

Survey 2024
Conference & Expo
Wednesday - Thursday
November 13 & 14, 2024
Atlantic Sands Hotel & Conference Center Rehoboth Beach, DE

ABOUT THE CONFERENCE

Survey 2024 will be held at the Atlantic Sands Hotel & Conference Center in Rehoboth Beach, DE. The two-day conference will once again be filled with informative sessions, lunches and breaks, and a cocktail reception on Wednesday, all held in and around the Exhibit Hall.

Each class this year will be two hours, giving registrants 2 pdh credits per course.. The category listing, "Unlicensed Technician" will again be available for anyone in the surveying field, who is not licensed in any state and therefore will not require PDH credits. Attending two (2) of Jeff Lucas's legal-related sessions satisfies Maryland COMAR Regulation 09.13.08.03.

The conference opens at 7:30 am on Wednesday with a continental breakfast in the Exhibit Hall. The morning session begins promptly at 8:00 am and ends at noon. Lunch will be served from noon until 1:00 pm. The afternoon session begins at 1:00 pm and will conclude at 5:00 pm. There will be two breaks, one in the morning and one in the afternoon, held in the Exhibit Hall to provide registrants and exhibitors several chances to network. At the conclusion of the day on Wednesday, there will be a cocktail reception held in the Exhibit Hall.

Thursday begins again at 7:30 am with a continental breakfast in the Exhibit Hall. The format for the day is the same as Wednesday with the morning session beginning at 8:00 am and ending at noon, and the afternoon session beginning at 1:00 pm and ending at 5:00 pm. Lunch will be served at noon. The conference concludes with the end of the afternoon classes at 5:00 pm. Continuing Education Units (CEU) will be computed from signatures on sign-in sheets in each of the classrooms and certificates will be formulated from those sheets and mailed to the registrants.

Please pay close attention to the times of each class when filling out your registration form. Please fill out the registration form completely and legibly, with your name listed as you want it shown on the Conference Certificates. It is from this form that those certificates are generated. Make your check payable to "DAS" and mail the completed form and payment to DAS. Credit cards are also accepted by using the authorization form. Some classes will have limited seating and will be filled on a first come, first serve basis. Registration is not complete until full payment is received. With the mail system being slow, please email or fax me your registration form first if you are paying by check, then put everything in the mail. I will make every effort to get you in the classes you want so I'll need your registration form as soon as possible. Forms can also be emailed (desurveyors@gmail.com) or faxed (888-440-7624).

EXHIBITS, EXHIBITS, EXHIBITS

The Exhibit Hall will open at 7:30 am on Wednesday and will remain open all day. It will reopen on Thursday again at 7:30 am and will remain open through the afternoon. The Exhibit Hall will be the focal point of the conference to allow vendors and registrants the opportunity to network. The breaks will be held there on both days, as well as the cocktail reception on Wednesday. Be sure to take advantage of this gathering of exhibitors and their products. Visit with them as they explain and demonstrate the goods and services they provide. Without these vendors, the annual DAS conference would not be possible.

The DAS registration and information table will be located in this area as well. Lunches will be held in the Exhibit Hall.

SILENT AUCTION

DAS will once again hold a silent auction to benefit the Education Fund during the two days. Please bring an item to be included in this auction – everything is accepted and welcomed! Items in the past have included surveying equipment, liquor, food, electronics and more!

REFUND/CANCELLATION POLICY

Cancellations must be received on or before November 4, 2024 in order to receive a refund. A \$75.00 processing fee will be charged for any requested refunds.

HOTEL ACCOMMODATIONS

Overnight accommodations are the responsibility of the registrants and vendors. You can make reservations at **The Atlantic Sands** by calling 302-227-2511 or 800-422-0600. Reference Booking ID 11028 and the Delaware Association of Surveyors to receive the group rate by **October 5, 2024**. Cancellation policy is that of the hotel and not DAS, so be sure to ask about that policy if you think it might be a concern. The Atlantic Sands is located at 101 N. Boardwalk in Rehoboth Beach, DE. Many shops and restaurants are still open at this time on the Avenue and Boardwalk. For more information, contact the hotel directly. There are also a number of other hotels in the area.

CONFERENCE INFORMATION

Email: desurveyors@gmail.com
USPS Mail: 232 Landover Cir., Chapel Hill, NC 27516-8482
Phone/Text: 302-462-5293 *Fax:* 888-440-7624

CONFERENCE REGISTRATION

Atlantic Sands Hotel & Conference Center

November 13 & 14, 2024

Please print all information legibly and as you wish it to appear on your badge and where you want your certificate mailed.

Name: _____

Please Check:

Firm(if part of mailing address): _____

_____ DAS Member

Address: _____

_____ Non Member

_____ Unlicensed Technician

Phone: _____ Email: _____

| | Before 11/1 | After 11/1 |
|---------------------------------------|-------------|------------|
| _____ Member Registration - 2 day | \$ 380.00 | \$ 400.00 |
| _____ Non Member Registration - 2 day | \$ 555.00 | \$ 595.00 |
| _____ Unlicensed Technician – 2 day | \$ 215.00 | \$ 245.00 |
| _____ Member Registration - 1 day | \$ 280.00 | \$ 300.00 |
| _____ Non Member Registration - 1 day | \$ 380.00 | \$ 430.00 |
| _____ Unlicensed Technician – 1 day | \$ 140.00 | \$ 165.00 |

TOTAL ENCLOSED: \$ _____

COURSE SELECTIONS

Please pay close attention to **TIMES**. Classes are staggered throughout both sessions.
Each course is worth **2 CREDITS**. Detailed course descriptions are on a separate sheet.

WEDNESDAY MORNING SESSION

- _____ Water Boundaries 8:00-10:00
- _____ What Went Wrong? 10:00 - Noon
- _____ Flooding Overview, National Flood Insurance 8:00 – 10:00
- _____ NSRS Modernization 10:00 - Noon

WEDNESDAY AFTERNOON SESSION

- _____ Law of Easements 1:00-3:00
- _____ Rights of Way & Prescriptive Rights 3:00-5:00
- _____ Field to Finish 1:00 – 3:00
- _____ NAVD88 vs. NAPGD2022 3:00 – 5:00

THURSDAY MORNING SESSION

- _____ Boundary Dispute Resolution 8:00-10:00
- _____ Better Business Practices & The Law 10:00-Noon
- _____ Surface Modeling 8:00 – 10:00
- _____ Drones, Total Stations, 3D Scanning 10:00 – Noon

THURSDAY AFTERNOON SESSION

- _____ How to Make a Boundary Determination 1:00-3:00
- _____ Land Surveyor as Equity Judge 3:00-5:00
- _____ Ag Preservation & The Surveyor 1:00 – 3:00
- _____ Survey Conflicts in Delaware 3:00 – 5:00

Fill out this form entirely. If paying by check, please email or fax this form and THEN mail it with your check to:

DAS 232 Landover Circle Chapel Hill, NC 27516-8482

Questions – Email desurveyors@gmail.com Phone/Text 302-462-5293 FAX: 888-440-7624

Morning Sessions

WATER BOUNDARIES

Presented by Jeff Lucas

8:00 am – 10:00am

This course will cover the basic concepts behind water boundaries and how those concepts affect the private practice land surveyor. The history of water boundaries including issues affecting the identification and location of the boundary between the upland owner and submerged lands belonging to the sovereign, the common law and civil law rules with regard to water boundaries, the problems associated with the projection of upland boundaries into water bodies and the navigational servitude of the US and the state are among the topics discussed. OBJECTIVES: To enhance professional competency and improve practitioner's knowledge of the law as it relates to the practice of land surveying.

WHAT WENT WRONG

Presented by Jeff Lucas

10:00am - Noon

This course will investigate the answer to the question "What went wrong?" by a detailed study of relevant court decisions involving surveyors and surveys that went terribly wrong. Lessons learned by others through the school of hard knocks can be painlessly explored and appreciated without the accompanying liability and damages that attach to boundary disputes and negligence actions. These cases will be studied and discussed through a Power Point presentation. OBJECTIVES: To enhance professional competency and improve practitioner's knowledge of the law as it relates to the practice of land surveying.

FLOODING OVERVIEW, NATIONAL FLOOD INSURANCE

Presented by Katharyn Potter, DNREC

8:00am – 10:00am

Discussed will be Delaware's flood planning tool, including the new I-ADAPT tool, Letters of Map Change, Elevation Certificates, and the DNREC Building Line – "What is the 4-step process?"

NSRS MODERNIZATION

Presented by Charles Geoghegan, NOAA

10:00am – Noon

The presentation will provide an update on the fundamental improvements needed for industry and the user community and the preparative measures associated with the modernization of the National Spatial Reference System (NSRS). Scheduled for completion in 2025, the modernized NSRS will provide improved 3-dimensional positional accuracy **through time** for improved comparisons of diverse GIS data sets, development of parcel-based Land Information Systems and an array of other uses including precision navigation, intelligent transportation systems, etc. Discussion will include how modernization might impact current surveyor's day-to-day practice, and how the design and implementation of the new NSRS can implicitly improve surveyor's products. Some time will be spent on NGS online tools for accessing the NSRS and to assist with transitioning work-flow between datums.



Afternoon Sessions

LAW OF EASEMENTS

Presented by Jeff Lucas

1:00 pm – 3:00 pm

This course will examine real property rights, generally, and non-possessory interests created by easements will be examined specifically. The classifications and the manner in which easements are created will be studied. This will include a discussion of easements created by conveyance and easements created by other means (e.g. prescription, implication, etc.) Concepts that will be studied include dominant estate and servient estate; easement in gross and easement appurtenant; express easement and implied easement; and “running with the land.” OBJECTIVES: To enhance professional competency and improve practitioner’s knowledge of the law as it relates to the practice of land surveying.

RIGHTS OF WAY & PRESCRIPTIVE RIGHTS

Presented by Jeff Lucas

3:00 pm – 5:00 pm

In this course, real property rights will be examined, generally, and non-possessory interests created by rights-of-way and easements will be examined specifically. The classifications and the manner in which rights-of-way are created will be studied. Prescription and prescriptive rights, how they are obtained, what can be obtained, and the impact on real property rights will be examined through case studies from across the country. Applicable statutes of limitations, tacking, statutory requirements, defenses and remedies will be examined. The impact rights-of-way and prescriptive rights have on the surveyor and the surveyor’s practice will also be discussed. Several real-world cases that cover the fundamental issues of rights-of-way and prescriptive rights will be studied. OBJECTIVES: To enhance professional competency and improve practitioner’s knowledge of the law as it relates to the practice of land surveying.

FIELD TO FINISH

Presented by Jennifer DiBona

1:00 pm – 3:00 pm

This session will cover the many ways to use Carlson Field to Finish to save you time and money! We will start with the basics to sort points and symbols onto layers and then show you how to code in the field to generate 2D and 3D polylines in addition to points. If time permits, we will also demonstrate and discuss best practices for getting your current point files into Carlson in order to take advantage of Field to Finish.

NAVD88 vs NAPGD2022

Presented by Charles Geoghegan, NOAA

3:00pm – 5:00pm

Since our humble beginnings in 1807, NGS and her predecessors have relied on bench marks to access the official vertical control networks of the United States. The current vertical datum, the North American Vertical Datum of 1988 (NAVD88), will be replaced by a completely new vertical datum, with a twist. The North American and Pacific Geopotential Datum of 2022 (NAPGD2022) is a based on robust measurements of the Earth’s gravity field. It is geocentric (Earth centered) and aligned with the new terrestrial reference frame, also Earth centered. An important part of its package is a very precise geoid model (GEOID2022), bridging the gap between ellipsoidal heights and orthometric heights (elevations). This all new combination allows for accurate heights from GNSS. Accessing NAPGD2022 will now be as easy as processing GNSS data through NGS’s Online Positioning Users Service (OPUS) Projects 5.x and later.



Morning Sessions

BOUNDARY DISPUTE RESOLUTION

Presented by Jeff Lucas

8:00 am – 10:00am

“The typical modern-day surveyor sees himself as an expert evaluator of evidence. He strives to arrive at the same opinion of boundary location regardless of whether he was hired by his client or his client’s next-door neighbor.” (*What Every Lawyer Should Know about Title Surveys*.) This is actually a good description of the land surveyor’s role in society. When the surveyor successfully carries out this function, boundary disputes are rare. This session is about avoiding disputes before they happen. Case studies will be examined to focus on dispute resolution alternatives. OBJECTIVES: To enhance professional competency and improve practitioner’s knowledge of the law as it relates to the practice of land surveying.

BETTER BUSINESS PRACTICES & THE LAW

Presented by Jeff Lucas

10:00am - Noon

What do better business practices have to do with the law? Better business practices must be in harmony with the law that affects our practice as professional service providers (land surveyors, engineers, architects, etc.). The law that most affects us as professional service providers is property law, contracts, negligence, torts, the common law, administrative law, and statutory law. Ignorance of the law is no excuse for the average citizen and even more so for professional service providers. This course will focus on 10 Better Business Practices that you can implement immediately to bring your practice in harmony with the law. OBJECTIVES: To enhance professional competency and improve practitioner’s knowledge of the law as it relates to the practice of land surveying.

SURFACE MODELING IN CARLSON

Presented by Jennifer DiBona

8:00am – 10:00am

This introduction to surfaces will touch on the different approaches to building a surface model depending on whether you’re creating it from points, breaklines or a combination of both. We will spend some time demonstrating why breaklines are important components of building an accurate surface. As time permits, we will import publicly available surface data and show how to combine and export surfaces.

DRONES, TOTAL STATIONS, 3D SCANNING

Presented by Sr. Cpl. Ryan Albert

10:00am - Noon

In this session Senior Corporal Albert will discuss and explain the various ways the Delaware State Police uses Total Stations, UAV (drone) mapping and terrestrial LiDAR using the IIX4D and FARO 3D scanners. Senior Corporal Albert will explain the benefits of quickly and accurately collecting large amounts of accurate and verifiable data of collision and crime scenes. And explain the benefits of collecting data over a large area crime and/or collision scene before evidence is compromised. And the ability to reopen roads more rapidly to full traffic capacity.



Afternoon Sessions

HOW TO MAKE A BOUNDARY DETERMINATION

Presented by Jeff Lucas

1:00 pm – 3:00 pm

This course is a study of the relevant evidence standards, different types of evidence, the standard of care, and explores the process of rendering a well-reasoned opinion on the only question that is within the purview of the retracing surveyor – the location question. The importance of deeds and the role they have in boundary determination, the interpretation of deeds, finding intent, and how and when the boundary establishment doctrines come into play. The “Ultimate Issue Rule” will be discussed and its importance relative boundary determinations and liability. OBJECTIVES: To enhance professional competency and improve practitioner’s knowledge of the law as it relates to the practice of land surveying.

LAND SURVEYOR AS EQUITY JUDGE

Presented by Jeff Lucas

3:00 pm – 5:00 pm

In recent years notable surveyors have discussed the surveyor’s role as judge and jury when it comes to final boundary decisions. In this course we will take those discussions deeper to understand what they all were talking about and to shed light on the surveyor’s role as an equity judge. OBJECTIVES: To enhance professional competency and improve practitioner’s knowledge of the law as it relates to the practice of land surveying.

AG PRESERVATION & THE SURVEYOR

Presented by Donald Grower, PLS

1:00 pm – 3:00 pm

This course looks at Delaware’s Ag Preservation Program, including its history and function. Included will be discussions on surveys required for creating an Ag District, information on the uses of the property once in an Ag District and getting property out of an Ag District.

SURVEY CONFLICTS IN DELAWARE

Presented by Donald Grower, PLS

3:00 pm – 5:00 pm

Delaware is a unique State! This short course will examine some of the difficulties in performing boundary surveys in Delaware. Discussion will include topics on recovering and weighing evidence, researching County records and dealing with some of the differences in each County and municipality. Class participation is encouraged!



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Fax: 888-440-7624

Mail: DAS, 232 Landover Circle, Chapel Hill, NC 27516-8482

SILENT

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It's time again for the

DAS

SILENT AUCTION!!

We are looking for items to be placed in the auction.

These items can be anything –

Survey-related items

Liquor

Beer & Wine

Clothing Items

Sport Tickets

Gift Baskets

Gift Cards

and more!!!

All proceeds will go into the Education Fund which helps promote the profession with scholarships and other financial assistance.

Contact DAS to donate items and then

Join the fun of bidding at the fall conference!