



THE FLORIDA SURVEYOR

July 2021
Volume XXIX, Issue 7

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Cover Photo courtesy of the
Sawgrass Marriott Golf Resort
& Spa in Jacksonville, FL.

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PRESIDENT'S message

Hope you had a great Independence Day weekend!

I am really looking forward to seeing you at YOUR 66th Annual FSMS Conference July 28 – 31, at the Sawgrass Marriott Resort, in Ponte Vedra Beach, Florida. Room registrations have exceeded our “room block”, so we are expecting a great turn out. We have a great schedule of education seminars, and activities.

If you have not registered for the Conference, please do so as soon as possible so we can ensure that we have enough space set up for each event.

- Welcome BBQ on Wednesday evening, Top Golf on Thursday & the Banquet Friday evening are a lot of fun, and offer great opportunities to mingle with other surveyors.

Wednesday and Thursday, we have some great seminars, with some new offerings.

- Dr. Stacey Lyle, RPLS, is presenting a 2 day seminar for Surveyors in Training – Fundamentals of Professional Surveying – preparation for the NCEES Fundamentals of Surveying test.
- Gary Kent, PSM, has 2 seminars – Art of Retracement on Wednesday, and Changes in ALTA Standards on Thursday – Both subjects, and very relevant to the work that most of us do.
- David Melvin, PSM, is presenting Boundary Survey Issues for Florida Surveyors on Wednesday.
- Dr. George Cole, presenting Sea Level, Tidal Data and Water Boundaries

Please also make time to attend the Legislative Reception, Thursday evening. The proceeds for this event support the FSM Political Action Committee (FSM-PAC). This is a great time to hear from a local legislator about what is going on in Legislature, and how proposed legislation can impact our profession.

Saturday, we have Certified Survey Technician (CST) Exams – Please encourage your technical staff, both field and office, to consider a CST exam.

To those of you who have already signed up for our Annual Conference in July, thank you very much, and if you want to add a seminar, or event to your registration, please do so as soon as possible.

Hope to see YOU at YOUR conference!



President

Hal Peters

(352) 304-9534

hpeters@gpinet.com

Conference Schedule 2021

Wednesday, July 28

7:00am - 5:00pm	Conference Registration Desk Open	<i>Masters Reg. Desk</i>
7:30am - 8:00am	Seminar Sign In	<i>Masters Reg. Desk</i>
8:00am - 10:00am	Seminar / Meeting - Session 1 Art of Retracement Course #10114 - 6 CEC Hours Instructor: Gary Kent, PSM	<i>Masters ABCD</i>
8:00am - 10:00am	Seminar / Meeting Session 2 Boundary Surveying Issues for Florida Surveyors Course #9331 - 6 CEC Hours - CE53 Instructor: David Melvin, PSM	<i>Masters E</i>
8:00am - 10:00am	Seminar - 2 Day Course (Day 1) Fundamentals of Prof. Surveying Course #10116 - 16 CEC Hours Instructor: Dr. Stacey Lyle, RPLS	<i>Players B & C</i>
10:00am - 10:15am	Break (All seminars)	<i>Masters Foyer</i>
10:15am - 11:45am	Seminar / Meeting - Session 1 Art of Retracement Course #10114 - 6 CEC Hours Instructor: Gary Kent, PSM	<i>Masters ABCD</i>
10:15am - 11:45am	Seminar / Meeting Session 2 Boundary Surveying Issues for Florida Surveyors Course #9331 - 6 CEC Hours - CE53 Instructor: David Melvin, PSM	<i>Masters E</i>
10:15am - 11:45am	Seminar - 2 Day Course (Day 1) Fundamentals of Prof. Surveying Course #10116 - 16 CEC Hours Instructor: Dr. Stacey Lyle, RPLS	<i>Players BC</i>
11:45am - 1:00pm	Lunch on your own (All seminars)	
1:00pm - 3:00pm	Seminar / Meeting - Session 1 Art of Retracement Course #10114 - 6 CEC Hours Instructor: Gary Kent, PSM	<i>Masters ABCD</i>
1:00pm - 3:00pm	Seminar / Meeting Session 2 Boundary Surveying Issues for Florida Surveyors Course #9331 - 6 CEC Hours - CE53 Instructor: David Melvin, PSM	<i>Masters E</i>
1:00pm - 3:00pm	Seminar - 2 Day Course (Day 1) Fundamentals of Prof. Surveying Course #10116 - 16 CEC Hours Instructor: Dr. Stacey Lyle, RPLS	<i>Players BC</i>
3:00pm - 3:15pm	Break (All seminars)	<i>Masters Foyer</i>
3:15pm - 4:30pm	Seminar - 2 Day Course (Day 1) Fundamentals of Prof. Surveying Course #10116 - 16 CEC Hours Instructor: Dr. Stacey Lyle, RPLS	<i>Players BC</i>
3:15pm - 4:30pm	Surveying & Mapping Council	<i>Heritage ABC</i>
4:30pm - 5:00pm	Executive Committee Meeting	<i>Heritage DE</i>
6:00pm - 9:00pm	BBQ Dinner ("Wednesday" arm band <i>required</i>)	<i>Masters ABCDE</i>
8:00pm - 10:00pm	Cornhole Tournament (Sign up at Registration Desk)	<i>Masters ABCDE</i>

Thursday, July 29

7:00am - 5:00pm	Conference Registration Desk Open	<i>Masters Reg. Desk</i>
7:30am - 8:00am	Seminar Sign In	<i>Masters Reg. Desk</i>
8:00am - 10:30am	Seminar / Meeting - Session 1 Changes in ALTA Standards Course #10115 - 3 CEC Hours Instructor: Gary Kent, PSM	<i>Masters ABCD</i>








Conference Schedule 2021

8:00am - 10:30am	Seminar / Meeting Session 2 Sea Level, Tidal Data, and Water Boundaries <i>Masters E</i> Course #9666 - 3 CEC Hours Instructor: George Cole, PLS, PE, PhD	
8:00am - 10:30am	Seminar - 2 Day Course (Day 2) Fundamentals of Prof. Surveying <i>Players BC</i> Course #10116 - 16 CEC Hours Instructor: Dr. Stacey Lyle, RPLS	
10:30am - 10:45am	Break (All seminars)	<i>Masters Foyer</i>
10:45am - 11:45am	Seminar - 2 Day Course (Day 2) Fundamentals of Prof. Surveying <i>Players BC</i> Course #10116 - 16 CEC Hours Instructor: Dr. Stacey Lyle, RPLS	
10:45am - 11:15am	Depart for Topgolf (Green arm band <i>required</i>)	<i>Off-Site Venue</i>
11:45am - 1:00pm	Lunch on your own	<i>Off-Site Venue</i>
12:00pm - 4:00pm	Exhibitor/Vendor Set-Up	<i>Champions ABCDE</i>
1:00pm - 3:00pm	Seminar - 2 Day Course (Day 2) Fundamentals of Prof. Surveying <i>Players BC</i> Course #10116 - 16 CEC Hours Instructor: Dr. Stacey Lyle, RPLS	
3:00pm - 3:15pm	Break	<i>Masters Foyer</i>
3:15pm - 4:30pm	Seminar - 2 Day Course (Day 2) Fundamentals of Prof. Surveying <i>Players BC</i> Course #10116 - 16 CEC Hours Instructor: Dr. Stacey Lyle, RPLS	
3:30pm - 4:00pm	Return from Topgolf	
4:00pm - 4:10pm	Exhibit Hall Grand Opening	<i>Champions ABCDE</i>
4:10pm - 5:30pm	Exhibitor Reception ("Attendee" badge <i>required</i>)	<i>Champions ABCDE</i>
6:00pm - 8:00pm	Legislative Reception	<i>Arbor Ballroom</i>
9:00am - 12:00am	Game Night	<i>Arbor Ballroom</i>
<u>Friday, July 30</u>		
7:00am - 5:00pm	Conference Registration Desk Open	<i>Masters Reg. Desk</i>
7:00am - 8:00am	Breakfast (FSMS Members Only)	<i>Heritage CDE</i>
7:30am - 8:00am	General Business Session - Sign-In	<i>Masters ABCDE</i>
7:30am - 5:00pm	Exhibit Hall Open	<i>Champions ABCDE</i>
8:00am - 9:30am	General Business Session	<i>Masters ABCDE</i>
9:30am - 10:00am	Break (General Business Session)	<i>Masters ABCDE</i>
10:00am - 12:00pm	General Business Session	<i>Masters ABCDE</i>
12:00pm - 1:00pm	Exhibitor Luncheon ("Admit One" arm band <i>required</i>)	<i>Champions H</i>
1:00pm - 3:00pm	FDOT - Town Hall (<i>Open to all</i>)	<i>Champions FG</i>
2:00pm - 5:00pm	NSPS	<i>Champions H</i>
3:00pm - 4:00pm	Geospatial Users Group	<i>Champions FG</i>
4:00pm - 5:00pm	Surveyors in Government	<i>Heritage ABC</i>
6:30pm - 7:00pm	Cocktail Reception	<i>Masters ABCDE</i>
7:00pm - 10:00pm	Recognition Dinner (VIP or Smiley Face (child) arm band <i>required</i>)	<i>Masters ABCDE</i>
10:00pm - 11:00pm	President's Reception	<i>Cascades Deck</i>
<u>Saturday, July 31</u>		
7:00am - 12:00pm	Conference Registration Desk Open	<i>Masters Reg. Desk</i>
7:30am - 11:00am	Exhibit Hall Open	<i>Champions ABCDE</i>
8:00am - 5:00pm	Certified Survey Technician (CST) Exam	<i>Masters C</i>
8:00am - 8:30am	Seminar Sign-In	<i>Each Classroom</i>
	<u>Saturday Tech Sessions</u> (<i>Registration Required</i>)	
8:30am - 10:10am	All Day Session Chapter 177 <i>Masters D</i> Course #10113 - 6 CEC Hours Panel Discussion - Moderator: Richard Allen	

Conference Schedule 2021

8:30am - 10:10am	Morning Segments	Data Fusion <i>Masters E</i>
		Course #10106 - 2 CEC Hours Instructors: Craig Emrick, PSM, Sherry Grymko, PSM, Nick DiGruttolo, PSM
		Updates on the Modernized NSRS (2022) and NGS Products <i>Heritage AB</i>
		Course #10107 - 2 CEC Hours Instructor: (Virtual) Denis Riordan, NOAA, NGS
10:10am – 10:30am		Future of Florida Surveyors and Mappers <i>Heritage CDE</i>
		Course #10108, 2 CEC Hours Group Discussion - Moderator: Jack Breed, PSM
10:30am - 12:10pm	Mid-Morning Segments	Standards of Practice <i>Masters E</i>
		Course #10109 - 2 CEC Hours Instructor: Howard Ehmke II, PSM
		Human Performance & Safety <i>Heritage AB</i>
		Course #10110 - 2 CEC Hours Instructor: Greg Prather, PSM
		Professionalism & Ethics <i>Heritage CDE</i>
		Course #9391 - 2 CEC Hours Instructor: Robin Petzold, PSM
12:10pm – 1:30pm		Lunch (<i>On Your Own</i>)
1:30pm - 3:00pm	Afternoon Segments	Trimble Connect - Spectra Central Cloud Services <i>Masters E</i>
		Course #10118 - 2 CEC Hours Instructor: Earl Soeder, PSM
		Aerial Mapping & Accuracy <i>Heritage AB</i>
		Course #10111 - 2 CEC Hours Instructor: Jason Heywood, PSM, ASPRS CP, SP
		PLS vs. Metes & Bounds States <i>Heritage CDE</i>
		Course #10112 - 2 CEC Hours Instructor: Sam Hall, PSM
3:15pm – 5:00pm		Board Meeting <i>Champions FG</i>

Event Armband & Ticket Guide

<u>Wednesday</u> -	Welcome BBQ:	Wednesday Armband	
		Yellow Drink Ticket	
<u>Thursday</u> -	Topgolf:	Green Armband	
	Exhibitor Reception:	Red or Green Name Badge <i>Required</i>	
	Legislative Reception:	Flag Armband	
<u>Friday</u> -	Exhibitor Luncheon:	Admit One Armband	
	Banquet - Adult:	VIP Armband	
	Banquet - Child:	Smiley Face Armband	

NEED TO TAKE THE CST EXAM?



What: CST (paper) exam
Where: FSMS Conference at the
Sawgrass Marriott Resort
When: July 31st, 8 a.m.

Advance Registration Required!

[Click Here:](#)

[Deadline for application submittal to NSPS is
July 10th](#)

Questions?

Contact Alex Jenkins
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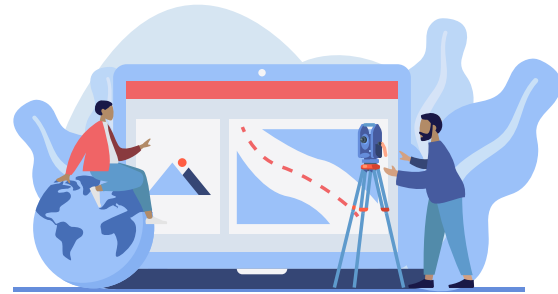


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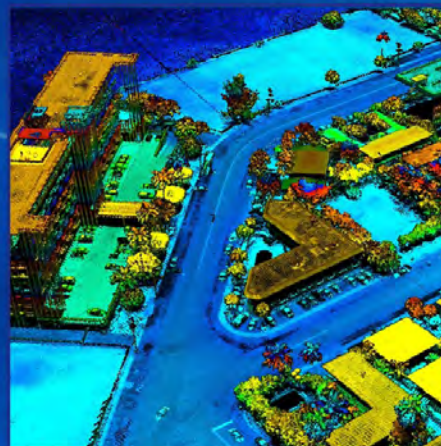
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Around the State



Photo and text courtesy of KEITH: "Surveyors play an integral role in land development, from the planning and design of land subdivisions through to the final construction of roads, utilities and landscaping."

Photo and text courtesy of GPI:

“With the recent return of four astronauts from the International Space Station splashing down off of the coast of Florida earlier this week, we thought it was only appropriate for us to show off some of the work that GPI is conducting at the Kennedy Space Center property for Space Florida. We are proud to support our nation’s space exploration efforts and are fortunate to have the opportunity to provide geospatial services for this unique program.”



Conference Seminars

Wednesday, July 28th

Seminar 1

8:00 am —
3:00 pm



Art of Retracement
Course #10114 - 6 CEC's
Gary Kent, PSM

Every professional surveyor across the United States knows the phrase "Follow in the Footsteps" as it relates to conducting a boundary retracement survey. But what does it really mean and what is the basis for following the footsteps? And exactly whose footsteps are we talking about? Surveyors also know the effect of the statute of frauds is that what is written in the conveyancing document is considered by the courts to be the highest and best expression of the parties' intentions. But what happens when the evidence of the footsteps on the ground conflicts with the written title? What if there are seemingly no footsteps to follow? What then? In this program we will explore the concept of retracement, how it relates to and is dependent on the document of conveyance, and what controls when conflicts are inevitably encountered. When armed with a full understanding of the concept of retracement, surveyors will be much better equipped to help steer their clients (and their affected neighbors) away from the pain and cost of litigation, and towards an amicable solution based on well-placed confidence and understanding of their respective roles and responsibilities.

Gary Kent is a Professional Surveyor with Schneider Geomatics in Indianapolis. After 37 years, he transitioned to part-time status in 2020 and formed Meridian Land Consulting, LLC to provide training, consulting and expert witness services. Gary has served on the Indiana Board of Registration for Professional Surveyors since 2004 and is a past-president of both ACSM and the Indiana Society of Professional Land Surveyors. He has also served as Chair of the Joint ALTA/NSPS Committee responsible for the ALTA/NSPS Standards since 1995. Gary has presented programs on easements and rights of way, survey standards, boundary law, and other surveying-related topics in all 50 states.

Seminar 2

8:00 am —
3:00 pm



Boundary Surveying Issues for Florida Surveyors
Course #9331 - 6 CEC's — CE53
David Melvin, PSM

The seminar deals with boundary surveying in the State of Florida. Many surveyors all over the State of Florida make boundary surveys for their clients. Revisions made in July of 2018 in the wording of boundary survey standards in Florida have made boundary surveys a very topical subject. The revisions have brought to light the complexities involved in performing a boundary survey. In the opinions of many boundary surveyors the new wording in Florida's standards reflects an apparent reawakening to boundary surveying requirements which are based in the law. Florida surveyors need to reexamine their boundary surveying practices. This seminar provides an excellent opportunity to make such an examination of boundary surveying issues.

David Melvin, PSM, is a Professional Land Surveyor with over 40 years of experience in the surveying and mapping profession. He graduated from the University of Florida in 1981 with a degree focused on land surveying. In 2003 he started Land Pro Seminars, a board-certified continuing education provider for surveyors and engineers. David's chosen areas of expertise are land and water boundaries, floodplain mapping, jurisdictional wetlands, and land surveyors' regulatory issues.

Thursday, July 29th

Seminar 1

8:00 am —
10:30 am



Changes to ALTA Standards
Course #10115 - 3 CEC's
Gary Kent, PS

After 2 years of work on the part of the Joint ALTA/NSPS Committee, the proposed 2021 ALTA/NSPS Land Title Survey Standards were adopted in August, approved by ALTA and NSPS in October, and they became effective on February 23, 2021. This program will outline the many changes from the 2016 Standards and provide an explanation of what each means to the surveyor. In addition, an overview of the entire set of 2021 Standards will be provided including detailed explanation of the relationship between Land Title Surveys and title insurance. Finally, some common questions that arise in the process of performing a Land Title Survey will be discussed.

Gary Kent is a Professional Surveyor with Schneider Geomatics in Indianapolis. After 37 years, he transitioned to part-time status in 2020 and formed Meridian Land Consulting, LLC to provide training, consulting and expert witness services. Gary has served on the Indiana Board of Registration for Professional Surveyors since 2004 and is a past-president of both ACSM and the Indiana Society of Professional Land Surveyors. He has also served as Chair of the Joint ALTA/NSPS Committee responsible for the ALTA/NSPS Standards since 1995. Gary has presented programs on easements and rights of way, survey standards, boundary law, and other surveying-related topics in all 50 states.

Conference Seminars

Thursday, July 29th

Seminar I
8:00 am —
10:30 am



Sea Level, Tidal Data & Water Boundaries
Course #9666 - 3 CEC's
George 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).

Wednesday & Thursday, July 28th & 29th

8:00 am—
4:30 pm



Fundamentals of Professional Surveying - SIT Prep Course
Course #10116 - 16 CEC's
Dr. Stacey Lyle, RPLS

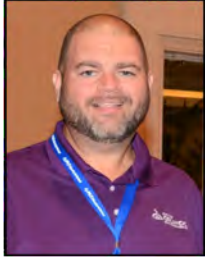
Interactive course following a workbook on the NCEES's Fundamentals of Surveying Exam. The Fundamentals of Surveying (FS) exam is generally the first step in the process to becoming a professional licensed surveyor (P.S.). The is designed for recent graduates and students who are close to finishing an undergraduate surveying degree from an ABET accredited program. This course will summarize the following: 1. Review FS Exam Format and Exam Taking Skills; 2. Math and Science of Professional Surveying; 3. History of Surveying; 4. Mapping Processes and Methods; 5. Boundary Construction Workflow; 6. Geodesy; 7. Photogrammetry/Hydrography; 8. Engineering Surveying; 9. Business Law; and 10. Fundamental of Surveying Exam Problem Solving

Dr. Stacey Lyle, RPLS, Associate Professor of Practice Texas A&M University College of Engineering and College of Geoscience where he teaches Surveying, Engineering, and Geosciences graduate and undergraduate courses. Dr. Lyle is a Licensed Professional Land Surveyor with 30 years of experience in Land Surveying, Geodesy, Hydrographic Surveying, and Photogrammetry with over 30 peer-review publication. He holds a BS in Engineering, a MS Computer Science, and a PhD in Geography. He has worked for Wimpol (Fugro Chance) as an offshore surveyor, for Leica Geosystems as GPS and Photogrammetry Expert, and Director of Machine Control, and was a Research Scientist with Conrad Blucher Institute for Surveying Science at Texas A&M University- Corpus Christi as an Associate Professor in the Geographic Information Science and Geospatial Engineering Programs. Dr. Lyle is the 2021-2022 ABET Engineering Accreditation Commission's Commissioner representing the National Society of Professional Surveyors. He is a former NASA Faculty Fellow, USDA Faculty Fellow, and NOAA NGS Honouree for work developing High Accuracy Reference Networks. And in 2013 he was invited to the United Nations for the Global Geospatial Information Management as the Energy Industry Representative. Dr. Lyle has testified as an expert witness on Federal and State court cases on Land Boundary/ Oil& Gas issues acted as an expert to industry to US Congress and US Senate, to the State of Texas Railroad Commission and to the Board of Professional Land Surveyors on regulations. He has also co-authored State regulatory Rules and Acts with State Boards. Currently, Dr. Lyle is a Subject Matter Expert with BP's onshore Lower 48 operation as the Survey Lead working with the new Technical Information Management team to drive business with Geospatial solutions and capabilities.

Conference Seminars

Saturday, July 31st (All Day Course)

8:30 am—
3:00 pm



Chapter 177

Course # 10113 - 6 CECs

Panel Discussion - Moderators: Richard Allen, PSM, CFM & Matt Kalus, PE, PSM

Panel to Discuss Proposing Changes to Florida Statutes Chapter 177.

The discussion will cover the history of FS 177 and what is the intent of the statute. Discussion will include proposed changes and what discussions there have been thus far and to gather additional positions on the legislation. The importance of subdividing and platting real property is becoming increasingly important as more development takes place in the state and the discussion on what is the purpose and what are the requirements become increasingly important. It must also be discussed that the use of the plat for legal or planning purposes outside of the platting of real property is becoming more prevalent and overburdensome as it has no place on the plat.

Richard Allen, PSM, CFM, is the City Surveyor for the City of Orlando. Richard has over 24 years of land surveying experience and has been with the City of Orlando for the last 15 years. He oversees the survey activities for the City of Orlando and manages the survey section. Richard is the Surveyors in Government Liaison for FSMS and is the Secretary for the Geospatial Users Group. In addition he is the Region 5 Director for the Florida Floodplain Managers Association representing Central Florida.

Matt Kalus, PE, PSM, is a Senior Surveyor and Mapper in the Development Engineering Division of Public Works for Orange County Government. Matt has extensive experience in surveying, mapping, GIS and engineering. His current role is the review and approval of subdivision plats and for development across Orange County. He has also worked for the Orange County Property Appraisers Office in the GIS Mapping section and for Lake County Government.

Saturday, July 31st (2 Hr. Morning Segments)

8:30 am—
10:10 am



Data Fusion

Course #10106 — 2 CEC's

Craig Emrick, Sherry Grymko, Nick DiGruttolo

This course includes a brief summary of technologies used for data collection and how to fuse this data together to create a seamless dataset. Technologies included in this course are Airborne LiDAR, Terrestrial scanners and Single/Multi-Beam Hydrographic Surveying. The course is designed to provide an understanding of the various datasets created with different technologies (Air, Land, Water) and how to merge them together to provide the full topographic picture.

Craig Emrick is a native Floridian and has been involved in surveying since 1993 in both the public and private sectors statewide. He is a 2002 graduate of the University of Florida's Geomatics Program and is a licensed surveyor in the States of Florida and Alabama. Craig is Pickett's Vice President of Geospatial Services and is responsible for the management, execution, and quality control of various aerial surveying projects throughout the US and Caribbean.



Sherry Grymko has been involved in the surveying and mapping field since 2002 when she began her career at Pickett and Associates. She graduated from Penn State University with a Bachelor's in Surveying, and the University of Florida with a Master of Science in Geomatics in 2004. Her experience includes hydrographic surveys, boundary surveys, topographic surveys, ALTA/ACSM title surveys, "as-built" surveys, photogrammetric geodetic ground control, volume computations and GIS mapping. Ms. Grymko is the Survey Manager and Lead Project Surveyor for all hydrographic surveys and has extensive knowledge of single beam and multibeam hydrographic survey data collection and processing.



Nick DiGruttolo has been surveying since 1988 and spent 15 years working as a field crew chief for Sarasota County before moving to Gainesville to pursue his bachelors in Geomatics. After obtaining the bachelor's degree, Nick obtained surveying licenses in Florida, Georgia and Mississippi and completed a MSc and PhD with a concentration in geomatics while working for Northrop Grumman Advanced Geospatial Intelligence Operating Unit. At Northrop Grumman, Nick managed surveying and mapping projects mainly in support of the Naval Facilities Engineering Command, which involved establishing control for LiDAR and photogrammetry projects and producing real estate base maps for Navy installations. Nick currently works for Pickett and Associates as a Survey Manager supporting electrical utility projects.

Conference Seminars

Saturday, July 31st (2 Hr. Morning Segments)

8:30 am—
10:10 am

Updates on the Modernized NSRS (2022) and NGS Products
Course # 10107- 2 CECs
Denis Riordan, Gulf Coast Region Geodetic Advisor, NOAA, National Geodetic Survey (VIRTUAL)



The National Geodetic Survey continues to work on the updated 2022 Datums for the U.S., now being called the "Modernization of the National Spatial Reference System" (NSRS). This presentation will provide updated information on the state of that NSRS modernization project, along with discussion on related NGS products such as, coordinated transformations using NCAT, deprecation of the U.S. Survey Foot, the NGS GPS on Benchmark project, and the latest on OPUS products.

Denis Riordan, has worked with the National Geodetic Survey (NGS) for the past 16 years and serves as the Geodetic Advisor for the NGS Gulf Coast Region (AL, FL, LA, & MS). He works to support those who use NGS products and services (products like the National Spatial Reference Frame (NSRS). He holds a B.S. Degree in Surveying and Mapping from the University of Florida, is a licensed surveyor in the State of Florida, and worked for over ten years with private industry in the field of land surveying prior to joining NGS

8:30 am —
10:10 am

Future of Florida Surveyors and Mappers
Course #10108 — 2 CEC's
Moderated by: Jack Breed



The Florida Surveyor and Mapper

- ... *A Professional?*
- *A Tradesman?*
- *Licensed or Certified?*
- *Educated, Experienced and Tested?*
- *The Grandfathered Majority or the Educated Minority?*
- *Two-tiered license?*

Jack Breed will serve as the Moderator of a no-holds-barred, no-sacred-cows group discussion of the future of our grand old Profession (Trade?) This is not for the timid, and it's most certainly not a time for poor manners. Join in the mutual respect and camaraderie of your fellow Surveyors and let's hash it out. If you are not a member, pay your dues before offering your opinion!

J.N. "Jack" Breed, P.L.S. is a Fellow, Life Member, and Past President of the Florida Surveying and Mapping Society, and currently serves our profession as the Chairman of both the Legal and Legislative Committees. Mr. Breed is a High Honors graduate of the University of Florida College of Engineering, with a 1982 Bachelor's Degree in Land Surveying. In addition to being one of the Founders of CivilSurv Design Group, Inc., he is an Adjunct Instructor in the School of Forest, Fisheries and Geomatics Sciences (FFGS) in the University of Florida's College of Agriculture & Life Sciences. He is a Florida-licensed Professional Surveyor and Mapper (LS4089), an FDACS BPSM approved Continuing Education Provider (CE77), and serves on the UF Geomatics Program Advisory Committee and the FFGS Advisory Board. The grandfather of a sixth-generation Floridian, Mr. Breed is active in many arenas, including serving as an Elder and Bible Instructor in the Associate Reformed Presbyterian Church, Founding Chairman of the Geneva Classical Academy, and holding active memberships in the National Society of Professional Surveyors, the Lakeland Chamber of Commerce, the Ridge League of Cities, the Lakes Management Society, the Sebring Historical Society, the Coastal Conservation Association, Ducks Unlimited, and the National Rifle Association. Mr. Breed is the CC&BW for the world-renowned Grove In The Swamp Barbecue Team, and a Life Ambassador for Maker's Mark.

Mr. Breed's 40+ years of experience has included leading all phases of infrastructure planning and development in Surveying and Mapping, Engineering, Environmental Sciences, Planning, Design, Agency Permitting, and Construction Management. His career has focused on Public Infrastructure 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.

Conference Seminars

Saturday, July 31st (2 Hr. Mid-Morning Segments)

10:30 am —
12:10 pm

Standards of Practice
Course #10109 - 2 CEC's
Howard Ehmke II

This course will look at the Standards of Practice



Howard Ehmke, PSM earned his Associate in Science Degree in Land Surveying from Palm Beach Junior College in 1979 and an Associate in Arts Degree in Building Construction from Palm Beach Junior College in 1973. Mr. Ehmke earned his Florida Professional Surveyor and Mapper License in 1985 (License number 4191). He has worked for the South Florida Water Management District for the past 46 years. In 1999 he was a co Project Manager for the CERP Geodetic Vertical Control Project a joint survey control project of the Army Corps of Engineers and the South Florida Water Management District (SFWMD). In 2008 he served as President of the Indian River Chapter of the Florida Surveying and Mapping Society (FSMS). He also served as chairman of the Florida Surveying and Mapping Council for FSMS. Worked at the South Florida Water Management District for 45+ years. Member of the Board of Professional Surveyors and Mappers from 2009-2017. FSMS District 3 Board Member 2020-

10:30 am —
12:10 pm

Human Performance & Safety
Course #10110 — 2 CEC's
Greg Prather, PSM

This discussion will focus on safety and how human performance tools can improve workplace safety, or can they?



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 and is a hands-on leader. He has held several positions at the Chapter level of FSMS and currently the District 4 Director. He remains an active member of FSMS and is Chair of the Education Committee and a member of the Ethics and Professional Practice Committee.

10:30 am —
12:10 pm

Professionalism & Ethics
Course #9391— 2 CEC's
Robin Petzold, 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.



Robin Petzold recently retired after 40 years in the surveying industry. He was a senior partner with the firm of Wantman Group, Inc. headquartered in West Palm Beach with offices throughout the country. In addition, he served on the Board of Professional Surveyors and Mappers from 2010 to 2018 and continues to serve on the Probable Cause Panel as a past Board member. Robin currently serves on the EPS committee and has served on several past Committees including Surveying Task Force, PAKS, Education, National Surveying Award to name a few with The National Council of Examiners for Engineering and Surveying

Mr. Petzold currently holds degrees in Business, Land Surveying, and Animal Science. He began surveying in 1981 while studying Land Surveying at Palm Beach Junior College, which eventually became Palm Beach State College. While attending school and working full time, he also served as an adjunct faculty instructor at PBSC in the surveying program from 1982 to 1994, teaching basic surveying, route geometrics, and measurement science. Mr. Petzold holds surveying licenses in Florida, Alabama, Ohio, Iowa, and Wisconsin.

Conference Seminars

Saturday, July 31st (2 Hr. Afternoon Segments)

1:30 pm —
3:00 pm



Trimble Connect - Spectra Central Cloud Services
Course #10118 - 2 CEC's - CE91
Earl Soeder, PSM

This course will go over Trimble connect / Spectra Central Cloud services – How to create account, set up account and implement for field to office contactless data transfer. Also configuring hardware i.e. Base & Rover internet data collection including best practices. We will discuss best practices as well as warnings “things not to do” procedures.

Earl Soeder is a licensed Professional Surveyor & Mapper and Registered in Florida and has been surveying for 36 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 as an associate scientist at Florida Atlantic University Geospatial department 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

1:30 pm —
3:00 pm



Aerial Mapping & Accuracy
Course #10111 — 2 CEC's
Jason Heywood

This discussion will focus on safety and how human performance tools can improve workplace safety, or can they?

Jason Heywood is the President of DroneView Technologies. An aerial mapping and geospatial services company based in Southeast Michigan. He is an ASPRS Certified Photogrammetrist (CP) a Florida Professional Surveyor and Mapper (PSM) and is a Virginia licensed Surveyor Photogrammetrist (SP). He earned his Bachelor's degree at Staffordshire University in England, and his Master's degree at Eastern Michigan University. He is an active member of several national and state professional geospatial organizations and is the Past-President of the Eastern Great Lakes Region of the American Society for Photogrammetry and Remote Sensing [ASPRS]. His 25 years of experience providing aerial mapping and geospatial services include projects for federal, state, municipal and private clients.

1:30 pm —
3:00 pm



PLS vs. Metes & Bounds States
Course #10112— 2 CEC's
Sam Hall, PSM

Meets, Bounds, Meanders, and Public Lands

A Comparison of Meets and Bounds vs the Public Land Survey System

This course will discuss the history of each system including the challenges that led to the Land Act of 1785, the order of calls, retracement challenges in each system, and various differences between Florida boundary law and various regions within the 13 Colonial States.

Sam Hall, PSM has 22 years of experience, the majority of which has been spent supporting public infrastructure development in the southeast region in the U.S. He is licensed as a professional surveyor in Florida, Maine, and New Hampshire. His experience covers a broad range of surveying and mapping aspects, including traditional boundary retracement, GNSS positioning, remote sensing, and subsurface utility engineering surveys. He's currently a Vice President at DRMP, Inc., a multidiscipline engineering consulting firm headquartered in Orlando, Florida.



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DAY ONE - WORKBOOK TECHNICAL REVIEW

1. Workbook Introduction
NCEES Exam Format
2. Surveying Mathematics
3. History of Surveying
4. Geodesy and GNSS
5. Photogrammetry and
Mapping
6. Topographic Surveying
7. Boundary Surveying
8. Route Surveying

DAY TWO - ANALYTICAL REVIEW

1. PLSS and Metes/Bounds
2. Contract Law
3. Business Concepts
4. Transfer of Ownership
5. Boundary Law
6. Boundary Construction
7. Exam Practice Questions
8. Exam Practice Questions

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July 28-31
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- **Basics of Real Property, #8359, 3 CEC**
- **Digital Signatures for Surveyors, #8491, 3 CEC**
- **Easements and Rights of Ways, #9945, 3 CEC *2020 UPDATED COURSE**
- **Elevation Certificates and the Community Rating System, #8257, 3 CEC *2020 UPDATED COURSE**
- **Introduction to Photogrammetry, #7887, 3 CEC**
- **Quality Assurance/Quality Control for the Design Professional and Technical Staff, #9293, 3 CEC**
- **Writing Boundary Descriptions, #8361, 3 CEC *2020 UPDATED COURSE**

6 Hour Courses Available

- **Boundaries in Florida, #7667, 6 CEC**
- **Chapter 177, Platting (Plat Law), #6970, 6 CEC**
- **Critical Communication for Surveying & Mapping Professionals, #7228, 6 CEC**
- **Ethics for the Design Professional, #8620, 6 CEC**
- **Florida Laws, #6966, 6 CEC**
- **Florida Surveying Law and Rule Changes, #9574, 6 CEC**
- **Geographic Information Systems (GIS), #7107, 6 CEC**
- **History of Surveying, #7108, 6 CEC**
- **Identification of Native and Non-Native Trees in Florida, #7874, 6 CEC *2020 UPDATED COURSE**
- **Land Tenure and Cadastral Systems, #7829, 6 CEC**
- **Map Projections and Plane Coordinate Systems, #7669, 6 CEC**
- **Practical Geometry for Surveyors, #7109, 6 CEC**
- **Public Land Survey System, #6979, 6 CEC**
- **Remote Sensing Applications to Surveying & Mapping, #6972, 6 CEC**

FSMS Correspondence Courses

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Step 2: Choose Member Type

<i>EMAILED</i>	Fee	Quantity	Amount
6 CEC	\$115 Per Course	x _____ = \$ _____	
3 CEC	\$58 Per Course	x _____ = \$ _____	
<i>MAILED</i>			
6 CEC	\$125 Per Course	x _____ = \$ _____	
3 CEC	\$68 Per Course	x _____ = \$ _____	
TOTAL			\$ _____

Non-Member

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6 CEC	\$135 Per Course	x _____ = \$ _____	
3 CEC	\$78 Per Course	x _____ = \$ _____	
<i>MAILED</i>			
6 CEC	\$145 Per Course	x _____ = \$ _____	
3 CEC	\$88 Per Course	x _____ = \$ _____	
TOTAL			\$ _____

Non-Licensed in ANY State

<i>EMAILED</i>	Fee	Quantity	Amount
6 CEC	\$100 Per Course	x _____ = \$ _____	
3 CEC	\$60 Per Course	x _____ = \$ _____	
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- Identification of Native & Non-Native Trees in Florida - Course #8132
- Ethics for the Design Professional - Course #8621
- Land Tenure & Cadastral Systems - Course # 8260
- Map Projections & Plane Coordinate Systems - Course #8261
- Mean High Water Observations & Computations - Course #8262
- Public Land Survey System - Course #7147
- Remote Sensing Applications to Surveying & Mapping - Course #7148
- Practical Geometry for Surveyors - Course #7141

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- Basics of Real Property - Course #8360
- Contracts for the Professional- Course #8412
- Elevation Certificates & the Community Rating System - Course #8256
- Introduction to Photogrammetry - Course #7968
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FROM THE



ARCHIVES



Local Land Surveyors Scout For Future Prospects During Merit Badge Program

by David McMillen, PSM

On Saturday, May 20, the Ormond Beach Recreational Facility was the site for a full day of instruction for nine participants from the local Boy Scout Troop # 403 in preparation to earn their "Land Surveying Merit Badge." The program was made available through McMillen Land Surveying of Ormond Beach in conjunction with the Volusia County Chapter. The boy scouts were required to perform a number of activities that are outlined as being merit badge requirements being also similar to the common day to day activities that Land Surveyors perform on a regular basis utilizing instruments and methods equivalent to today's technology. Each scout was able to accomplish their required tasks and was found to be very enthusiastic through out the entire day.

It is my opinion that many people have misconceptions about the Surveying and Mapping profession, what our normal day-to-day duties are, the amount of effort that is required in producing a survey and what in general is required to become a licensed surveyor and mapper in the State of Florida. These key issues (and many others) were topic of discussion during this program. The scouts were given the ability to perform hands on tasks with state of the art equipment to give them an idea of what would be typical field and office procedures while also providing attention to accuracy.



Group photo of scouts and instructors, starting from back row moving left to right; David McMillen (Instructor), McMillen Land Surveying (Event organizer), Anthony Canzone (Instructor), Nick Curtin, Pat May (Instructor), Brad Buckles, Kevin Gardner (Instructor), Ben Rhodes, Cole Johnson, Alex Scalf, Eric D., David Fischer, Austin McMillen, and Cory Salami.

The goal of our program, which concentrated mainly on land surveying, was not only to make each of the attending scouts eligible to earn their merit badge, but ultimately to expose them to closely-related professions as well. With today's stringent eligibility requirements for taking the state exam to become a Florida-licensed Professional Surveyor and Mapper, the availability of new prospects or candidates for the profession, licensed or not, has become a rare commodity.

The Florida Surveying and Mapping Society pays a great deal of attention to education and the future of its profession. I believe it is up to the current surveying community or profession at large to promote and educate people so that they have the ability or interest to enter the work force in this profession, or at the very least educate the general public as to the typical activities and responsibilities of a Professional Surveyor and Mapper or land surveying firm. Hopefully from this program we will entice at least one of the scouts to pursue future employment or further education in this or other closely related field, what I have found to be a satisfying and rewarding career. 🇺🇸



Scout Alex Scalf sighting through level C.



Scout Cole Johnson sighting through transit on traverse course with instructor Kevin Gardner as on-looker.



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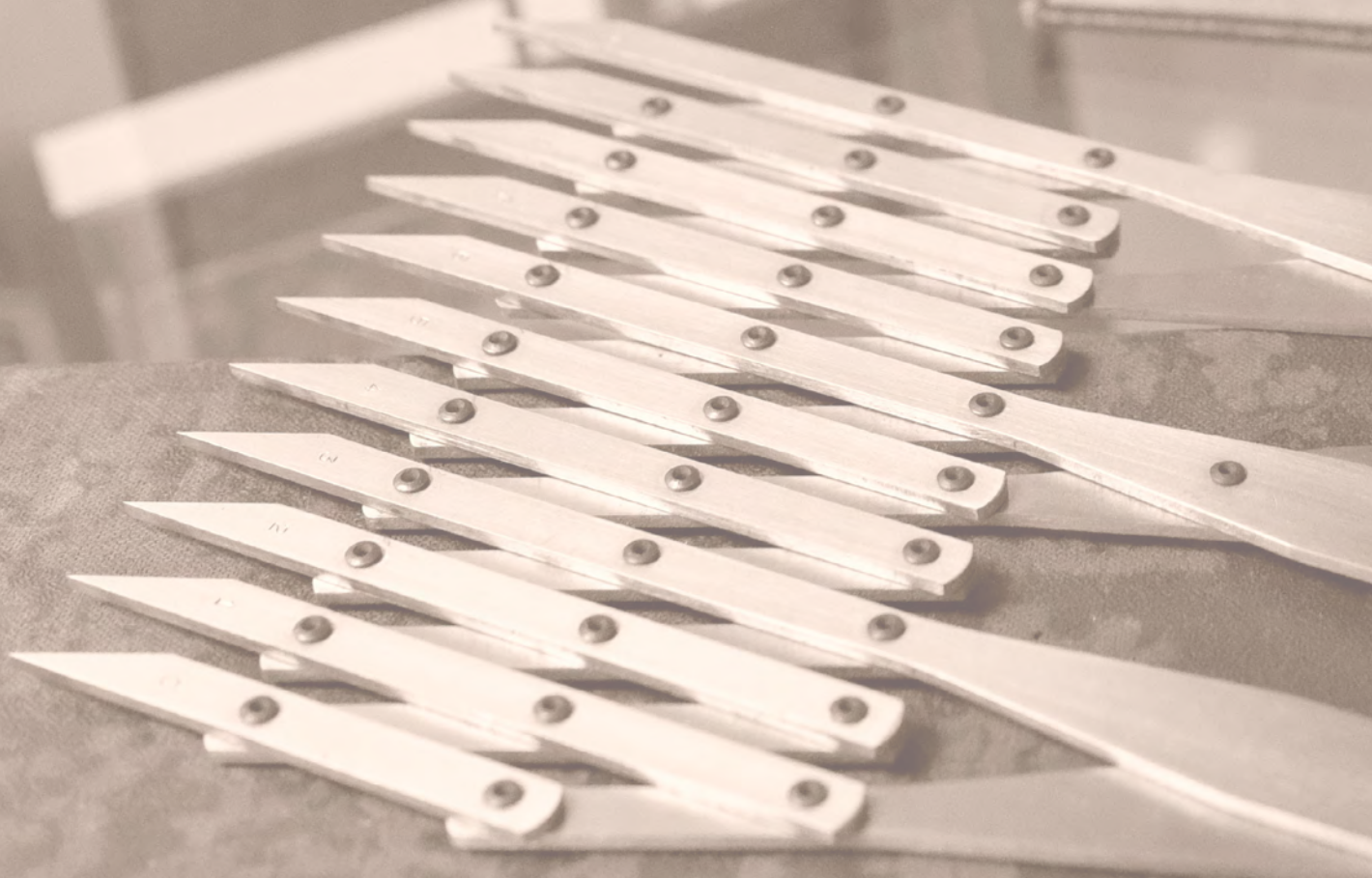
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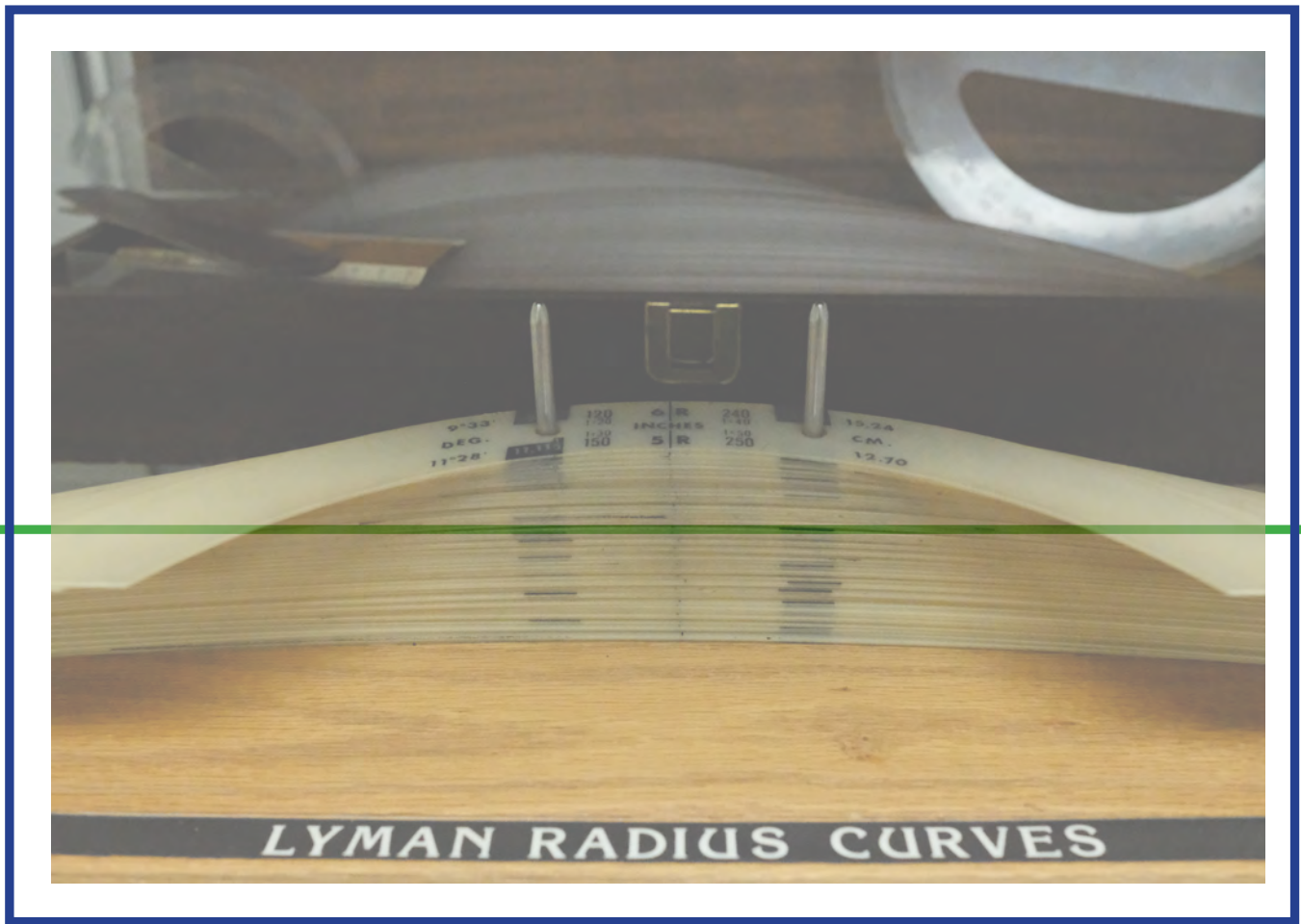
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Bock & Clark Corporation	330-665-4821
Bohler	561-571-0280
Bowman Consulting Group	703-464-1000
Brown & Phillips, Inc.	561-615-3988

BSE Consultants, Inc.	321-725-3674
Buchanan & Harper, Inc.	850-763-7427
Bussen-Mayer Engineering Group, Inc.	321-453-0010
C	
Calvin, Giordano, & Associates	954-921-7781
Carlson Environmental Consultants, PC	561-371-2402
Carter Associates, Inc.	772-562-4191
Caulfield & Wheeler	561-392-1991
Chastain-Skillman, Inc.	863-646-1402
Causseaux, Hewett & Walpole, Inc.	352-331-1976
CivilSurv Design Group, Inc.	863-646-4771
Clary & Associates, Inc.	904-260-2703
Clements Surveying, Inc.	941-729-6690
Coastal Engineering Associates, Inc.	352-796-9423
Collins Survey Consulting, LLC.	863-937-9052
Compass Engineering & Surveying, Inc.	727-822-4151
Compass Point Surveyors, PL	954-332-8181
County Wide Surveying, Inc.	850-769-0345
Cousins Surveyors & Associates, Inc.	954-689-7766
CPH, Inc.	407-322-6841
Craven-Thompson & Associates	954-739-6400
Cross Surveying, LLC.	941-748-8340
Culpepper & Terpening Inc.	772-464-3537
Cumbey & Fair	727-324-1070
D	
Dagostino Geospatial, Inc.	239-352-6085
DeGrove Surveyors, Inc.	904-722-0400
Dennis J. Leavy & Associates	561-753-0650
Dewberry	321-354-9729
DMK Associates, Inc.	941-475-6596
Donald W. McIntosh Associates, Inc.	407-644-4068

Donoghue Construction Layout, LLC.	321-248-7979
Douglass, Leavy & Associates, Inc.	954-344-7994
DRMP, Inc.	407-896-0594
DroneView Technologies	248-321-9417
DSW Surveying & Mapping, PLC.	352-735-3796
Duncan Parnell	407-601-5816
Durden Surveying & Mapping, Inc.	904-853-6822

E	
Echezabal & Associates, Inc.	813-933-2505
ECHO UES, Inc.	888-778-3246
Eda Consultants, Inc.	352-373-3541
E.F. Gaines Surveying Services, Inc.	239-418-0126
Eiland & Associates, Inc.	904-272-1000
Element Engineering Group, LLC.	813-386-2101
Engenuity Group, Inc.	561-655-1151
Engineering Design & Construction, Inc.	772-462-2455
ER Brownell & Associates, Inc.	305-860-3866
ESP Associates	813-295-9024
ETM Surveying & Mapping	904-642-8550
Exacta Land Surveyors, Inc.	305-668-6169
F	
Ferguson Land Surveyors	727-230-9606
First Choice Surveying, Inc.	407-951-3425
Florida Design Consultant, Inc.	727-849-7588
Florida Engineering & Surveying, LLC.	941-485-3100
F.R. Aleman & Associates, Inc.	305-591-8777
F.R.S. & Associates, Inc.	561-478-7178
FLT Geosystems	954-763-5300
Fortin, Leavy, Skiles, Inc.	305-653-4493
FTE Engineers & Planners	800-639-4851

G	
Gary Allen Land Surveying	850-877-0541
Geoline Surveying	386-418-0500
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Geo Networking, Inc.	407-549-5075
GeoPoint Surveying, Inc.	813-248-8888
GeoSurv, LLC.	877-407-3734
George F. Young, Inc.	727-822-4317
Germaine Surveying, Inc.	863-385-6856
GPI Geospatial, Inc.	407-851-7880
Gustin, Cothorn & Tucker, Inc.	850-678-5141
H	
H.L. Bennett & Associates, Inc.	863-675-8882
Hanson Professional Services, Inc.	217-788-2450
Hanson, Walter & Associates, Inc.	407-847-9433
Hole Montes, Inc.	239-254-2000
HUB International - RGVI	850-386-1111
Hyatt Survey Services	941-748-4693
I	
I.F. Rooks & Associates, LLC.	813-752-2113
J	
John Ibarra & Associates, Inc.	305-262-0400
John Mella & Associates, Inc.	813-232-9441
Johnston's Surveying, Inc.	407-847-2179

K	
KCI Technologies	954-776-1616
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Kendrick Land Surveying	863-533-4874
L	
L&S Diversified, LLC.	407-681-3836
Land Precision Corporation	727-796-2737
Landmark Engineering & Surveying Corporation	813-621-7841
Langan Engineering	973-560-4900
Leading Edge Land Services, Inc.	407-351-6730
Leiter Perez & Associates	305-652-5133
Lengemann Corp.	800-342-9238
Leo Mills & Associates	941-722-2460
Long Surveying, Inc.	407-330-9717
Ludovici & Orange Consulting Engineers	305-448-1600
M	
Manuel G. Vera & Associates, Inc.	305-221-6210
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Maser Consulting, P.A.	813-207-1061
Massey-Richards Surveying & Mapping, LLC.	305-853-0066
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McLaughlin Engineering, Co.	954-763-7611
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Mock Roos & Associates, Inc.	561-683-3113
Moore Bass Consulting, Inc.	850-222-5678
Morris-Depew Associates, Inc.	239-337-3993
Murphy's Land Surveying	727-347-8740

N	
Navigation Electronics, Inc.	337-237-1413
Northstar Geomatics, Inc.	772-485-1415
Northwest Surveying, Inc.	813-889-9236
NV5, Inc.	407-896-3317
O	
On The Mark Surveying, LLC.	321-626-6376
P	
PEC Surveying & Mapping	407-542-4967
Pennoni Associates, Inc.	215-222-3000
Pickett & Associates, Inc.	863-533-9095
Platinum Surveying & Mapping, LLC.	863-904-4699
Point Break Surveying	941-378-4797
Polaris Associates, Inc.	727-461-6113
Porter Geographical Positioning & Surveying, Inc.	863-853-1496
Pro-Line Survey Supply	904-620-0500
Pulice Land Surveyors, Inc.	954-572-1777
Q	
Q Grady Minor & Associates, PA	239-947-1144
R	
Reece & White Land Surveying, Inc.	305-872-1348
Richard P. Clarson & Associates, Inc.	904-396-2623
R.M. Barrineau & Associates, Inc.	352-622-3133
R.J. Rhodes Engineering, Inc.	941-924-1600
Robayna and Associates, Inc.	305-823-9316
Rogers, Gunter, Vaughn Insurance, Inc. (HUB FL)	850-386-1111

S	
SAM Surveying & Mapping, LLC.	850-385-1179
SCR & Associates NWFL, Inc.	850-265-6979
Sergio Redondo & Associates, Inc.	305-378-4443
Settimio Consulting Services	850-341-0507
SGC Engineering, LLC.	407-637-2588
Shah Drotos & Associates, PA	954-943-9433
Shannon Surveying, Inc.	407-774-8372
Sherco, Inc.	863-453-4113
Sliger & Associates	386-761-5385
S&ME, Inc.	407-975-1273
Southeastern Surveying & Mapping Corp.	407-292-8580
Spalding DeDecker Associates, Inc.	248-844-5400
Stephen H. Gibbs Land Surveyors, Inc.	954-923-7666
Stoner & Associates, Inc.	954-585-0997
Strayer Surveying & Mapping, Inc.	941-497-1290
Surv-Kap	520-622-6011
SurvTech Solutions, Inc.	813-621-4929
T	
T2 UES Inc.	407-629-7144
Thurman Roddenberry, & Associates	850-962-2538

U	
Upham, Inc.	386-672-9515
W	
Wade Surveying, Inc.	352-753-6511
Wallace Surveying Corp.	561-640-4551
Wantman Group Inc.	561-687-2220
WBQ Design & Engineering, Inc.	407-839-4300
Winningham & Fradley, Inc.	954-771-7440
Woolpert, Inc.	937-531-1322
Z	
ZNS Engineering, LLC.	941-748-8080

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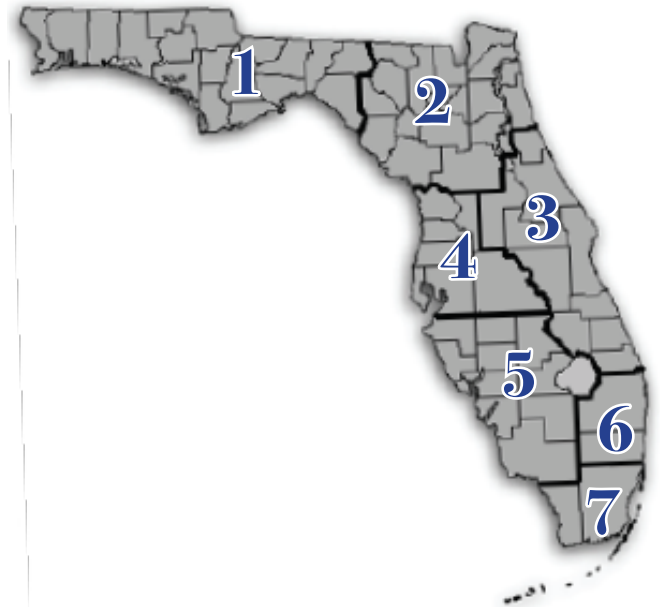
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NSPS Director

Russell Hyatt
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Additional Information

Past Presidents

1956

H.O. Peters
Harry C. Schwebke
John P. Goggin
R.H. Jones

1960

Hugh A. Binyon
Russell H. DeGrove
Perry C. McGriff
Carl E. Johnson

James A. Thigpenn, III
Harold A. Schuler, Jr.
Shields E. Clark
Maurice E. Berry II
William C. Hart
Frank R. Schilling, Jr.

1970

William V. Keith
James M. King
Broward P. Davis
E.R. (Ed) Brownell
E.W. (Gene) Stoner
Lewis H. Kent
Robert S. Harris
Paul T. O'Hargan
William G. Wallace, Jr.
Robert W. Wigglesworth

1980

Ben P. Blackburn
William B. Thompson, II
John R. Gargis
Robert A. Bannerman
H. Bruce Durden
Buell H. Harper
Jan L. Skipper
Steven M. Woods
Stephen G. Vrabel
W. Lamar Evers

1990

Joseph S. Boggs
Robert L. Graham
Nicholas D. Miller
Loren E. Mercer
Kent Green
Robert D. Cross
Thomas L. Conner
Gordon R. Niles, Jr.
Dennis E. Blankenship
W. Lanier Mathews, II
Jack Breed

2000

Arthur A. Mastronicola
Michael H. Maxwell
John M. Clyatt
David W. Schryver
Stephen M. Gordon
Richard G. Powell
Michael J. Whiting
Robert W. Jackson, Jr.
Pablo Ferrari
Steve Stinson

2010

Dan Ferrans
Jeremiah Slaymaker
Ken Glass
Russell Hyatt
Bill Rowe
Dale Bradshaw
Lou Campanile, Jr.
Bob Strayer, Jr.
Dianne Collins
Don Elder

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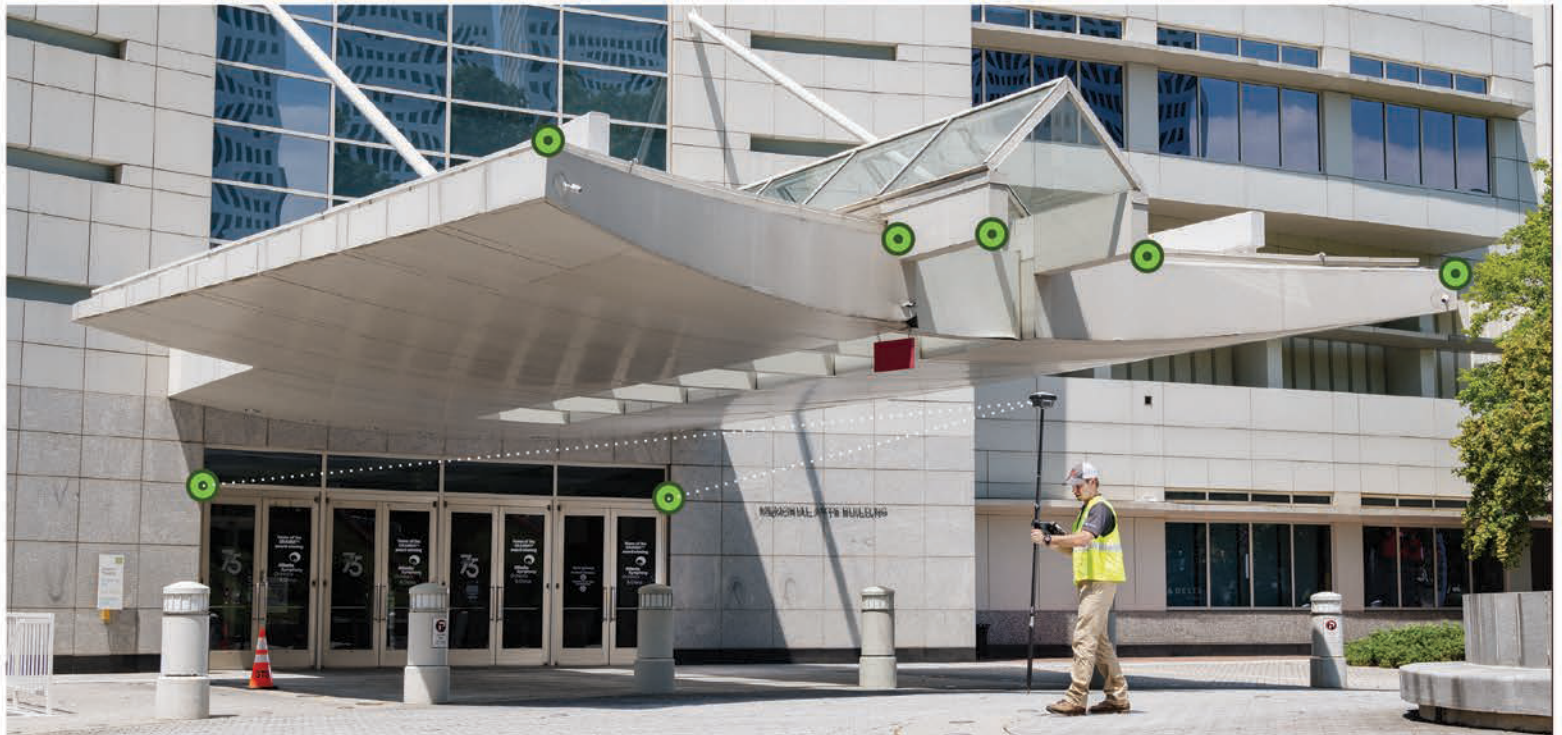
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