

**Survey 2021
Conference & Expo
Thursday - Friday
November 11 & 12, 2021
Atlantic Sands Hotel & Conference Center Rehoboth Beach, DE**

ABOUT THE CONFERENCE

Survey 2021 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 Thursday, all held in and around the Exhibit Hall.

Again this year both two hour classes as well as four hour classes will be held in an attempt to give people more choices. Every attempt will be made to distance seating in all classrooms and only the larger of the classrooms will be used. Because of this, the number of registrants in some of the classes will be limited. There is a new category listing, "Unlicensed Technician". A special rate 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 2022.

The conference opens at 7:30 am on Thursday with a continental breakfast in the Exhibit Hall. The morning session begins promptly at 8:00 am and end 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 Thursday, there will be a cocktail reception held in the Exhibit Hall.

Friday begins again at 7:30 am with a continental breakfast in the Exhibit Hall. The format for the day is the same as Thursday 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 sessions 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 after the conference.

Classes and times are staggered both days. There is only one class being presented on Friday afternoon. This is due to the difficulty in securing speakers this year due to the pandemic. Overall safety was in play when building the schedule and in setting up classrooms this year. **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. This year 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 Thursday and will remain open all day. It will reopen on Friday 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 ample opportunity to visit and network. The breaks will be held there on both days, as well as the cocktail reception on Thursday. Be sure to take advantage of this gathering of exhibitors and their products. Visit with them as they demonstrate their expertise and 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, 2021 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 9914 and the Delaware Association of Surveyors to receive the group rate by **October 18**. 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

CAREER READINESS

Presented by Lou Rodriguez

8:00 am – 10:00 am

If you asked a room full of children what they would like to be when they grow up, how many do you think would mention land surveying? Would they even know what land surveying is? Over the past 30+ years there has been a steady decline in the number of young people entering the surveying profession. In 2016, a study created by the U.S. Bureau of Labor and Statistics reported that, despite there being approximately 65,000 land surveyors in the country, only 9,000 were under the age of 34. This is a direct result of the lack of awareness regarding the land surveying profession. Most people who are not related to someone in the industry have little idea what land surveying is or what career paths exist to enter the profession. This has prevented many potentially talented young people from a variety of communities from being introduced to an industry that is virtually recession or pandemic proof. This panel addresses how we can spread awareness about land surveying to influence the next generation of surveyors. The goal of this session is to review ways that we can create a future where children will tell people they want to be land surveyors when they grow up. **Two (2) Credits will be available upon the completion of the course.**

MAPPING – THE DIGITAL UNDERGROUND & THE FUTURE OF SUBSURFACE 3D

Presented by Barry Gleissner

8:00 am – 10:00 am

This course will cover the various aspects of how underground utility mapping can be done. It will take a look at some different situations, both good and bad. In the end, we will show the direction that 3D underground mapping is moving in. **Two (2) Credits will be available upon the completion of the course.**

ROUNDTABLE DISCUSSION

Monitored by Jill Myers

10:00 am - Noon

The panel for this roundtable discussion will consist of licensed surveyors as well as an LSIT. Topics that will be discussed will include subjects and situations that surveying professionals and technicians face every day. Liability and insurance, the problem of few new surveyors, lack of cad designers, titles of surveys and many more topics will be on the table. **Two (2) credits will be available upon completion of the course.**

Afternoon Sessions

WORKFORCE DEVELOPMENT

Presented by Lou Rodriguez

1:00 pm – 3:00 pm

This session focuses on how to find and train untapped talent in our region to make an immediate impact in the land surveying industry. For starters, we will focus on the 18-24 year old demographic that could be described as in “career limbo”. How do we tap into this potential workforce and get them to see the land surveying as a profession just like the US Army does? How do we start training people in underserved communities to become Surveying Aides and Technicians (i.e. draftsmen, rodmen, and instrument people)? How do we cross train the vast number of people in the GIS and “reality capture” industries into the land surveying fields? What about the large number of immigrants coming to the US from Africa, Asia, and Eastern Europe with advanced degrees in geodetic engineering, geomatics, civil engineering and even land surveying? The goal of this session is to review current programs that are happening in the region and discuss how those initiatives could be replicated in Delaware. **Two (2) credits will be available at the completion of the course.**

LIDAR

Presented by Justin Lahman

3:00 pm – 5:00 pm

Among the topics covered will be LIDAR’s limitations as far as collecting topographic data, how ground data is compiled is a soybean field or areas of heavy brush, what are the advantages of LIDAR over traditional aerial photography, how LIDAR is best geospatially controlled. Also discussed is the question of whether LIDAR’s precision is good enough for civil site design, as well as explaining what airborne LIDAR can and cannot do and why you don’t need as many targets when using LIDAR. **Two (2) credits will be available at the completion of this session.**

RIGHT-OF-WAY RESEARCH

Presented by Danny Simmons & Kelly Katz

3:00 pm – 5:00 pm

This course will consist of an overview of research resources for the establishment of Right-of-Way mosaics and methods used to determine Right-of-Way corridors. **Two (2) credits will be available upon the completion of the course.**

Morning Sessions

THE SURVEYOR & PROFESSIONAL LIABILITY

Presented by James J. Demma

8:00 am - Noon

This will be a discussion on the general liability which a surveyor can face as a professional. Included in this lecture will be a review of the statute of limitations, the effect of the statute of repose (if any), third party liability, and both compensatory and punitive damages; and those torts of trespass, slander of title and the infliction of emotional distress. The lecture will include a brief overview of the Delaware Rules and Regulations for Professional Land Surveyors, and how they may impact boundary control and the responsibilities of the land surveyor. Also, there will be some insights into the common law doctrine of adverse possession and prescription. **Four (4) credits will be available upon completion of this course.**

GEODESY

Presented by Adam Jones, PLS

8:00 am – 10:00 am

As we get closer to NGS rolling out the modernized coordinate system, it is a great time to review the how and why Geodesy supports the spatial accuracy of the data we collect today. This course will cover how Geodesy is the framework that connects positioning technology to surveying by reviewing Geodesy basics, coordinate systems, mapping projections, vertical datums, reference control, and the technology utilized by surveyors today. **Two (2) credits will be available upon completion of this course.**

FEMA ELEVATION CERTIFICATES & RISK RATING 2.0, FLOODPLAIN MAPPING, IDENTIFYING THE DNREC BUILDING LINE AND HOW TO UTILIZE THE 4-STEP PROCESS

Presented by David Warga, Gina Tonn, Jennifer Pongratz

10:00 am - Noon

This session will explain how to accurately complete a FEMA Elevation Certificate and how will FEMA's Risk Rating 2.0 impact the need for an elevation certificate. Also covered will be an overview of Delaware Flood Planning Tool, LOMAs, how to estimate a BFE as well as how to identify and determine DNREC's Building Restriction Line location and using the Four Step Process for development in Delaware's beach communities. **Two (2) credits will be available upon completion of this course.**

Afternoon Session

DESCRIPTIVE ELEMENTS AND CONFLICTS IN CALLS

Presented by James J. Demma

1:00 pm – 5:00 pm

A discussion on the case and statutory laws pertaining to the descriptive elements in boundary control, including highways and streets as monuments. This lecture will explore the pertinent cases decided by the Delaware courts, and those important decisions from other states, and related statutes. Also included will be a brief discussion on the founding of both the colony and State of Delaware, and its significance in the development of its common law for land surveyors. **Four (4) credits will be available upon completion of this course.**

CONFERENCE REGISTRATION

Atlantic Sands Hotel & Conference Center

November 11 & 12, 2021

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 11/4	After 11/4
_____ 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.

THURSDAY MORNING SESSION

- _____ Career Readiness 8:00-10:00 (2 credits)
- _____ Mapping the Digital Underground 8:00-10:00 (2 credits)
- _____ Roundtable Discussion 10:00-Noon (2 credits)

THURSDAY AFTERNOON SESSION

- _____ Workforce Development 1:00 - 3:00 (2 credits)
- _____ LIDAR 3:00-5:00 pm (2 credits)
- _____ Right-of-Way Research 3:00-5:00 pm (2 credits)

FRIDAY MORNING SESSION

- _____ Surveyor & Professional Liability 8:00-Noon (4 credits)
- _____ Geodesy 8:00 - 10:00 am (2 credits)
- _____ Elevation Certificates, Floodplain Mapping, Identifying the DNREC Building Line & more 10:00 - Noon (2 credits)

FRIDAY AFTERNOON SESSION

- _____ Descriptive Elements & Conflicts in Calls 1:00- 5:00 pm (4 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, 9210 Slice Court, Wilmington, NC 28412