

Agenda

Presented by Mark D. Jones, P.E.

Overview of Aerial Mapping Technologies in June

Manned aircraft vs. unmanned aircraft systems (UAS)
UAS platforms: fixed wing and rotorcraft
UAS photogrammetry
UAS LiDAR
Aerial mapping regulation in Pennsylvania

Commercial UAS Applications

Agriculture
Architecture and construction
Engineering
Environmental monitoring and compliance
Defense and public safety
Marketing, media and public relations
Infrastructure development and maintenance

Mapping Using UAS

Software set-up Preflight planning
Flight operations and considerations
Post-processing

UAS Data-Processing Software

Pix4D DroneDeploy
Autodesk Agisoft
Others

Photogrammetry Demonstration/Case Study

Software demonstration
Working with control points
Deliverables

FAA Commercial UAS Regulations

Commercial/recreational UAS
Remote pilot requirements
UAS requirements Airspace requirements
Operating rules

FAA Part 107 Remote Pilot License

When required Preparing for the test
Where to take the test

Choose the way you want to learn!

This program will be presented simultaneously live, in-person
and live online! Move from in-person to online anytime!

Pennsylvania Aerial Mapping Technologies and Procedures

Harrisburg, PA or Online - Wednesday, June 8, 2022

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Learning Objectives

You'll be able to:

Compare different types of unmanned aircraft systems that can be used for aerial mapping.

Discuss the ways in which aerial mapping can be used for surveying and for other purposes, including engineering and infrastructure development.

Get tips on setting up an aerial mapping project from software set-up to flight operations and post-processing.

Explore industry-standard software for aerial mapping projects.

Comply with FAA regulations on the use of commercial unmanned aircraft systems.

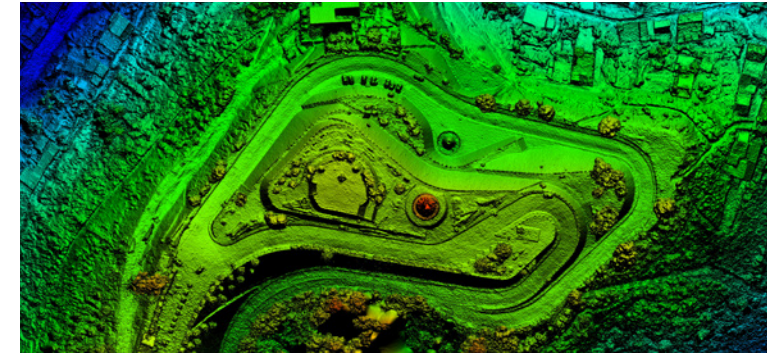
Participate in a case study and photogrammetry demonstration.



Live, In-Person Seminar and Live Webinar

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Explore unmanned aircraft and their regulation in Pennsylvania

Learn how mapping and surveying fit in with other applications for drones

Identify the procedures for mapping using drones

Review industry-standard software for aerial mapping

Participate in a photogrammetry demonstration

Comply with FAA regulations on the operation of drones

Continuing Education Credits

Professional Engineers

7.0 PDHs

Land Surveyors

7.0 PDHs

Landscape Architects

7.0 HSW CE Hours

7.0 LA CES HSW PDHs

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Faculty

Mark D. Jones, P.E. *Principal, Hartech Engineering & Consulting, LLC*
Mr. Jones, P.E. is president of Hartech Engineering which was founded in 2007 as a multi-discipline civil engineering consulting firm providing infrastructure, development and municipal design services for the public and private sectors. Bringing over 30 years of engineering expertise along with specific state-of-the-art, computer-aided technology to achieve efficient, cost saving design solutions, he also provides hydrology and hydraulic studies and reports along with general civil engineering support for prime consultants to PennDOT or local municipality projects. Mr. Jones is a licensed pilot and studied Military Civil Engineering while serving in the USAF and continues his Masters education locally through Penn State. Additionally, he is also a registered professional engineer in the states of Pennsylvania, Maryland, Arizona and Georgia.

Seminar/Webinar Information

Courtyard by Marriott Harrisburg/Hershey
725 Eisenhower Blvd
Harrisburg, PA 17111
(717) 558-8544

Webinar Information:
Webinars are presented via GoToWebinar. Instructions and login information will be provided in an email sent close to the date of the webinar.
For system requirements, please visit the FAQ section of our website, or visit www.gotowebinar.com.

Registration
8:00 - 8:30 am EDT

Morning Session
8:30 am - 12:15 pm EDT

Lunch (on your own)
12:15 - 1:15 pm EDT

Afternoon Session
1:15 - 5:00 pm EDT

Tuition
\$319 for individual registration
\$289 for three or more registrants from the same company at the same time.
Included with your registration: *PDF Seminar Manual.*
A printed manual is available for an additional cost upon request. Please call to order.

How to Register

- Visit us online at www.halfmoonseminars.org
- Mail-in or fax the attached form to 715-835-6066
- Call customer service at 715-835-5900

Cancellations: Transfer from seminar to webinar or from webinar to seminar at any time without charge! Cancel at least 48 hours before the start of the seminar/webinar, and receive a full tuition refund, minus a \$39 service charge for each registrant. Cancellations within 48 hours will receive a credit toward another seminar/webinar or the self-study package. You may also authorize another person to take your place.

Additional Learning

Live, Interactive Webinars

Structural Design Loads under the ASCE 7 Standard Interactive Workshop
- Mon, May 2, 2022 | 8:30 am - 5:00 pm EDT

Retaining Wall Design and Slope Stabilization Techniques
- Thurs, May 5, 2022 | 12:00 - 3:15 pm EDT
- Fri, May 6, 2022 | 12:00 - 3:15 pm EDT

Construction Management for Highway and Road Projects
- Mon, May 9, 2022 | 10:00 am - 1:15 pm EDT
- Tues, May 10, 2022 | 10:00 am - 1:15 pm EDT

Orthometric Heightening with GNSS
- Tues, May 10, 2022 | 10:00 am - 2:15 pm EDT

Urban Stormwater System Design and Construction
- Thurs, May 12, 2022 | 9:30 am - 5:30 pm EDT

Revit Basics of Building Modeling
- Fri, May 13, 2022 | 10:00 am - 2:00 pm EDT
- Fri, May 20, 2022 | 10:00 am - 2:00 pm EDT

The Tree Course: Science, Design, and Sustainability
- Fri, May 13, 2022 | 10:00 am - 5:30 pm EDT

Site Design: Grading and Drainage
- Fri, May 20, 2022 | 9:30 am - 5:30 pm EDT

HEC-RAS Modeling Basics
- Mon, May 23, 2022 | 9:30 am - 6:00 pm EDT

How to Design a Stormwater Management System for Residential Sites
- Tues, May 24, 2022 | 3:00 - 5:00 pm EDT

Flood-Resistant Design and Construction
- Wed, May 25, 2022 | 12:00 - 3:00 pm EDT
- Thurs, May 26, 2022 | 12:00 - 4:00 pm EDT

Soil Mechanics, Bearing Capacity and Slope Stabilization
- Wed, May 25, 2022 | 9:30 am - 5:30 pm EDT

For more information and other online learning opportunities visit:
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Continuing Education Credit Information

This seminar/webinar is open to the public and offers 7.0 PDHs to professional engineers, 7.0 HSW continuing education hours to landscape architects, and 7.0 PDHs to land surveyors in Pennsylvania. Educators and courses are not subject to preapproval in Pennsylvania.

Engineers, landscape architects and land surveyors seeking continuing education credit in other states will be able to claim the hours earned at this seminar/webinar, in most cases. Refer to specific state rules to determine eligibility. HalfMoon Education is not seeking approval for landscape architects in New Jersey.

The Landscape Architecture Continuing Education System has approved this course for 7.0 HSW PDHs. Only full participation is reportable to the LA CES.

Attendance will be monitored, and attendance certificates will be available after the seminar for most individuals who complete the entire event. Attendance certificates not available at the seminar will be mailed to participants within fifteen business days.

Completion certificates will be awarded to participants who complete the webinar online, respond to prompts, and earn a passing score (80%) on the quiz that follows the presentation (multiple attempts allowed).

Can't Attend? Order the Webinar as a Self-Study Package!
Recordings of this webinar are available for purchase. See registration panel for more information and please refer to specific state licensing rules or certification requirements to determine if this learning method is eligible for continuing education credit.

Registration

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How to Register

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