

Conference Seminars

Wednesday, August 15th

8:30 am —
3:00 pm

Boundary Retracement, Processes & Procedures

Course #9384 - 6 CECs

Don Wilson, PSM

Boundary Retracement, which [set of] footsteps to follow, and why. Based on Mr. Wilson's latest book, the program will include Boundary retracement, the concept and the law; a review of land titles and conveyancing; corners, lines and surveys; protraction, description elements; errors; evidence; procedural considerations; lost corners; and rectangular surveys outside the PLSS.

Donald A. Wilson, president of Land & Boundary Consultants, has been in practice for over 50 years, consulting to groups throughout the United States and Canada. He is both a licensed land surveyor and professional forester, having conducted more than 500 programs on a variety of topics, including description interpretation, boundary evidence, law, title problems, and forensic procedures.

Mr. Wilson has more than 200 technical publications in several areas, and has been involved with over 60 books, which include titles on Maine history and several books on fishing. Besides being co-author of *Evidence and Procedures for Boundary Location* and *Boundary Control and Legal Principles*, he is author of *Deed Descriptions I Have Known....But Could Have Done Without*, *Easements and Reversions*, *Interpreting Land Records* and *Forensic Procedures for Boundary and Title Investigation*. His latest titles are *Easements Relating to Land Surveying and Title Examination*, *Boundary Retracement, Processes and Procedures* and a co-authorship entitled, *Land Tenure, Boundary Surveys and Cadastral Systems*.



Thursday, August 16th

Seminar I
8:30 am —
11:00 am

Legal Descriptions

Course # 9390 - 3 CECs

David Schryver, PSM & Todd Boyle, PSM

Descriptions and Sketches are not just one of the tasks surveyors provide; in a fundamental way they are the very foundation of the profession. As technology and other professions encroach or challenge the practice of Land Surveying, it is essential that Surveyors give the respect and priority the Description (and Sketch) is due.

David Schryver, PSM, is currently the County Surveyor for Indian River County, Florida. David began his survey career in 1980 and obtained professional registration in 1990. His work experience includes work in the private sector from rodman to business owner, and he has been working in the government sector since 2011. David is currently the Vice President of the Indian River Chapter and has held many offices at the State level including President of the Florida Surveying and Mapping Society.

Todd Boyle, PSM, started surveying part-time in 1979 and became licensed in 2000. My work was in private practice up until 2007. Since that time, I have had the privilege and honor to serve as the Manatee County Surveyor.

I have been a member of FSMS since becoming licensed and have had the opportunity to serve as the Manasota Chapter President in 2014-15 and again in 2016-17.



Seminar II
8:30 am —
3:00 pm

FEMA Flood Map Changes for Surveyors

Course #9345 - 6 CECs

David Melvin, PSM

This course focuses on how to change FEMA flood maps. The ability to handle floodplain problems is very important. Since surveyors are typically involved in the land development process, it makes sense for surveyors to learn more about floodplain issues, particularly the correction of flood zone locations on FEMA maps. Improperly mapped flood zones on FEMA Flood Maps cost property owners and developers a great deal of money.

David Melvin, PSM, is a Professional Land Surveyor with professional registration in Florida, Alabama, and South Carolina. He is owner of Land Pro Seminars and is also a consultant specializing in land boundary problems, floodplain issues, wetland mapping, and land surveying regulations.



Conference Seminars

Thursday, August 16th

Seminar III
12:30 pm -
3:00 pm

Land Tenure, Boundary Surveying & Cadastral System

Course #9385 - 3 CECs

Don Wilson, PSM & George Cole, PSM

This course provides an introduction to land tenure, cadastral systems, and boundary surveying, including an understanding of the interrelationship of these areas and their role in land tenure and real property law. This is especially true considering the advent of georeferenced cadastral maps reflecting the location of land parcels relative to many other components of the physical and legal infrastructure. Although intended as a basic text for college-level surveying courses, this book should also be of significant value to cadastral mappers, real property attorneys, land title professionals, and others involved with land transactions.



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George M. Cole is a professional surveyor and engineer with over 50 years of experience as a land surveyor. Beginning his career conducting hydrographic surveys of the Chukchi Sea as a commissioned officer of the U.S. Coast & Geodetic Survey, he has had a wide variety of assignments including participation in the nation's first satellite geodesy program, as the State Cadastral Surveyor for Florida, and as President of a surveying and mapping firm with projects in both the United States and Latin America. Recently, he has concentrated on surveying education with service as a visiting professor at the University of Puerto Rico (which was the inspiration for this book) and currently as an adjunct professor at both the University of Puerto Rico and Florida State University.

Saturday, August 18th

8:30 a.m.—
3:10 p.m.

Florida Laws and Rules Affecting Professional Surveyors and Mappers

Course #6966 - 6 CECs

Panel

This course will focus on Florida Laws affecting professional surveyors and mappers. The practice of surveying and mapping is affected by many evolving laws and rules. This course will cover regulatory issues related to unlicensed practice, and will also address some of the implications of the various recent changes to Florida Statutes Chapter 472 and Florida Administrative Code 5J-17.

Panel Discussion

Conference Seminars

Saturday

August 18th

Tier I Courses

Track II

8:30 a.m.—
10:10 a.m.



Emerging Technology

Course # 8664 - 2 CECs

Allen Nobles, PSM & Earl Soeder, PSM

This course will educate the attendee on the emerging technologies for surveying and mapping. Information on the type of hardware and software and their uses will be discussed. This course will contain examples of emerging technology trends and how it is changing everything.

Mr. Nobles is President of a Surveying firm with four offices in North Florida since 1980. Mr. Nobles, was a member of the ASTM E-57 Standards Committee writing the national standards for terrestrial scanning and has been a speaker at the industry's leading user groups. He has provided classes on LiDAR, photogrammetry, GPS, LAMP, laser scanning and boundary surveying for many professional groups (including the University of Puerto Rico, the University of Florida, FAU and Troy University).

Earl Soeder is a licensed Professional Surveyor & Mapper and Registered in Florida and has been surveying for 31 years. Earl has been deeply involved in many aspects of surveying from GPS/Hydrographic to Control Surveys. His unique experience led him to teaching surveying at University of Miami as well as community colleges throughout Florida. A member of FSMS (Florida Surveying and Mapping Society), he has given back to his profession through education and volunteering in many trade associations. Earl is well versed in all Trimble products from Surveying/Engineering Systems to Mapping grade products.

Track III

8:30 a.m.—
10:10 a.m.



QA/QC for the Design Professional

Course #9294 — 2 CEC's

Dianne Collins, PSM

This course defines the meaning and purpose of Quality Assurance and Quality Control for both the Design Professional and Technical Staff. The procedures and processes for developing and implementing a QA/QC plan that can be utilized in both field and office will be explored through discussion and use of examples. The importance of record keeping and documentation will be discussed as well as the positive aspects of the effects on your business operation.

Ms. Collins has over 46 years of experience surveying in Florida, spending 13 years with the Surveying and Mapping Department of the Florida Department of Transportation District 7 as a technical reviewer, documents coordinator and District Right of Way Surveyor. Private sector experience ranges across Florida performing and managing many types of projects including, boundary, topographic, wetland, control survey and right of way mapping as well as property title analysis and determination of property interests. Since starting her own firm in 2010, Ms. Collins has focused on performance of Quality Control/Quality Assurance reviews, Mapping and Litigation Support for both public and private sector clients.

Track IV

8:30 a.m.—
10:10 a.m.



Field Safety

Course #9391— 2 CEC's

Don Elder, PSM & Greg Prather, PSM

A dropped survey instrument can be replaced with next day shipping. Creating a trained survey industry worker takes months at minimum, and usually requires years. First aid courses teach you how to react once someone is already injured. In this course, we will discuss approaches to our daily work which reduce the possibility of injury proactively. We will review common apparent and hidden risks to surveyors, formal and informal job safety planning, and we will introduce the topic of safety enhancement through Human Performance tools and principles. The objective of this course is the improved defense of a surveying enterprise's most valuable assets – its people.

Don Elder, PSM, GISP is a professional surveyor and mapper licensed in Florida, Alabama, and Mississippi, and has over 20 years of surveying experience. He is a certified GIS professional, and holds a Master's degree from the University of Florida Geomatics program and a Bachelor's degree in Information Engineering Technology from the University of West Florida. Mr. Elder is currently employed by Gulf Power Company, where he performs a diverse range of surveying and land information systems services. Don Elder has served on the FSMS Board of Directors in multiple capacities since 2014, and he is currently the FSMS Secretary.

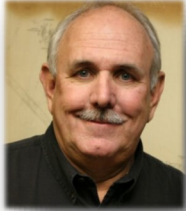
Gregory A. Prather, PSM is the Vice President of Surveying and the Company Safety Officer for Pickett and Associates, Inc. Mr. Prather began his career with Pickett in 1983 and became a Florida Registered Surveyor in 1992, later he became a company partner in 2003. Gregory has extensive field and office experience with Trimble GPS software, receivers, and data collectors and is a hands-on leader. He has held several positions at the Chapter level of FSMS and has served as a District 4 Director. He remains an active member of FSMS and sits on the Ethics and Professional Practice Committee.

Conference Seminars

Saturday
August 18th

Tier II Courses

Track II
10:30 a.m.—
12:10 p.m.



New State Plane Coordinates

Course # 9392 - 2 CECs

Allen Nobles, PSM & Rick Pryce, PSM

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Mr. Pryce has over forty years of experience surveying in South Florida and is the current Director of District 6 (Broward County) of the Florida Surveying & Mapping Society. He has specialized in all aspects of the land surveying & mapping profession and has also utilized ESRI GIS software since 1990. Rick has specialized training in BLM PLSS retracement surveys, legal research and resolving boundary disputes. Most recently Rick has been fully trained on Leica 3D Laser Scanners and 3D Modeling for use in High Density Surveying of Commercial, Historical and Utility Sites. He has also been developing ways to analyze Aerial & Terrestrial Lidar data for City-wide Storm water and Drainage studies. Rick prides himself on always staying on the forefront of surveying and mapping technology.

Track III
10:30 a.m. —
12:10 p.m.

Workers Compensation Requirements & Workplace Safety

Course #9387— 2 CEC's

Aysia Elliott

This course is designed to provide the student with the opportunity to become familiar with the Florida Workers' Compensation laws and their coverage requirements under the law in order to remain in compliance. It also describes the Enforcement provisions under the law and the activities of the Division of Workers' Compensation, Bureau of Compliance.

Aysia Elliott serves the State of Florida, Department of Financial Services, Division of Workers' Compensation, Bureau of Compliance as a Training Specialist. In this role she provides new employee training to all personnel in the bureau. Ms. Elliott also provides and coordinates employer training throughout the State of Florida. Ms. Elliott has been a state employee for 5 years, and served as a compliance investigator for four years prior to transitioning into her training role. Her background consists of dual bachelor's degrees in Criminal Justice and Forensic Studies from Florida Gulf Coast University. Her background in Investigations with the Bureau and her educational background bring a well-rounded view of the issues surrounding workers' compensation compliance in both the construction and non-construction industries.

GPS for the Technician—Best Field Practices

Course #9388 - 2 CEC's

Sam Hall, PSM

The course provides a broad overview of the Global Positioning System and Real Time surveying through a series of field and classroom exercises. Topics include: how GPS is used for surveying; RTS fundamentals, equipment configuration, initialization methods, GPS Site calibration and general RTS field techniques.

Sam Hall, PSM, has nearly 20 years of surveying and mapping experience and currently serves as Vice President of Geospatial Services at WGI, a Florida-based engineering and consulting firm. After graduating from the University of Southern Maine with a degree in Geography, Sam obtained post-graduate Master's Certification in GPS Satellite Surveying and Conformal Mapping from the University of Maine. He then served as a consultant to the NGS and NRCAN on geodetic control surveys throughout the northeast and Canadian Maritimes. Since relocating to Florida in 2005, he has provided oversight, management, and data processing on large GPS networks to FDOT, the South Florida Water Management District, FDEP, the National Parks Service, and the U.S. Army Corps of Engineers.

Track IV
10:30 a.m. —
12:10 p.m.



Conference Seminars

Saturday
August 18th

Tier III Courses

Track II
1:30 p.m. —
3:10 p.m.



Best Practices in Running an Accurate & Profitable Drone Survey Program

Course #9386 - 2 CEC's

Daniel Katz

Flying a drone is easy, but creating a successful drone surveying program is complex. Drone technology is enabling many surveyors to grow their businesses despite a nationwide shortage of hireable survey staff. However, surveyors need to be sure they are getting the best accuracy and return on investment from their drone survey programs. In this seminar, Daniel Katz of Aerotas will share lessons from implementing drone programs for hundreds of surveyors nationwide and completing thousands of data processing projects. Key topics include: an benchmarks for a successful drone program, analysis of the current state of drone technology, and best practices in drone survey project workflow.

Daniel Katz is co-founder of Aerotas, where he has helped hundreds of surveyors nationwide start surveying by drone with industry-leading accuracy. Daniel regularly speak at survey conference across the country, and is a regular contributor to Point of Beginning and state survey association magazines.

Track III
1:30 p.m. —
3:10 p.m.



Professionalism & Ethics

Course #8358 - 2 CEC's

Chad Thurner, PSM & Lou Campanile, PSM

This course will introduce attendees to all aspects of professionalism and ethics. Surveyors and mappers need to know, understand, and execute the highest levels of professionalism and ethics. Attendees will learn tips and answers to solving ethical problems.

Mr. Chad Thurner is the Vice President and Operation Manager for Nobles Consulting Group, Inc. in Tallahassee, Florida. As the Operations Manager, he studies and assists in the research and development of state-of-the-art technology as well as manages the daily responsibilities of the company. He has over 20 years of experience using the latest technology and software for various Geographic Information System (GIS) and Professional Surveying and Mapping projects. Much of his experience has been for large-scale mapping projects for various State/Federal agencies, municipalities, and private developers throughout Florida, Alabama, Georgia, and Mississippi. Mr. Thurner earned his Bachelors of Science (BS) degree in Geomatics from the University of Florida in 2000. He has his surveying and mapping license in Florida, Alabama, Mississippi, South Carolina, Louisiana, Georgia and Texas. In addition to surveying credentials, he is a certified GIS Professional (GISP). Mr. Thurner has served as the Emerging Technologies Chair and is currently District 1 Director for Florida Surveying and Mapping Society.

Lou was born in Miami. He "began" his surveying career at the age of 9 calculating lot areas for his dad on plats and continued working part time and summers in the field and office during junior high, high school and college. He attended the Georgia Institute of Technology and graduated with a Bachelor of Civil Engineering degree in 1981. After college, he began his responsible charge surveying career with his dad's firm in Miami. He received his surveying license in January of 1987 (PLS #4338).

Lou has been a member of FSMS since 1972 and has progressed from Student Member (1972-1981) to Associate Member (1981-1987) to Full Member (1987-2007) to Fellow Member (2007-2014) to Life Member (2014-Present). All this time he has been a member of the Miami-Dade Chapter and has served as Chapter Director, Secretary, Treasurer and President. He has served as Chapter President 4 times and the other positions more times than he can recall.



Track IV
1:30 p.m. —
3:10 p.m.



Field Notes

Course #9389 — 2 CEC's

James Godfrey, PSM

This course will cover the basic fundamentals of collecting field notes on a survey project. Why field notes are important and what should be included in survey field notes. Also covered will be the different sources of error that can occur in our field measurements and how to avoid these errors using checks we can make before we leave the field.

Mr. Godfrey's 40 year surveying career includes performing surveys for Federal, State, County and private sector clients and is licensed in 5 southern states including Florida with over 30 years as a licensed surveyor. For the past 14 years, Mr. Godfrey has served as adjunct professor in the college of engineering at University of South Florida where he instructs engineering students in surveying principles used in engineering. He currently serves as the branch manager for Cardno's Tampa office overseeing the SUE and Survey groups and has been an active member in the Tampa chapter of the FSMS for over 25 years.