

**Survey 2022
Conference & Expo
Wednesday - Thursday
November 9 & 10, 2022
Atlantic Sands Hotel & Conference Center Rehoboth Beach, DE**

ABOUT THE CONFERENCE

Survey 2022 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.

Both two hour classes as well as four hour classes will be held to give people more selection choices. The category listing, "Unlicensed Technician" will be available for anyone in the surveying field, who is not licensed in any state and therefore will not require PDH credits. For those registering under this category, a two-day registration also includes DAS Associate membership for 2023.

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.

Classes and times are staggered both days. 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.

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 visit and 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.

REFUND/CANCELLATION POLICY

Cancellations must be received on or before November 1, 2022 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 10502 and the Delaware Association of Surveyors to receive the group rate by October 7, 2022. Cancellation policy is that of the hotel and not DAS, so be sure to ask about it 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

Morning Sessions

THE TOPOGRAPHIC SURVEY

Presented by Amy Hopkins, PLS

8:00 am – Noon

This course focuses on collecting data in the field and generating the contours in the office. Emphasis will be on getting the field crew and office personnel to understand and appreciate each other's rolls better. We talk about line coding, breaklines, which shots to include and exclude, and verifying topographic data from unknown or unqualified sources. **Four (4) Credits will be available upon the completion of the course.**

ETHICS & LAND SURVEYING

Presented by Frederick Schranck, Esq.

8:00 am – 10:00 am

Topics covered include 17 Del C. Section 509 and how it works; Sandtown Road, Bowers Beach Road C and other old cul-de-sacs – the vacation/abandonment process; Encroachment issues: City of Lewes and State of Delaware examples; Case Studies re: Surveys, Adverse Possession, Stormwater Design issues and more. **Two (2) Credits will be available upon the completion of the course.**

WHEN IT'S TIME TO MOVE ON

Presented by William Beardslee

10:00 am - Noon

As the average age of a surveyor nationally approaches 60, how to assemble the right team and approach for transitioning from the business becomes important. Among the topics covered will be building the value of a company. The course is directed to both older sellers and younger buyers. Numerous options and approaches will be discussed. **Two (2) credits will be available upon completion of the course.**

Afternoon Sessions

SURVEY COST ANALYSIS

Presented by William Beardslee

1:00 pm – 5:00 pm

This course will introduce the professional to the variables in formulating, and conveying the fee and value for a land survey, including assessing the needs of clients to meet statutory and agency requirements. **Four (4) credits will be available at the completion of the course.**

SAFETY IN SURVEYING

Presented by Donad Grower

1:00 pm – 3:00 pm

Safety. Yes, a dreadfully boring subject but safety as it relates to the world we live in today. How do we deal with violent clients or angry neighbors out in the field? What about that angry client who comes into your office? Do any employees have a conceal carry permit? What are their responsibilities? How do we deal with employees who threaten or otherwise make fellow workers uncomfortable? What are the responsibilities of the company or owner to ensure that the employees feel safe? All of these things and more will be covered. **Two (2) credits will be available at the completion of this session.**

MENTORING FUTURE GENERATIONS OF SURVEYORS

Presented by Amy Hopkins, PLS

3:00 pm – 5:00 pm

This course will help managers better understand and communicate with Millennials and Gen Z. At the end a panel discussion with college students in a surveying program from a local college will be held. **Two (2) credits will be available upon the completion of the course.**

Morning Sessions

WHO ACTUALLY OWNS THAT PIECE OF LAND

Presented by James J. Demma, Esq.

8:00 am – Noon

This course will cover a review of the recording system and all the statutes and pertinent cases that deal with establishing the title to real estate, including, but not limited to quiet title actions. **Four (4) Credits will be available upon the completion of the course.**

PREP FOR FIELD

Presented by Amy Hopkins, PLS

8:00 am – 10:00 am

Among the topics covered will be plotting deeds and plans prior to field work, fitting the puzzle together and working out geometry and controlling call issues, latent ambiguities that come to light in the field. **Two (2) Credits will be available upon the completion of the course.**

OPUS – Updates and Information

Presented by Daniel J. Martin

10:00 am - Noon

The National Geodetic Survey's (NGS's) Online Positioning User Service (OPUS) provides free, easy access to the National Spatial Reference System (NSRS) by allowing users to upload their GPS data to the NGS to be processed by NGS computers. To use OPUS successfully, it is critical that users understand both the requirements for data input as well as the processing output. This course will describe the steps involved in processing data with OPUS and will explain the output so that users can interpret and have confidence in the results. Also discussed will be all current OPUS products to include OPUS-S, OPUS-RS, OPUS Share and OPUS Projects. **Two (2) credits will be available upon completion of the course.**

Afternoon Sessions

TRESPASS – Something That Surveyors Never Do!

Presented by James J. Demma, Esq.

1:00 pm – 5:00 pm

This course will cover a review of both the criminal and civil statutes dealing with trespass in the State of Delaware; and a historic case study of the law of trespass. **Four (4) credits will be available at the completion of the course.**

USING UAVs

Presented by Kevin Guthrie

1:00 pm – 3:00 pm

Among the topics covered will be a discussion about the use cases for UAV lidar vs photogrammetry with a focus on the DJI Zenmuse L1 and P1. We will go through generating topographic data step by step and producing a surface with contours. Topics also discussed will include mission planning, weather, FAA regulations, and equipment setup. Several software packages will be discussed as well. **Two (2) credits will be available at the completion of this session.**

NEW DATUMS – What You Need to Know With Only FOUR Years to Go

Presented by Daniel J. Martin

3:00 pm – 5:00 pm

This course will provide updated information about the planned modernization of the National Spatial Reference System (NSRS). Specifically, NGS's plans to replace the North American Datum of 1983 (NAD 83) and the North American Vertical Datum of 1988 (NAVD 88). This course will provide an opportunity for NGS to share updates and discuss the progress of projects related to NSRS Modernization, as well as new technical challenges and delays. **Two (2) credits will be available upon the completion of the course.**

CONFERENCE REGISTRATION

Atlantic Sands Hotel & Conference Center

November 9 & 10, 2022

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

Phone: _____ Email: _____

_____ Unlicensed Technician

	Before 10/31	After 10/31
_____ Member Registration - 2 day	\$ 360.00	\$ 385.00
_____ Non Member Registration - 2 day	\$ 535.00	\$ 585.00
_____ Unlicensed Technician – 2 day	\$ 200.00	\$ 225.00
_____ Member Registration - 1 day	\$ 260.00	\$ 285.00
_____ Non Member Registration - 1 day	\$ 360.00	\$ 410.00
_____ Unlicensed Technician – 1 day	\$ 120.00	\$ 145.00

TOTAL ENCLOSED: \$ _____

COURSE SELECTIONS

Please pay close attention to **TIMES** and **CREDITS** earned with each class. Classes are staggered throughout both sessions. There is only one class on Friday afternoon.

WEDNESDAY MORNING SESSION

- _____ The Topographic Survey 8:00-Noon (4 credits)
- _____ Ethics & Land Surveying 8:00-10:00 (2 credits)
- _____ When It's Time To Move On 10:00-Noon (2 credits)

WEDNESDAY AFTERNOON SESSION

- _____ Survey Cost Analysis 1:00-5:00 (4 credits)
- _____ Safety in Surveying 1:00-3:00 (2 credits)
- _____ Mentoring Future Generations of Surveyors
3:00-5:00 pm (2 credits)

THURSDAY MORNING SESSION

- _____ Who Actually Owns that Parcel of Land 8:00-Noon
(4 credits)
- _____ Prep for Field 8:00 – 10:00 am (2 credits)
- _____ OPUS 10:00-Noon (2 credits)

THURSDAY AFTERNOON SESSION

- _____ Trespass-Something that Surveyors Never Do!
1:00-5:00 (4 credits)
- _____ Using UAVs 1:00-3:00 (2 credits)
- _____ New Datums-What You Need to Know
3:00-5:00 (2 credits)

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

DAS 232 Landover Cir. Chapel Hill, NC 27516-8482

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

Authorization for Credit Card Use

PRINT AND COMPLETE THIS AUTHORIZATION AND RETURN.
All information will remain confidential

Name on Card: _____

Billing Address: _____

Email Address: _____

Credit Card Type: _____ Visa _____ Mastercard _____ Discover _____ AmEx

Billing Zip Code: _____

Credit Card Number: _____

Expiration Date: _____

Card Identification Number: _____ (last 3 digits located on the back of the credit card)

Amount to Charge: \$ _____ (USD)

I authorize _____ to charge the amount listed above to the credit card provided herein. I agree to pay for this purchase in accordance with the issuing bank cardholder agreement.

Cardholder – Please Sign and Date

Signature: _____

Date: _____

Print Name: _____

Return the completed and signed form to the following:

Email: desurveyors@gmail.com

Fax: 888-440-7624

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