

64th Annual Conference Speakers & Bios

Seminars

Wednesday, July 24th
8:30 am - 3:00 pm

Seminar I



Forensic Approaches to Evidence Discovery & Location Course #9663 - 6 CECs Don Wilson, PSM

Proper techniques for the discovery, processing and preservation of a boundary scene, whether an entire land parcel, one boundary, one corner, or a related feature.

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.

Seminar II



Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys Course #9664 - 6 CEC's Gary Kent, PSM

Standard Detail Requirements for ALTA/NSPS Land Title Surveys became effective in 2016, and the program presenter continues to field questions on the ALTA/NSPS Standards from across the country multiple times a week. These questions range from certification issues to research issues to dealing with atypical surveys and more.

This program will emphasize the most significant additions and modifications found in the 2016 standards in addition to addressing certification issues, dealing with lenders, the optional items of Table A, and the Relative Positional Precision measurement standard.

Gary Kent is in his 36th year with Schneider Geomatics in Indianapolis. He is a past-president of ACSM and ISPLS. From 1999-2006 he taught boundary law, legal descriptions, property surveying, and land survey systems for Purdue University. Gary has served on the Indiana State Board of Registration for Professional Surveyors since 2004 and is frequently sought as an expert witness in cases involving boundaries, easements, and survey standards. He has chaired both the NSPS and ALTA committees on the ALTA/NSPS Standards since 1995, and has presented programs in all 50 states and three times in Europe.

64th Annual Conference Speakers & Bios

Seminars

Thursday, July 25th
8:00 am - 10:30 am

Seminar I



Court Testimony & the Presentation of Forensic Evidence **Course #9665 - 3 CECs** **Don Wilson, PSM**

An overview of judicial procedure, rules of court and rules of evidence, and the role of the expert witness. Emphasis is placed on the surveyor-attorney relationship and working with forensic evidence, including trace evidence, and cold cases.

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Seminar II



Sea Level, Tidal Date & Water Boundaries **Course #9666 - 3 CEC's** **George M. Cole, PLS, PE, PhD**

This presentation will be based on a publication in development which will be a much updated version of the venerable WATER BOUNDARIES book (John Wiley & Sons, 1996) and will cover some interesting new twists.

The major topics will include the following: Sea Level Change, Tidal Variation and Datum Planes, Tidal Coastal Boundaries, Riparian and Littoral Boundaries, and Boundaries for Riparian and Littoral Rights.

George M. Cole, is a professional surveyor, engineer, and geographer. His background includes directing hydrographic and geodetic surveys as a commissioned officer of the U.S. Coast & Geodetic Survey (now NOAA); service as the State Cadastral Surveyor for Florida; as a private consultant directing private surveying and mapping operations in both the United States and Latin America; as a visiting professor at the University of Puerto Rico; and currently continues as an adjunct professor at the Florida State University and at the University of Puerto Rico. In addition, he has served as technical advisor to several states on boundary issues; and has provided expert testimony to a number of local, state and federal courts. Dr. Cole has also made significant contributions to professional literature and is the author of several surveying textbooks (with notable examples being *Water Boundaries*, John Wiley & Sons, *Surveyor Reference Manual*, Professional Publications, and *Land Tenure, Boundary Surveying and Cadastral Systems* (with Don Wilson), CRC Press).

64th Annual Conference Speakers & Bios

Seminars

Saturday, July 27th

8:30 am - 3:10 pm

Track I - All Day Course

Current Topics in Florida Surveying Laws and Rules Course #9670 - 6 CECs - Panel Discussion

This seminar is a panel-led exploration and discussion of laws, rules, and issues of timely relevance to Florida Surveyors

Saturday, July 27th

8:30 am - 10:10 am

Track II - Tier I A-C



A) The New FPRN: A Top to Bottom Tour Course #9668 - 2 CECs / Ron Hanson, PSM

This course will review, discuss and explain how to use the New Florida Permanent Reference Network (FPRN) web pages and customer portal.

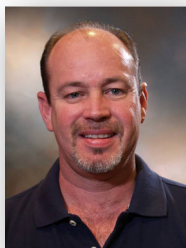
Ronald "Ron" Hanson, PSM, is a Florida Professional Surveyor and Mapper. He is employed by the Florida Department of Transportation, Office of Transportation Technology, Civil Integrated Management Branch, Surveying and Mapping Bureau as the Florida Permanent Reference Network (FPRN) Manager. Ron has a survey career that spans 33 years with 19 years as a PSM. Ron was one of the first users of the FPRN to receive Real Time corrections. He has been managing the FPRN since January 1, 2013.



B) Municipal and County Govt. Survey and Platting Review Course #9667 - 2 CECs / Richard Allen, PSM

Overview of the review process from a government surveyor from subdivision platting and as-built surveys to other survey review. What do we see, what do we expect?

Richard Allen is a licensed surveyor and has over twenty years of survey experience, more than ten of which have been with the City of Orlando. He is the Survey Project Coordinator for the City of Orlando. Richard has a Bachelor's Degree in Business Management with additional coursework in GIS and surveying.



C) The History of Surveying Course #9673 - 2 CECs / Mike Garcia, PSM

Some of the more remarkable architectural achievements of ancient civilized societies would have never been possible without knowledge of basic surveying principles. The Great Pyramids of Egypt and the Roman Aqueducts exist, in part, as a testament to the surveyor's skill. Less obvious, but equally significant are the various concepts, tools, and methods established in the ancient and recent past that shape modern land surveying.

Mike Garcia, PSM, is a licensed Florida Professional Surveyor and Mapper. A native of Florida with over thirty seven years of experience, his diverse background includes Boundary and Topographic Surveys, Right of Way Mapping, Control Networks, GIS data applications, and Asset Management. Mr. Garcia has been employed by Seminole County Government for twenty six years and is currently a Program Manager with the County's Engineering Division. He is an active member of the Florida Surveying and Mapping Society and a Past President of the Central Florida Chapter.

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*Saturday, July 27th
10:30 am - 12:10 pm
Track II - Tier II A & B*

A) Survey Pro Class - Course #9669 - 2 CECs / Earl Soeder, PSM & Joe Binder

Learn about what's new in Survey Pro: Gain a better understanding of receiver settings, robot controls, and the overall logic of the Survey Pro workflow. Also learn about the new licensing process for Windows10 devices – what does that mean for you? This class will be able to answer lingering questions you may have so be sure to get involved in the discussion.



Earl Soeder is a licensed Professional Surveyor & Mapper and Registered in Florida and has been surveying for 33 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, Florida Atlantic University 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 & Spectra products from Surveying/Engineering Systems to Mapping grade products.



After learning a few things about Economics at the University of Colorado, Boulder, Joe moved to California and began his career in the surveying industry in 1989 with a local dealer supporting Wild, Topcon and Trimble products. Moving back to Colorado in 1994, Joe began working for a manufacturer directly, Topcon, covering the Central US. After following an early path into Laser Scanning in 2000, Joe joined Tripod Data Systems in 2003 and has been responsible for the West and now East region since that time, enjoying the rapid and tremendous growth of TDS becoming Spectra Precision Survey, and now Spectra Geospatial, a division of Trimble.

B) Professionalism & Ethics - Course #8358 - 2 CECs Jack Breed 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. Breed's experience has encompassed all phases of infrastructure planning and development, in Surveying and Mapping, Engineering, Environmental Sciences, Planning, Design and Agency Permitting and Construction Management. His career has focused on Public Infrastructure projects and Education within his professions. He has provided complete project services, from program management to planning and design through permitting and construction for a diverse array of projects. As a Professional Surveyor and Mapper, he has been responsible for route/right-of-way, sectional retracement, boundary, construction, topographic, hydrographic and geodetic control surveys for roadways, electric transmission lines, transportation projects, land acquisition / conservation projects, watershed modeling, and commercial and residential developments. Mr. Breed's credentials as an Educator combined with his expertise in resolution of complex boundary and title problems has established him as an Expert Witness throughout the State of Florida, particularly in eminent domain proceedings and professional practices issues.

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*Saturday, July 27th
10:30 am - 12:10 pm
Track II - Tier II C*

C) Field Safety Course #9391 - 2 CEC's 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 asset – its people

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. He became a company partner in 2003. Greg 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.

*Saturday, July 27th
1:30 pm - 3:10 pm
Track II - Tier III A*

A) The Surveyor and LiDAR System Technology Course #9672 - 2 CECs Mike Cook



This course will explain lidar system technology with specific focus on the role of the traditional surveyor within the process. The course will provide a fundamental understanding of how to specify, assess, analyze and extract deliverable information from lidar system data.

Michael Cook has 10 years of experience in the LiDAR industry, long enough to be one of the originating team members for TopoDOT. Their primary product is TopoDOT®, a point cloud software solution to manage data and assess its quality and extract high quality topographies, assets, and 3D models from point clouds and images. Michael is also a part of the TopoLIFT™ family, a spin off from TopoDOT, which is an innovation in tripod platform technology to dramatically improve laser scanning productivity. Michael is a cross platform individual, a LiDAR Specialist by day and an Engineer by night. Michael holds a Bachelor of Science in Mechanical Engineering from the University of Central Florida.

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*Saturday, July 27th
1:30 pm - 3:10 pm
Track II - Tier III B & C*



B) Building a GIS Practice from a Foundation in Surveying and Mapping

Course #9671 - 2 CECs

Sam Hall, PSM

With our specific skills centered on accurate and timely data collection, analysis, and map production, it's only natural for licensed survey professionals to bring the benefit of our expertise to clients in growing GIS markets. Implementing a plan to access these markets can be challenging, and leveraging that skill set to the benefit of new applications can be intimidating. The course will focus on the defining the role of the surveyor in the GIS marketplace; provide an examination of geospatial/GIS markets and those market's projected growth; hiring for success; and discuss how a firm foot print in traditional surveying, LiDAR, data collection, and analysis can be used to build a GIS practice at a traditional surveying firm.

Sam Hall, PSM, currently serves as Vice President at WGI, a Florida-based multidiscipline engineering and consulting firm. His 20 years of experience have included a wide variety of professional assignments supporting various public and private sector clients including various Departments of Transportation, the US Army Corps of Engineers, Florida's Water Management Districts, and the Department of the Interior's National Parks Service. He has served as an instructor for numerous seminars and workshops for FSMS, FES, and the GISCI.



C) Field Notes

Course #9389 - 2 CECs

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 errors 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. He 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 FSMS for over 25 years.