



Spring Seminar

7 PDH

Presented Virtually with GoToWebinar
Friday, April 16, 2021

PROGRAM SCHEDULE

8:00 AM - Noon

Modern Lidar and Photogrammetry Comparisons from Standard Aircraft and UAVs

12:00 - 1:00 PM

Lunch Break

1:00 - 4:00 PM

Cold Case: The Lost Boundaries of Vergennes

WEBINARS

Modern Lidar and Photogrammetry Comparisons from Standard Aircraft and UAVs

Presenter: Raymond Hintz, PLS, PhD, UMaine Faculty Member

In the last few years, a variety of overlapping technologies have evolved to create deliverable 3-D survey products. While fixed wing aircraft lidar has existed for a long time, it is only in recent times that a UAV could efficiently collect lidar. In addition, the concept of multi-ray (high overlap) photogrammetry has changed accuracies achievable in the image domain. In this webinar, we will discuss the differences in deliverable between the technologies and post-processed and real-time airborne GPS-IMU (inertial) as an addition or alternative to survey ground control. We'll also cover differences in product from a conventional CAD type ground survey to a dense digital 3-D model (.las/.laz), along with efficient digitization processes for vector information.

Cold Case: The Lost Boundaries of Vergennes

Presenter: Timothy Cowan, L.S., Civil Engineering Associates

In 1788, the City of Vergennes was created by an act of the general assembly of the future state of Vermont. More than 230 years later, the city's boundaries remain unmarked, un-surveyed and universally misunderstood. After researching the problem 25 years ago, the topic is coming to light again due to growing interest in designing a truck route or bypass around the Little City. This will be a graphic-rich presentation featuring dozens of maps and diagrams as well as quotes and anecdotes from historical documents to illustrate the 1788 subdivision of the city from the surrounding three towns. The story of how the exact boundaries are still inconclusive after 230 years allows for discussion of a myriad of survey-related issues related to historical research, boundary construction and historical methods of surveying town lines and the lots within them.

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Non-member	\$200.00	\$120.00	\$100.00

NOTE: \$25 late fee after April 11, 2021.

• An email address and stable Internet connection are required • Webinars will be recorded and can be viewed later •

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