cancellation of this contract. Exhibitor agrees that failure to adhere to the stipulations

stated herein on the decorum of a business exposition could result in the closing of an exhibit and cancellation of this contract by NYSAPLS with no refund of any amount to exhibitor.

13. SPONSORSHIP - As a sponsor, your company name and information will be listed on all NYSAPLS marketing brochures and the official NYSAPLS conference journal. In order to guarantee a listing in the journal, contracts must be received by November 30, 2018

14. CANCELLATION OF SPONSORSHIP - all sponsorships are final upon purchase, no refund will be issued for cancellation.

15. JOURNAL & MEMBERSHIP DIRECTORY ADVERTISING- To ensure the quality of your advertisement in the program book, please adhere to the following guidelines for submitting ads: No bleeds, we CANNOT use faxed, photocopied artwork or 72 DPI Web images. Acceptable file formats include: PDF, Photoshop, Quark, Illustrator, PageMaker, TIF, JPEG, and EPS. Media accepted: e-mail is preferred (please send electronic files to heather@nysapls.org). CD-ROM, Zip disks.
Note: include all elements for your ad, including fonts & images. Please be sure to include contact name, organization name, phone number, e-mail address & payment with your ad. If sending an email, disk or CD, please include a hardcopy print.

16. ADA ACCOMMODATION – In accordance with the Title III of the Americans with Disabilities Act, we invite all registrants to advise us of any disability and any requests for accommodation to that disability. Your request should be submitted as far as possible in advance of the program you wish to attend.

17. TENTATIVE TRADESHOW SCHEDULE – (Subject to change)

Sunday, January 27th
3:00pm – 7:00pm Exhibitor Move-in

Monday, January 28th
7:00am – 10:00am Exhibitor Move-in
11:00am – 4:30pm Exhibits Open
12:00pm – 2:00pm Strolling Lunch
5:30pm – 8:30pm Welcome Reception

Tuesday, January 29th
7:30am – 4:30pm Exhibits Open
7:30am – 9:30am Continental Breakfast
12:00pm – 2:00pm Strolling Lunch

Wednesday, January 30th
7:30am – 11:00am Exhibits Open
7:30am – 9:30am Continental Breakfast
11:00am – 2:00pm Exhibitors Breakdown

If you have questions, please contact us at:
NYSAPLS, Inc.
146 Washington Ave • Albany, NY 12210
Phone: (518) 432-4046 • Fax: (518) 432-4055
Email: info@nysapls.org
Website: www.nysapls.org

Hotel Information

Main Host Hotel:

Hilton Saratoga

Connected to Saratoga City Center
534 Broadway
Saratoga Springs, NY 12866

Discounted rates start at \$129 per night

Reserve by phone: (518) 584-4000

Reserve online:
<https://tinyurl.com/nysapls2019>

Please mention you are attending the NYS Association of Professional Land Surveyors conference to receive discounted rate.

Must reserve by January 4, 2019

Alternative Hotel Options:

Courtyard Marriott

Approximately 1/4 mile from conference center

11 Excelsior Ave
Saratoga Springs, NY 12866

Discounted rates start at \$119 per night

Reserve online:
<https://tinyurl.com/2019-marriott>

Must reserve by January 7, 2019

**Free dedicated shuttle available to/from conference center - provided all day **

Saratoga Arms

Boutique hotel within walking distance

497 Broadway
Saratoga Springs, NY 12866

Discounted rates start at \$139 per night

Reserve by phone 518-584-1775

Please mention you are attending the NYS Association of Professional Land Surveyors conference to receive discounted rate.

General Information

NYSAPLS Conference Cancellation Policy

Payment must be made in full upon registration. Purchase orders not accepted. Registrations cancelled 30 days or earlier will receive a full refund less a 10% processing fee. Registrations cancelled 15-29 days prior to the conference will receive a 50% refund. Registrations cancelled after January 12, 2019 will not receive a refund. Receipts will be provided promptly at time of registration if necessary. Schedules, presenters and programs subject to change without notice. Refunds will not be issued for cancellations due to inclement weather.

In accordance with Title III of the Americans with Disabilities Act, we invite all registrants to advise us of any disability and any requests for accommodations to that disability. If you have any questions, please call the NYSAPLS office at 518-432-4046.

Registration Information

For those traveling to the conference and not staying at the hotel, single day and half-day registration rates are available. Please see page 23 for a complete description of fees and package plans.

To ensure a quality educational experience is enjoyed by all participants, all sessions are subject to a maximum number of attendees. You must pre-register for courses you plan to attend during the conference when sending in your registration form and payment. Registrations will not be complete without program selections for each day of attendance. Changes may be made at the registration desk only and subject to space availability. Only one (1) course selection may be made for each time slot.

Registrations are welcome on the first day of the conference, but are subject to course availability and offered on a first-come, first-served basis. Advance registration is strongly recommended.

Pre-registrations will not be accepted at the NYSAPLS Headquarters office after January 14, 2019.

Only one (1) registration type permitted per attendee. Attendance requiring more than 1 day of educational sessions shall require a minimum of a 3-day registration.

Student Registrations

NYSAPLS will provide a complimentary registration to any student member (student membership \$10 application available on web at www.nysapls.org) currently enrolled in a surveying study program from a recognized New York State college. Student members who receive the complimentary registration understand that they will be available to participate at the conference under the direction of the conference committee.

Any college student who is not currently enrolled in a NYS college surveying program, or wishes not to participate as a volunteer as directed by the conference committee must submit a \$50 registration fee.

All student registrations will include admittance to educational sessions, handouts, exhibits, breakfast and breaks.

"A Career in Surveying" Networking Day for Students

Please indicate your interest on the registration form found on page 23 if you wish to participate. Event details can be found on page 14 or by calling NYSAPLS headquarters at 518-432-4046.

Attendee Giveaway

One item will be given to each monumental registration, 3-day education pass, 1-day education pass, half-day education pass and technician pass registration. One item per paid registration. Giveaways will not be given to auxiliary, students, tradeshow passes or exhibitor registrants.

Education Sessions

Monday, January 28, 2019

Time	Track 1 - Prof Development	Track 2 - Technical	Track 3 - Legal	Track 4 - Other	Technician's Track	Optional Exhibit Hall Programs
8:00am - 12:30pm	(012819-01) How to Write a Business Plan William E. Beardslee, PLS, PE, PP 8:30am-10:00am NY LSPE: 1.5; NH: 2.5; NJ: 1.5; VT: 1.5	(012819-03) Future of State Plane Coordinates Daniel Martin 8:30am-10:00am NY LSPE: 1.5; NH: 2.5; NJ: 2.5; NJ pending; VT: 1.5	(012819-05) 3D Building Rights & Air Rights Joanne Darcy Crum, PLS, Esq. 8:30am-10:00am NY LSPE: 1.5; NH: 2.5; NJ: 2.5; NJ pending; VT: 1.5	(012819-07) Tying into Historical Documentation Adolf H. Jonietz, PLS 8:00am-12:30pm NY LSPE: 0.0; NH: 1.0; NJ: 4.0; VT: 4.0	(012819-08) Basic Survey Math Joseph V.R. Paiva, PhD, PS, PE 8:30am-12:30pm NY LSPE: 0.0; NH: 0.0; NJ pending; VT: 4.0	No morning program Exhibits open at 11:30am
CE Hours: Room:	(012819-02) Contract Law & Preparation William E. Beardslee, PLS, PE, PP 10:30am-12:00pm NY LSPE: 1.5; NH: 2.5; NJ: 1.5; VT: 1.5	(012819-04) Tides & Tidal Decimals J. Peter Borbas, PLS 10:30am-12:00pm NY LSPE: 1.5; NH: 2.5; NJ: 2.5; NJ pending; VT: 1.5	(012819-06) Business Law Joanne Darcy Crum, PLS, Esq. 10:30am-12:00pm NY LSPE: 0.0; NH: 0.0; NJ pending; VT: 1.5	2-hour staggered lunch break		
1:30pm - 6:00pm	(012819-09) Presenting Your Project J.R. Lemuel Morrison, PLS 2:00pm-3:30pm NY LSPE: 0.0; NH: 0.0; NJ pending; VT: 1.5	(012819-11) BIM for the Professional Land Surveyor Greg A.M. Hale, PE 1:30pm-6:00pm NY LSPE: 4.0; NH: 1.0; NJ pending; VT: 4.0	(012819-12) Highway Law, Part 1 Laura E. Ayers, Esq. 1:30pm-6:00pm NY LSPE: 4.0; NH: 1.0; NJ pending; VT: 4.0	(012819-13) Student Networking - Learning Exchange 2:00pm-3:30pm n/a for CE hours 30 minute break (012819-14) Real World Perspectives Panel Richard C. Brooks, PLS 4:00pm-5:30pm n/a for CE hours	(012819-15) Dendrology for Land Surveyors Michael H. Webb, PLS 1:30pm-6:00pm NY LSPE: 4.0; NH: 1.0; NJ pending; VT: 4.0	Tips & Tricks with Carlson Software M. Hymen, D. Aubrey, PLS, Carlson 2:00pm - 3:00pm CE hours pending Exhibit Hall TBD Exhibit Hall
CE Hours: Room:	(012819-10) Meeting Consumer Rights & Needs William E. Beardslee, PLS, PE, PP 4:00pm-5:30pm NY LSPE: 1.5; NH: 2.5; NJ pending; VT: 1.5			Welcome Reception 6:00pm - 9:00pm (Exhibit hall closed at 5:30pm - 6:00pm)		

Tuesday, January 29, 2019

Time	Track 1 - Prof Development	Track 2 - Technical	Track 3 - Legal	Track 4 - Other	Technician's Track	Optional Exhibit Hall Programs
8:00am - 12:30pm	(012919-01) Risk Management for Surveyors Gary R. Kent, PLS 8:30am-10:00am NY LSPE: 0.0; NH: 0.0; NJ: 1.5; VT: 1.5	(012919-03) Fundamentals of Photogrammetry George Southard 8:30am-10:00am NY LSPE: 1.5; NH: 2.5; NJ: 1.5; VT: 1.5	(012919-05) Highway Law, Part 2 Laura E. Ayers, Esq. 8:00am-12:30pm NY LSPE: 4.0; NH: 1.0; NJ pending; VT: 4.0	(012919-06) Stonewalls: Past-Present-Future Richard C. Brooks, PLS 8:00am-12:30pm NY LSPE: 4.0; NH: 1.0; NJ: 4.0; VT: 4.0	(012919-07) Units of Measure Scott R. Reiser, PLS 8:30am-10:00am NY LSPE: 1.5; NH: 2.5; NJ pending; VT: 1.5	TBD Exhibit Hall
CE Hours: Room:	(012919-02) Survey Reports Scott R. Reiser, PLS 10:30am-12:00pm NY LSPE: 1.5; NH: 2.5; NJ pending; VT: 1.5	(012919-04) UAV Accuracy Assessment for Surveying Benjamin H. Houston, PE 10:30am-12:00pm NY LSPE: 1.5; NH: 2.5; NJ: 1.5; VT: 1.5	2-hour staggered lunch break	Education Summit 2:00pm - 4:00pm (012919-13) Conal Boundary Retracement James Varma, PLS & Laura Ayers, Esq. 2:00pm-3:30pm NY LSPE: 1.5; NH: 2.5; NJ pending; VT: 1.5	(012919-08) Introduction to Research Michael H. Webb, PLS 10:30am-12:00pm NY LSPE: 1.5; NH: 2.5; NJ pending; VT: 1.5	Using Trimble Business Center to Process Total Station Data P. Schurz, Waypoint Technology 10:30am - 11:00am CE hours pending Exhibit Hall
1:30pm - 6:00pm	(012919-03) What Services Will You Be Providing in 2025 and Beyond? William E. Beardslee, PLS, PE, PP 1:30pm-4:30pm CE hours pending	(012919-10) Becoming a Certified Drone Pilot George Southard 2:00pm-3:30pm NY LSPE: 0.0; NH: 0.0; NJ: 1.5; VT: 1.5	(012919-12) Easements and Rights of Way - Creation Gary R. Kent, PLS 1:30pm-6:00pm NY LSPE: 4.0; NH: 1.0; NJ: 4.0; VT: 4.0	Surveyor's Social 7:00pm - 10:00pm	30 minute break (012919-16) Introduction to CS7 Richard C. Brooks 4:00pm-5:30pm n/a for CE hours	TBD Exhibit Hall TBD Exhibit Hall
CE Hours: Room:		(012919-11) FAA Regulations for UAS (Drone) Operations George Southard 4:00pm-5:30pm NY LSPE: 1.5; NH: 2.5; NJ: 1.5; VT: 1.5	VP & Alumni Social 5:30pm - 7:00pm (Exhibit hall to close at 4:30pm)			

Wednesday, January 30, 2019

Time	Track 1 - Prof Development	Track 2 - Technical	Track 3 - Legal	Track 4 - Other	Technician's Track	Optional Exhibit Hall Programs
8:00am - 12:30pm	(013019-01) Health & Safety for Surveyors J. Steven Boddeker, PLS 8:30am-10:00am NY LSPE: 1.5; NH: 2.5; NJ: 1.5; VT: 1.5	(013019-03) DEC Land Acquisition and Available Land Records Robert A. Merrill, PLS 8:30am-10:00am NY LSPE: 1.5; NH: 2.5; NJ pending; VT: 1.5	(013019-05) Easements and Rights of Way - Characteristics, Termination and Reversionary Rights Gary R. Kent, PLS 8:00am-12:30pm NY LSPE: 4.0; NH: 1.0; NJ: 4.0; VT: 4.0	(013019-06) Ethics for the Geomatics Professional Scott R. Reiser, PLS 8:00am-12:30pm NY LSPE: 4.0; NH: 1.0; NJ pending; VT: 4.0	(013019-07) How to Study & Prepare to Pass the LS Licensing Exam Joseph V.R. Paiva, PhD, PS, PE 8:30am-10:00am n/a for CE hours 30 minute break (013019-08) RYS Exam Application Preparation Joseph V.R. Paiva, PhD, PS, PE 10:30am-12:00pm n/a for CE hours	No Exhibit Hall Programs Wednesday Morning
CE Hours: Room:	(013019-02) FEMA Elevation Certificates Thomas Lule, CFM 10:30am-12:00pm NY LSPE: 1.5; NH: 2.5; NJ: 1.5; VT: 1.5	(013019-04) OGS Land Records Course Bruce Davis & Ralph Hill, PLS 10:30am-12:00pm NY LSPE: 1.5; NH: 2.5; NJ pending; VT: 1.5				

Registration Form • Saratoga City Center & Hilton Hotel, Saratoga Springs, NY • January 28-30, 2019

Name (First, M, Last) _____
 Company/School _____
 Street Address _____
 This address is my : ☐ work ☐ home Work Phone _____
 First name as you wish it to appear on badge: _____

Email _____
Auxiliary Registrant Name (First, M, Last) _____
 City, State, Zip _____
 Home Phone _____ Cell _____

STEP 1 MEMBER DISCOUNTED PRICING Please choose ONE registration below.

OPTION #1: MONUMENTAL PACKAGE -- Best Value!
Includes exhibit hall entry, all education sessions, coffee breaks, Monday lunch and welcome reception, Tuesday breakfast and lunch, Wednesday breakfast. Tuesday dinner tickets sold separately.

Registration Class	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Licensed PLS/PE	\$455	\$600	\$
<input type="checkbox"/> Non-Licensed	\$395	\$455	\$

OPTION #2: 3-DAY EDUCATION PASS -- Includes exhibits, education and coffee breaks only

Registration Class	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Licensed PLS/PE	\$405	\$550	\$
<input type="checkbox"/> Non-Licensed	\$340	\$405	\$

OPTION #3: 1-DAY EDUCATION PASS -- Includes exhibits, education and coffee breaks for 1-day ONLY.

Circle a day	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Mon or Tues	\$240	\$365	\$

OPTION #4: HALF-DAY EDUCATION PASS -- Includes exhibits, education & coffee breaks for 1/2-day ONLY.

Circle a day	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Mon or Tues or Wed	\$185	\$235	\$

OPTION #5: TECHNICIAN'S PASS -- Includes exhibits and technician's tracks for 3-days, non-licensees only.

Registration Class	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Non-Licensed	\$210	\$265	\$

OPTION #6: TRADESHOW ONLY PASS - per day -- Includes admission to exhibits for one day

Circle a day	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Mon or Tues or Wed	\$50	\$65	\$

OR

STEP 1 NON-MEMBER PRICING Please choose ONE registration below.

OPTION #1: MONUMENTAL PACKAGE -- Best Value!
Includes exhibit hall entry, all education sessions, coffee breaks, Monday lunch and welcome reception, Tuesday breakfast and lunch, Wednesday breakfast. Tuesday dinner tickets sold separately.

Registration Class	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Licensed PLS/PE	\$785	\$925	\$
<input type="checkbox"/> Non-Licensed	\$550	\$615	\$

OPTION #2: 3-DAY EDUCATION PASS -- Includes exhibits, education and coffee breaks only

Registration Class	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Licensed PLS/PE	\$720	\$850	\$
<input type="checkbox"/> Non-Licensed	\$500	\$565	\$

OPTION #3: 1-DAY EDUCATION PASS -- Includes exhibits, education and coffee breaks for 1-day ONLY.

Circle a day	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Mon or Tues	\$410	\$510	\$

OPTION #4: HALF-DAY EDUCATION PASS -- Includes exhibits, education & coffee breaks for 1/2-day ONLY.

Circle a day	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Mon or Tues or Wed	\$310	\$365	\$

OPTION #5: TECHNICIAN'S PASS -- Includes exhibits and technician's tracks for 3-days, non-licensees only.

Registration Class	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Non-Licensed	\$265	\$320	\$

OPTION #6: TRADESHOW ONLY PASS - per day -- Includes admission to exhibits for one day

Circle a day	By 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Mon or Tues or Wed	\$75	\$85	\$

OR

STEP 1 STUDENT PRICING

OPTION #1: STUDENT PASS -- Includes exhibit hall and education for 3-days, NY approved colleges only.

Registration Class	Prior 12/10/18	After 12/10/18	Enter Total
<input type="checkbox"/> Student*	n/a	n/a	\$
<input type="checkbox"/> Non-Participating Fee*	\$50	\$50	\$

* Students, please see "general info" on page 21 in registration booklet for specific instructions.

STEP 2 - Add additional options, if you wish.

ADDITIONAL OPTIONS	Price	Qty	Total Amt
<input type="checkbox"/> Auxiliary Registration* (prior to 12/10/18)	\$215 ea.		
<input type="checkbox"/> Auxiliary Registration* (after to 12/10/18)	\$250 ea.		
<i>Auxiliary Registration includes Monday's annual meeting, breakfast, lunch & welcome reception, Tuesday's continental breakfast & luncheon, Wednesday's continental breakfast.</i>			
<input type="checkbox"/> Monday: Luncheon with Exhibitors	\$35 ea.		
<input type="checkbox"/> Monday: Welcome Reception with Exhibitors	\$60 ea.		
<input type="checkbox"/> Tuesday: Luncheon with Exhibitors	\$35 ea.		
<input type="checkbox"/> Tuesday: Surveyors Social Reception	\$75 ea.		

STEP 3 Please make your education program selections.

Monday, January 28

Morning Sessions

<input type="checkbox"/> 012819-01 (How to Write a Business Plan)	<input type="checkbox"/> 012819-06 (Business Law)
<input type="checkbox"/> 012819-02 (Contract Law & Preparation)	<input type="checkbox"/> 012819-07 (Tying into Historical Documentation)
<input type="checkbox"/> 012819-03 (Future of State Plane Coordinates)	<input type="checkbox"/> 012819-08 (Basic Survey Math) TECH
<input type="checkbox"/> 012819-04 (Tides & Tidal Datums)	<input type="checkbox"/> I do not plan to attend classes at this time
<input type="checkbox"/> 012819-05 (3D Building Rights/Air Rights)	

Afternoon Sessions

<input type="checkbox"/> 012819-09 (Presenting Your Project)	<input type="checkbox"/> 012819-13 (Student Networking Time)
<input type="checkbox"/> 012819-10 (Meeting Consumer Rights & Needs)	<input type="checkbox"/> 012819-14 (Real World Perspectives)
<input type="checkbox"/> 012819-11 (BIM Course)	<input type="checkbox"/> 012819-15 (Dendrology for Land Surveyors) TECH
<input type="checkbox"/> 012819-12 (Highway Law, Part 1)	<input type="checkbox"/> I do not plan to attend classes at this time

Tuesday, January 29

Morning Sessions

<input type="checkbox"/> 012919-01 (Risk Management for Surveyors)	<input type="checkbox"/> 012919-06 (Stonewalls: Past-Present-Future)
<input type="checkbox"/> 012919-02 (Survey Reports)	<input type="checkbox"/> 012919-07 (Units of Measure) TECH
<input type="checkbox"/> 012919-03 (Fundamentals of Photogrammetry)	<input type="checkbox"/> 012919-08 (Introduction to Research) TECH
<input type="checkbox"/> 012919-04 (UAV Accuracy Assessment for Surveying)	<input type="checkbox"/> I do not plan to attend classes at this time
<input type="checkbox"/> 012919-05 (Highway Law, Part 2)	

Afternoon Sessions

<input type="checkbox"/> 012919-09 (New Markets)	<input type="checkbox"/> 012919-14 (Subsurface Utility Records)
<input type="checkbox"/> 012919-10 (Becoming a Certified Drone Pilot)	<input type="checkbox"/> 012919-15 (Errors Analysis) TECH
<input type="checkbox"/> 012919-11 (FAA Regulations for UAS Operations)	<input type="checkbox"/> 012919-16 (CST Course) TECH
<input type="checkbox"/> 012919-12 (Easements, ROW and their Creation)	<input type="checkbox"/> I do not plan to attend classes at this time
<input type="checkbox"/> 012919-13 (Retracement Canal Course)	

Wednesday, January 30

Morning Sessions

<input type="checkbox"/> 013019-01 (Health & Safety for Surveyors)	<input type="checkbox"/> 013019-06 (Ethics for the Geomatics Professional)
<input type="checkbox"/> 013019-02 (FEMA Elevation Certificates)	<input type="checkbox"/> 013019-07 (How to Study/Prep for LS Exam) TECH
<input type="checkbox"/> 013019-03 (DEC Land Acquisition & Records)	<input type="checkbox"/> 013019-08 (NYS Exam Application Prep) TECH
<input type="checkbox"/> 013019-04 (OGS Land Records Course)	<input type="checkbox"/> I do not plan to attend classes at this time
<input type="checkbox"/> 013019-05 (Easements, ROW, Termination...)	

STEP 4 Please volunteer where you can.

<input type="checkbox"/> YES! I will assist with classroom sign-in (for the classes I registered for)
<input type="checkbox"/> YES! I will assist at the registration desk on: <input type="checkbox"/> Sun <input type="checkbox"/> Mon <input type="checkbox"/> Tues <input type="checkbox"/> Wed
<input type="checkbox"/> YES! I will participate in Student/Networking Day (see page 14 & page 21)

STEP 5 Please submit your payment information below.

PAYMENT INFORMATION	Total Enclosed:
<input type="checkbox"/> Check Enclosed - Payable to NYSAPLS, Inc.	Check #
<input type="checkbox"/> Please charge my: <input type="checkbox"/> Visa <input type="checkbox"/> MC <input type="checkbox"/> Amex <input type="checkbox"/> Disc	Exp Date:
Acct#:	Security Code:
Name on Card:	
Signature:	
Billing Address:	

PRE-REGISTRATIONS NOT ACCEPTED AFTER JANUARY 14, 2019.

Questions? Call (518) 432-4046, Fax (518) 432-4055, Email: Info@nysapls.org

Register ONLINE today at www.nysapls.org or send this form along with payment to NYSAPLS, 146 Washington Ave., Albany, NY 12210



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Land Surveyors Building
146 Washington Avenue, 2nd Floor
Albany, NY 12210

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The “Monumental” Registration Package

Enjoy all aspects of our annual conference for one low registration fee. No need to pick and choose what lunches or events to attend. Included with our Monumental Package, you'll receive access to ALL conference events*, including:

- Full 3-day all-access registration
- Access to exhibit hall and vendor presentation showcase
- Your choice of over 35 educational programs, with 20 NY CE hours available for land surveyors and professional engineers
- All coffee breaks and breakfasts in the exhibit hall for 3 days
- Monday's lunch with exhibitors and awards presentation
- NYSAPLS Welcome Reception on Monday evening, including open bar, light dinner fare and networking time with our vendors
- Tuesday's lunch with exhibitors

With prices starting at \$395, you'll enjoy a savings of over \$70!

**Tuesday dinner tickets sold separately.*