

Credit Information

Current Issues in Land Surveying

This webinar is open to the public and is designed to qualify for 7.0 PDHs for professional engineers and land surveyors in most states. This course is not approved in New York; please refer to specific state rules to determine eligibility.

HalfMoon Education is an approved continuing education sponsor for engineers in Florida (Provider License No: CEA362), Indiana (License No. CE21700059), Maryland, New Jersey (Approval No. 24GPOOO49300) and North Carolina (S-O130).

HalfMoon Education is an approved continuing education sponsor for land surveyors licensed in Indiana (License No. CE10600325), Maryland, and North Carolina (S-O130). This course has been registered with the Florida Board of Professional Surveyors and Mappers for 7.0 continuing education hours.

This course has been approved by the Missouri Board of APEPLSPLA for 7.0 PDUs for land surveyors.

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From 1620 to 2024: Metes and Bounds Land Description Workshop

This webinar is open to the public and is designed to qualify for 6.0 PDHs for professional engineers and land surveyors in all states that allow this learning method. *This course is not approved in New York; please refer to specific state rules to determine eligibility.

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HalfMoon Education is an approved continuing education sponsor for land surveyors licensed in Indiana (License No. CE10600325), Maryland, and North Carolina (S-O130).

This course has been registered with the Florida Board of Professional Surveyors and Mappers for 6.0 continuing education credits and has been approved by the Missouri Board of APEPLSPLA for 6.0 PDUs.

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Attendance will be monitored, and attendance certificates will be available after the webinar for those who attend the entire course and score a minimum 80% on the quiz that follows the course (multiple attempts allowed).



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March Land Webinars

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March Land Webinars

Current Issues in Land Surveying
– Tuesday, March 11, 2025 | 9:00 am - 5:00 pm CDT

**From 1620 to 2024:
Metes and Bounds Land Description Workshop**
– Thursday, March 27, 2025 | 9:00 am - 4:00 pm CDT

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Agenda:

The Ubiquitous Nature of Geospatial Data	<i>Dr. L.V. Potts</i>
Defining geospatial data	History of geospatial data
Types of geospatial data	Current and anticipated uses
Geospatial data collection, management and use	

Diving Deep into Google Earth Engine (GEE)	<i>C. Kochenour</i>
Introduction to Google Earth Engine	Data catalog and management
Programming and analysis capabilities	Applications and case studies
Integration with google cloud services	Challenges, ethics, and future directions

Analyzing the Role of Coordinates in the Rules of Construction for Boundary Evidence	<i>J. Wilson</i>
Surveying and boundaries	Evidence
Surveyor testimony	Statutory rules
Coordinates and the future	

Land Surveying and Climate Change	<i>B. Fischer</i>
Climate change impacts: predicting and monitoring	
Tracking climate change-related developments:	
• Land use changes, vegetation changes, weather impacts,	
monitoring groundwater, surface water and other resources	
Collecting, analyzing and monitoring geospatial data	

Role of Surveying in the Evolution of Digital Twins	<i>K. Schuckman</i>
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Presented by
Dr. Laramie V Potts PhD, MBA, PS(SA), GISP *Associate Professor, New Jersey Institute of Technology, School of Applied Engineering & Technology*

Dr. Laramie Potts is an associate professor at the New Jersey Institute of Technology (NJIT) in the School of Applied Engineering and Technology where he teaches geomatics, geomathematics, geodesy, boundary law principles, and land development. His research interest and activities include engineering education, boundary line retracement, geomorphology, autonomous robotic mobile mapping, multisensor integration for navigation in GNSS-challenged environments, and application of artificial intelligence on reality capture data for digital twin engineering. He is a frequent speaker at regional and national conferences on applications of Geographic Information Science. Dr. Potts received his Masters and PhD degree from The Ohio State University in Geodetic Science, his MBA degree from New Jersey Institute of Technology and his Bachelor of Science in Land Surveying from the University of Cape Town. He is also a Certified GIS Professional (GISP).

Cale Kochenour *Remote Sensing Analyst, University of Vermont, Spatial Analysis Lab*
Mr. Kochenour is a remote sensing analyst at the University of Vermont Spatial Analysis Laboratory. His role involves the application of object-based image analysis techniques for mapping a range of complex landscapes. His feature extraction projects encompass tree canopy change assessments and land cover mapping across the United States and throughout North America. Notable projects include macroalgae mapping along the Atlantic Coast, Agave plant identification in Mexico, land use classification within the Charles River Watershed, and tree health assessments in various U.S. cities. Beyond employing established and operational feature extraction methodologies, Mr. Kochenour engages in the experimentation of novel routines aimed at enhancing the efficiency and accuracy of mapping outcomes. He utilizes high-resolution imagery, LiDAR, and thematic data to produce precise and functional datasets tailored for an extensive array of collaborators.

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Tuition: \$339 per registrant
\$237 per attendee for group registrations of two or more people registering at the same time for the same program. *That’s a savings of 30 percent!*

Credits: Engineers: 6.O PDHs* | Land Surveyors: 7.O PDHs*

Jared D. Wilson
Surveying and Mapping Science Coordinator, Department of Engineering, Engineering Technology and Surveying, College of Arts and Sciences, East Tennessee State University
Jared D. Wilson is currently pursuing a master of science degree in Engineering Technology, Surveying Engineering Technology, and a doctorate of Engineering at the University of Maine. He obtained a master of science degree from East Tennessee State University in May 2002 and a bachelor of science degree in Surveying and Mapping from East Tennessee State University in 2001. Mr. Wilson is a professor of practice in the Department of Engineering, Engineering Technology, and Surveying within the College of Arts and Sciences at East Tennessee State University, and currently serves as the surveying and mapping science program coordinator. Mr. Wilson was a tenured assistant professor of Land Surveying at the Landaplenty Center of Natural Resources, Department of Land Resources, Glenville State University in Glenville, West Virginia. He is a licensed land surveyor in West Virginia and has performed land surveying related projects in Virginia, West Virginia, Kentucky, Tennessee, Maryland, and Washington D.C. He has served on the West Virginia Society of Professional Land Surveyors in the capacity of chapter representative, director, president elect and president. His goal is to continue to instruct future land surveyors and benefit the profession.

Brian J. Fischer, P.L.S. *Director Of Surveying, THD Design Group, Inc.*
Mr. Fischer has over 30 years of experience in the survey field, performing a variety of survey types for residential, municipal, commercial, industrial and government agency clients. He has experience in survey instrumentation and computer aided drafting (CAD) programs, as well as office and survey programs such as Trimble Office, Carlson and Civil 3D. Management experience includes overseeing drafting and field crews, as well as a branch office for an Oil and Gas services firm in southeast Texas. A former adjunct faculty member for the Engineering Department at St. Louis Community College at Florissant Valley, he holds professional land surveyor licenses in Missouri, Illinois, Iowa, Mississippi and Texas.

Karen Schuckman, CP, CMS-Lidar
Senior Director of Remote Sensing and Geospatial Services at RRC Companies
Ms. Karen Schuckman is the Senior Director of Remote Sensing and Geospatial Services at RRC Companies, a recognized leader in the international renewable energy industry. She continues to serve as a part-time time associate teaching professor of Geography at The Pennsylvania State University, where for 17 years she was the lead faculty for the Graduate Certificate in Remote Sensing and Earth Observation in the Online Geospatial Program. She also serves as the executive director of the American Society for Photogrammetry and Remote Sensing. Prior to her move to teaching, Ms. Schuckman was the Geospatial Technology Leader at URS Corporation (now AECOM) from 2005-2006. Prior to joining the private sector, Ms. Schuckman worked for the USGS National Mapping Division, in Menlo Park, California. She is a former vice chair of the NOAA Advisory Committee on Commercial Remote Sensing (ACCRES) and a member of the National Research Council Committees on Floodplain Mapping Technologies and FEMA Flood Map Accuracy. She holds an MS degree in Geospatial Information Systems from Penn State University, is an ASPRS Certified Photogrammetrist, ASPRS Certified Mapping Scientist – Lidar, and a professional land surveyor.

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Agenda:

Working with Metes and Bounds Descriptions

History of land descriptions in the U.S.

Basic land description concepts:

- Terminology
- Distances
- Mathematical closure
- Bearings
- Circular curves
- State plane coordinates

Monuments, natural and artificial boundaries

Reading, Interpreting and Locating Land Described with Metes and Bounds
Finding the described land on a map
Finding the described land on the ground

Metes and Bounds Workshop: Writing, Drawing and Locating Descriptions
Writing a description
Drawing a description
Software for mapping, drawing and locating described lands

Handling Special Issues in Metes and Bounds Descriptions
“Part of” descriptions
Exceptions and reservations
Water boundaries
Easements and other access rights
Hybrid descriptions

Presented by
Anthony “Tony” M. Gregory, PS *Professor Emeritus of Civil Engineering Technology*
Mr. Gregory is a former department head at Purdue University Northwest in Hammond, Indiana. He is registered as a professional surveyor in Indiana and Illinois and consults as a project surveyor at Abonmarche through their Hobart, Indiana office. Mr. Gregory has presented numerous seminars on various land surveying topics to professional land surveyors, surveying technicians, attorneys, title company officials, and real estate professionals through various settings. He is a member of the Indiana Society of Professional Land Surveyors (ISPLS), the Illinois Professional Land Surveyors Association (IPLSA), and the National Society of Professional Surveyors (NSPS). Mr. Gregory previously served on the ISPLS Board of Directors and is a past society president. He currently serves on the Board of Directors of NSPS and chairs the NSPS Education Committee. Mr. Gregory and his wife, Jen, previously co-pastored a church congregation in Grove City, Ohio for two and a half years.

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