



# THE FLORIDA SURVEYOR

March 2021  
Volume XXIX, Issue 3

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# 2021 FSMS

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# PRESIDENT'S message

“March”ing into Spring!!

My part of Central Florida is in “full spring mode” – the days are getting longer and warmer, trees are starting to bloom, and the Surveying & Mapping world is very busy! Hope all is well in your part of the world.

Our State legislators are in session, so FSMS has been keeping a close eye on filed bills that could impact our profession. Again this year, a bill was filed in the House (HB 821), together with a matching bill in the Senate (SB 1132) to remove the 4 year degree requirement and roll back experience requirements for licensure as Surveyor & Mapper in the State of Florida. As a profession, our 4 year degree requirement is vital to our professional status, and supporting the professional, technical, and legal skills required of our profession. The current licensure requirements, including a 4 year degree, and at least 4 years surveying & mapping experience serves to protect the public, and maintain the high quality of Surveyors & Mappers that we have in the State of Florida.

Please reach out to your local State House and Senate members to oppose these bills, as they would degrade the skills of our profession.

Our 66th Annual FSMS Conference is ON SCHEDULE for July 28 – 31, at the Marriott Resort Sawgrass, in Ponte Vedra Beach, Florida. Last week Tom and I did a walk through the resort to finalize conference rooms, and layout. It is a BEAUTIFUL facility, and I am excited to see everyone “in person” again. Please make plans to attend the conference, to see old friends, make new friends, and see the newest surveying equipment in the exhibit hall!!



**President**

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## Now considering PSM / PLS candidates for job openings in two locations (Port Orange, FL & St. Johns/Duval County FL)

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For more info please contact Tony Bazile via email [Tbazile@sligerassociates.com](mailto:Tbazile@sligerassociates.com)



Thank you Roger Wheeler for this beautiful shot captured of the Emerald Coast!

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Contact: Maraliese Beveridge  
maraliese.beveridge@colliersengineering.com  
877.627.3772 ext. 3307

## **FOR IMMEDIATE RELEASE**

### **Maser Consulting is Now Colliers Engineering & Design**

**RED BANK, NJ / National Headquarters – February 22, 2021** – Maser Consulting, a national multi-discipline engineering design firm, is pleased to announce the completion of its rebranding as Colliers Engineering & Design. In 2020, Colliers (NASDAQ, TSX: CIGI), a leading global commercial real estate services and investment management firm, acquired a controlling interest in Maser Consulting. This resulted in a unique partnership enabling both firms to realize their growth objectives.

“We are excited to leverage Colliers’ well-known and respected global platform, relationships and resources to assist our clients to fully optimize their opportunities and aspirations.” said Kevin L. Haney, PE, President and CEO of Colliers Engineering & Design (formerly Maser Consulting).

“We are looking forward to working with the talented and entrepreneurial team from Colliers Engineering & Design” said Elias Mulamoottil, Head, Strategic Investments | Global of Colliers. “By combining their best-in-class service offerings with our globally recognized brand and service platform, we can accelerate the success of clients and continue to exceed their expectations in the years to come.”

Under Colliers’ decentralized business model, Colliers Engineering & Design maintains Maser Consulting’s senior leadership, systems and values. Reinforced by more than three decades of expertise as Maser Consulting, their reputation for excellence will continue to be a priority in helping clients reach their goals.

###

#### **About Colliers Engineering & Design**

Colliers Engineering & Design is a trusted provider of multi-discipline engineering, design and consulting services to public and private sector clients. Headquartered in Red Bank, New Jersey with 36 offices throughout the United States, we specialize in providing a comprehensive suite of services including civil / site, transportation, geospatial / survey, infrastructure, governmental, geotechnical / environmental, telecommunications and utilities. We employ over 1,000 talented professionals who utilize the most advanced technologies to deliver customized solutions for our clients. Learn more at [www.colliersengineering.com](http://www.colliersengineering.com).

#### **About Colliers**

Colliers (NASDAQ, TSX: CIGI) is a leading diversified professional services and investment management company. With operations in 68 countries, our more than 15,000 enterprising professionals work collaboratively to provide expert advice to maximize the value of property for real estate occupiers, owners and investors. For more than 25 years, our experienced leadership, owning approximately 40% of our equity, has delivered compound annual investment returns of almost 20% for shareholders. In 2019, corporate revenues were more than \$3.0 billion (\$3.5 billion including affiliates), with \$33 billion of assets under management in our investment management segment. Learn more about how we accelerate success at [corporate.colliers.com](http://corporate.colliers.com), Twitter @Colliers or LinkedIn.

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Florida Surveying & Mapping Society

# 2021 Exhibitor Opportunities

July 28-31  
66<sup>th</sup> Annual Conference



*Sawgrass Marriott Golf Resort & Spa  
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EXHIBITOR OPPORTUNITIES!**



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**66<sup>th</sup> Annual  
FSMS Conference**

**July 28<sup>th</sup> - 31<sup>st</sup>, 2021**

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# Around the State



Left: Jenelle Schmidli and her daughter Ava Jade.

"Let me introduce you to the next Surveyor In Training, my daughter, Ms. Ava Jade. I feel absolutely blessed that she is interested in the family business and we got to spend the day together while she learned the tricks of the trade. Here's to the next generation of surveyors," says Jenelle.





Left: KD Construction of Florida is getting it done with their new Trimble RTS Robotic Total Station.

With 79% of contractors having a hard time filling some or all positions many are looking at ways to get more done with less labor and a Trimble Robotic Total Station can help with this situation and many others.

Please reach out to them for an office/site demo of their Trimble RTS.

Thank you Juan Herrera for this contribution!



**Florida Board of Professional Surveyors and Mappers**

FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES  
NICOLE "NIKKI" FRIED, COMMISSIONER



This is to certify that

**ERICK B. BENNETT**

has furnished satisfactory evidence of attainments and qualifications, and has complied with all of Chapter 472, Florida Statutes, and is hereby duly licensed as a

**Professional Surveyor and Mapper**

In conformity with an act of the Legislature of the state of Florida, creating and regulating that profession.

**License Number:** LS7301

**Licensed Date:** JANUARY 6, 2021

*Nicole Fried*

NICOLE "NIKKI" FRIED  
Commissioner, Florida Department of Agriculture and Consumer Services

*Nicholas Campanile*

NICHOLAS CAMPANILE  
Chair, Florida Board of Professional Surveyors and Mappers

Above: "I am proud to announce that after years of hard work and dedication, I am officially a Professional Surveyor & Mapper! I could not have done it without the great education from the University of Florida Geomatics Program and all of the great mentors I've had throughout my last four plus years of real world training and experience," Erick Bennett, PSM.

Congratulations Erick!

# SURVEYORS IN government

By: Richard Allen,  
PSM, CFM

Photo by: Macu Ic

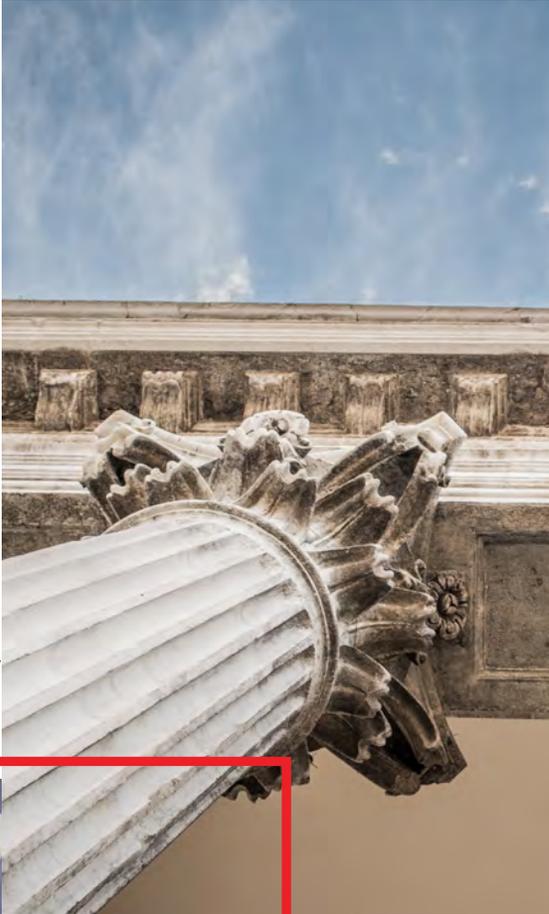


Photo by: David Beale

Another year is upon us, as is new legislation from the Florida Legislature that impacts the surveying profession. Last year and again this year, there is a desire to remove or alter the education requirement for licensure and the amount of time to learn the profession before licensure can be sought. As we have seen in the past, this was due to someone not being qualified for licensure as it currently stands. Should a license be reciprocal in every state? I would say no, especially when you bring into account the requirements that are required are so diverse state to state. Most states require a four-year degree to be able to secure your license. This has become the minimum requirement to ascertain your license in Florida and most of the other states and territories. There was a case decades ago not to have a four-year degree requirement. That is when there was an apprenticeship within survey companies and survey businesses.

There was a timeline to follow and learn to apprentice and then eventually become a licensed surveyor. Those days are gone, especially when you consider the knowledge that is now needed to collect data. Many do not understand or fully comprehend how the equipment they are using is fully working or collecting the data. I am not knocking the employees and those who are out there surveying, but I am not sure how much knowledge is being passed on. I am sure many do not calibrate their total stations for the environment they are working in. I find the same thing with RTK, where many believe what they are collecting is sufficient data without localizing to known control to make sure it is good data and continually redundantly checking to make sure it is. This is the knowledge that used to be gained through the process of starting as a rodman or chainman and working your way up to instrument man and party chief. Then one would work up to become a drafter and then ultimately a signing surveyor once they had the knowledge to do so. I hear nowadays that employees are promoted to party chiefs with just one year of experience. I find that difficult to understand, as I have been in this profession for over 25 years, and I am still learning all of the time.

Surveying is not just a job; it is a lifelong dedication. This is pushing the responsibility of ensuring a proper survey on the licensed professional to ensure they are instilling knowledge into their staff and making sure proper procedures are followed.

With the change of moving to a degree requirement, this was a necessary change, we need to understand how important this job is and the dedication required to become a professional. That is not to merely have the title as a professional, in which it has been deemed as a requirement by the Florida Supreme Court, but more importantly our role of protecting the public. The land surveying profession is absolutely important and the methods in how surveys are being conducted is critical. Remember we are working with an individual's or a family's most valuable asset. Having the necessary education and job knowledge is critical. In HB 821, three years of surveying experience would replace the college degree requirement. Then with two additional years could be a licensed surveyor if they pass the licensure exam.

With an Associate's of Arts degree in four years working for a surveyor, not even explicitly under responsible charge could sit for the licensure exam. As long it is of a nature that construes, they are under responsible charge. These acts if passed are likely to lead to substantial damage to the public in having the public interest and protection removed for the existing statutes. The seriousness of the knowledge required by a surveyor is not clear in the re-write of this language.

I see the language proposed relegating land surveying to a vocation and not a profession. A profession in Florida has been clearly defined as one that must have a four-year degree.

“More significantly, the Fifth District held that: [t]he Moransais ‘exception’ to the economic loss rule is limited to suits against individual ‘professionals,’ which our supreme court narrowly defined as a person engaged in a ‘vocation requiring at a minimum a four-year college degree before licensing is possible in Florida (emphasis added).’ Id. at 1181, citing Moransais at 977 (quoting Garden v. Frier,” [https://www.floridasupremecourt.org/content/download/346711/file/11-263\\_JurisIni.pdf](https://www.floridasupremecourt.org/content/download/346711/file/11-263_JurisIni.pdf) (1995)

A compromise to add more avenues for licensure will require reestablishing the apprenticeship programs of years ago to make sure those who could be licensed without a college degree have the necessary knowledge of working with real property, understand how senior and junior rights are involved and have a comprehension of how to write, find, understand, and apply legal instruments to the boundaries, easements, or other conveyances affecting the survey in which is being prepared. This would be just a minor part of the overall knowledge needed to prepare a boundary survey, let alone having the knowledge of locating monumentation and the order of importance in what to hold and accept.

**“I see the language proposed relegating land surveying to a vocation and not a profession. A profession in Florida has been clearly defined as one that must have a four-year degree...”**

**RICHARD ALLEN, PSM, CFM**

We are in the era of measurement heavy decision making; further degradation of principles and knowledge will only worsen the impact that landowners will experience. Most of the points I am making in this article relate to boundary surveying, but they carry into every aspect of the profession or possibly soon to be trade. That will take the action of my fellow professionals and government counterparts to participate in if that change is to occur or if we continue to grow the profession to a place of importance that it truly should be. Milton Denny, a well-known professor and land surveyor, told me that boundary surveying is the most crucial role of a land surveyor, and if we cannot do that, then we should not be allowed to practice.

As a government surveyor, I truly see HB 821 as detrimental to the public and all of the landowners in my jurisdiction but to those across the state. Now mind you, I take nothing away from those who were grand-fathered prior to the degree requirement being enacted, some of you are the best surveyors I know, but as stated you worked up through an apprenticeship or devoted your life to a profession and not just a paycheck. To you I commend you, but times have changed and so have the needed requirements of our profession. A degree is vital, as too are the current years of experience needed to sit for licensure.

Sincerely,  
Richard Allen  
You can reach me at [Richard.Allen@orlando.gov](mailto:Richard.Allen@orlando.gov) or  
407.246.2788.



Photo by: Noah Baughman

## **Trimble Launches Dimensions Spotlight Series for 2021**

### On-Demand Series Kicks Off with Focus on Infrastructure

SUNNYVALE, Calif., Feb. 25, 2021—Trimble (NASDAQ: TRMB) announced today the launch of its new Dimensions Spotlight Series. Beginning in March, the on-demand series will be available throughout 2021 and include topics on Reviving the U.S. Infrastructure, the Evolving Workforce, Sustainability and Automation.

Trimble Dimensions Spotlight Series will be a no-cost learning experience filled with insights from industry experts on topics driving change in today's fast-paced world. Each Spotlight theme will include unique episodes offering visionary thought leadership to inspire and transform the way industrial technology professionals work.

"Before the pandemic, many organizations were on a digital transformation journey. This global crisis not only accelerated that journey, it has forced companies to pivot to a 'better normal' that is redefining how we connect and collaborate now and beyond the pandemic," said Rob Painter, Trimble's president and CEO. "Our Spotlight Series is one answer to this 'better normal', which will allow us to address industry challenges and present real solutions that can help companies grow and thrive by improving productivity, quality, safety, transparency and sustainability."

The first Trimble Dimensions Spotlight Series will focus on:

#### Reviving the U.S. Infrastructure

Targeting the aging U.S. infrastructure, industry experts will share their thoughts on the role of advanced technology and processes in supporting informed, data-driven decisions, and why smart technology is vital to revive our nation's infrastructure and stimulate our economy.

#### Episode 1: Unleashing the Power of Collaboration and Data for Digital Delivery – Available March 10

Difficult challenges surround construction technology adoption and the use of data in digital project delivery. In this premiere episode, Cyndee Hoagland, senior vice president of Trimble's Global Accounts and Corporate Partnerships, hosts a panel discussion with a cross-section of thought leaders who shed light on how they push through these roadblocks.

#### Episode 2: How We Will Write the Future of Infrastructure: Our Sputnik Moment – Available March 17

With U.S. infrastructure at a turning point, rapid recovery and bold moves need to happen. This episode features Norman F. Anderson, chairman & CEO of CG/LA Infrastructure, who outlines how we can be more strategic in order to fuel historic change.

#### Episode 3: Digital Construction and an Evolving Workforce Lay the Foundation for Change – Available March 24

Advancing technologies and shrinking labor pools continue to impact infrastructure. In this episode, McKinsey's Jose Luis Blanco gives viewers his insights on digital project delivery and recruiting and retaining the workforce of the future.

For more information or to register for "Reviving the U.S. Infrastructure" and the Spotlight Series, visit: [dimensions.trimble.com/spotlight](https://dimensions.trimble.com/spotlight).

#### Trimble Dimensions User Conference Live Event – Education, Inspiration and Innovation

In addition to the Dimensions Spotlight Series, save the date for the Trimble Dimensions 2022 live event, which will be held November 7–9, 2022 in Las Vegas at The Venetian Resort. For more information, visit [dimensions.trimble.com](https://dimensions.trimble.com) or email [trimble\\_dimensions@trimble.com](mailto:trimble_dimensions@trimble.com).

#### About Trimble

Trimble is transforming the way the world works by delivering products and services that connect the physical and digital worlds. Core technologies in positioning, modeling, connectivity and data analytics enable customers to improve productivity, quality, safety and sustainability. From purpose-built products to enterprise lifecycle solutions, Trimble software, hardware and services are transforming industries such as agriculture, construction, geospatial and transportation. For more information about Trimble (NASDAQ: TRMB), visit: [www.trimble.com](https://www.trimble.com).

#### Contact:

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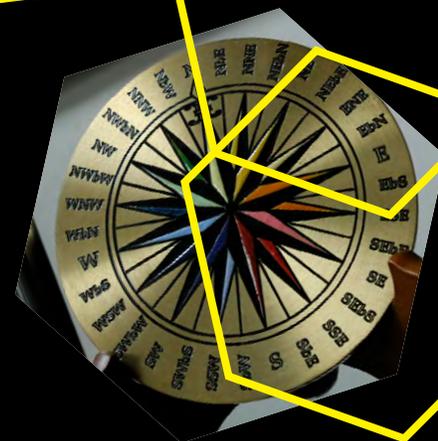
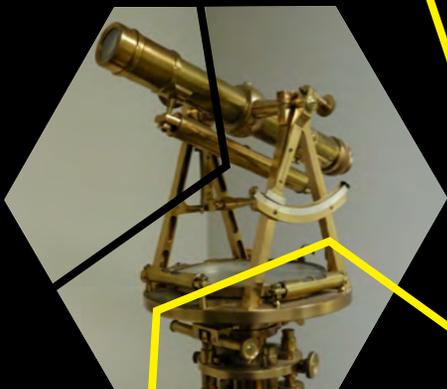
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- **Digital Signatures for Surveyors, #8491, 3 CEC**
- **Easements and Rights of Ways, #9945, 3 CEC \*2020 UPDATED COURSE**
- **Elevation Certificates and the Community Rating System, #8257, 3 CEC \*2020 UPDATED COURSE**
- **Introduction to Photogrammetry, #7887, 3 CEC**
- **Quality Assurance/Quality Control for the Design Professional and Technical Staff, #9293, 3 CEC**
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- **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

FSMS Member

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3 CEC	\$68 Per Course	x _____ = \$ _____	
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Non-Member

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<b>TOTAL</b>			\$ _____

Non-Licensed in ANY State

<i>EMAILED</i>	Fee	Quantity	Amount
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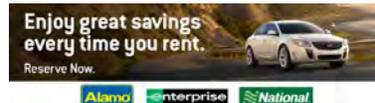
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# 2021 eLearning Courses

## **6 General CEC - \$99/course (members) \$120/course (non-members)**

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- History of Surveying - Course #7140
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- Contracts for the Professional- Course #8412
- Elevation Certificates & the Community Rating System - Course #8256
- Introduction to Photogrammetry - Course #7968
- Writing Boundary Descriptions - Course #8362

**FLORIDA SURVEYING & MAPPING SOCIETY**  
**1689 MAHAN CENTER BLVD., SUITE A**  
**TALLAHASSEE, FL 32308**  
[WWW.FSMS.ORG](http://WWW.FSMS.ORG)  
**850.942.1900 OFFICE**  
**850.877.4852 FAX**

# FROM THE



# ARCHIVES





# BACKSIGHTS *and* FORESIGHTS



## FLORIDA SOCIETY OF PROFESSIONAL LAND SURVEYORS



An affiliate of American Congress on Surveying and Mapping

PUBLISHED QUARTERLY

NUMBER 50

AUGUST 1978

David W. Gibson, Editor—Room 346 Weil Hall, University of Florida—Gainesville, Fla. 32611



# THE FLORIDA SOCIETY OF PROFESSIONAL LAND SURVEYORS

## PRE-CONVENTION ISSUE SEE YOU IN SARASOTA

F.S.P.L.S. ANNUAL CONFERENCE  
SARASOTA HYATT HOUSE  
SEPT. 14, 15, 16

See page 4 for more details



Dann McKee, University of Florida's first Bachelor of Land Surveying Graduate.

### U.F.'s FIRST BACHELOR OF LAND SURVEYING

DATELINE GAINESVILLE ...  
March, 1978.

Dann Lindsay McKee steps up to the podium with proud relatives and friends looking on and accepts the first diploma from the University of Florida imprinted with the words BACHELOR OF LAND SURVEYING. So begins a new era in the education of surveyors in the state of Florida.

Dann's degree is the first awarded with the title approved by the Board of Regents this past January. Nearly 20

*(Continued on page 2)*

### Also in this issue:

- Convention Issues (page 15)
- Miami-Dade Starts L.S. Program (page 2)
- Endangered Species Act (page 12)
- Texas Sunset Controversy (page 6)
- ACSM Albuquerque Fall Meeting (page 8)

## JAMES C. TRUETT TAKES SURVEYORS LIAISON POST WITH THE FLORIDA BAR

James C. Truett, a Tallahassee attorney, has taken over the chairmanship of the Florida Bar's Land Surveyors Liaison Committee, which serves as a communications link between the legal and surveying professions in Florida.

Mr. Truett replaces Jacob Varn, a Tampa attorney and surveyor, who held the post for the last several years. FSPLS expresses most sincere gratitude to Jake for the tremendous job he did. He supplied invaluable help on at least four seminars by instructing in the coastal mapping seminar in Orlando, the Lawyer-Land Surveyors Seminar in West Palm Beach, the Boundaries in the East seminar in Jacksonville, and the Role of the Salaried Surveyor seminar in Naples.

We welcome Mr. Truett and look forward to a continued close and fruitful working relationship with Florida's attorneys.

### U.F.'s FIRST BACHELOR OF L.S. GRAD. (Continued from page 1)

previous graduates of the U.F. land surveying program graduated with the degree of Bachelor of Engineering Technology.

A native of Orlando, Dann worked with the Orange County Engineering Department while still in high school. Responding to advice from co-workers and family, he began his education at Florida Technological University in Orlando and later transferred to the University of Florida into the land surveying program. Ralph Singleton, PLS from Orlando and past Vice President of 'FSPLS, was instrumental in guiding Dann into the surveying program.

Upon graduation, Dann accepted a position with Garrit International Inc. working on the construction of the largest shopping complex in Puerto Rico. He anticipates being transferred back to Florida soon.

Congratulations Dann, and welcome to the professional surveying world.

### BACKSIGHTS AND FORESIGHTS

*Backsights and Foresights is the official publication of the Florida Society of Professional Land Surveyors. Items are presented for the purpose of information to Land Surveyors and do not express the official opinion of the FSPLS unless stated so.*

## MIAMI-DADE KICKS OFF ITS SURVEYING PROGRAM THIS FALL

After several years of preparations Miami-Dade Community College North Campus is opening its doors to students entering the new two-year land surveying program.

The program is headed by Frank Saker, who has spent two years laying the ground work in guiding the college's approval of the curriculum. He has secured approval by the Florida State Board of Professional Engineers and Land Surveyors so that students completing the program will receive an experience credit toward registration.

From the start, the Dade County chapter of FSPLS has been involved to insure that the program will be of benefit to all those seeking education in Land Surveying.

The program is coordinated with the University of Florida program so that a graduate can go on for a four-year degree having many courses transferred.

The fall semester classes start August 22, 1978. For those interested, contact:

Frank Saker  
Department of Civil Engineering  
Miami-Dade Community College/  
North Campus  
11380 N.W. 27th Ave.  
Miami, FL 33167  
Phone: 305-685-4291

### FALL CLASS OFFERINGS STARTING AUGUST 22:

COURSE TITLE	DAY	TIME
(SPECIAL LAND SURVEYING OFFERINGS)		
Elementary Surveying (Surveying I)	MW	7:00- 9:50 AM
Elementary Surveying (Surveying II)	S	7:30- 1:20 PM
Construction Surveying	S	9:00-12:50 PM
Land Surveying I	W	6:30-10:30 PM
Subdivisions	M	6:30-10:30 PM
Engineering Graphics I (Land Surveying Section)	TR	7:00- 9:50 PM
Advanced Surveying (Surveying II)	T	6:30-10:30 PM

### COURSE CONTENT:

**SURVEYING I:** The theories and practices of surveying and the use of principal types of surveying instruments in horizontal and vertical plans.

Field problems include distance measurements, differential and profile leveling, angle and direction determinations, transit-tape surveys, stadia surveys, route curves, etc. Prerequisite: Surveying Advisor approval (2 hr. lecture; 4 hr. lab)

**ENGINEERING GRAPHICS I: (Surveyor's section):** Drafting theory, lettering, geometric construction, lot survey plats; traverse plotting; horizontal, compound and reverse curves; vertical curves, highway plan, profiles and cross sections. (2 hr. lecture; 4 hr. lab)

**SURVEYING II:** Route surveys by ground and aerial methods, circular, compound and reverse curves, theory of errors, their determination and adjustment, triangulation astronomic observations and utilization of advanced electronic measurements (E.D.M.) techniques. Introduction to the historical notes and general scheme of subdivision for U.S. Public-land surveys. Prerequisite: Surveying I or Surveying Advisor approval. (2 hr. lecture; 4 hr. lab)

**LAND SURVEYING I:** U.S. Public-land surveys continued from Surveying II course. Establishing township exteriors, allowable limits of error of closure, rectangular limits, subdivision of townships and sections, subdivision by protraction and survey, meandering, field notes, marking lines between corners, corners, witness corners, corner monuments, marking corners, corner accessories, restoration of lost corners, proportionate measurement, and field process of restoration. Also, introduction to fundamental principles of boundary law. Areas to be studied include additional systems used to describe land, transfer of real property, ownership and land location, locating sequence conveyances and simultaneous conveyances created by state laws. Prerequisite: Surveying II or surveying advisor approval. (2 hr. lecture; 2 hr. lab)

**SUBDIVISIONS:** Actual plat construction from tract description to final record plat. Research: current plat laws and regulations, meaning of legal parts, necessary computations, and graphical representation. Prerequisite: EGN 1120C and ETC 2343C or permission of land surveying advisor. (2 hr. lecture; 2 hr. lab)

**CONSTRUCTION SURVEYING:** Practice of surveying as related to the building and construction industry. The course consists of a combination of classroom instructions and practical field problems with tape, level and transit. (2 hr. lecture; 2 hr. lab)

# 2021 Committees

<b>Standing Committees</b>	
<b>Nominating Committee</b>	Lou Campanile, Jr.
<b>Membership Committee</b>	Dodie Keith-Lazowick
<b>Finance Committee</b>	Bon Dewitt
<b>Executive Committee</b>	Hal Peters
<b>Education Committee</b>	Greg Prather
<b>Annual Meeting Committee</b>	Hal Peters
<b>Legal Committee</b>	Jack Breed
<b>Strategic Planning Committee</b>	Lou Campanile, Jr.
<b>Ethics Committee</b>	Joe Perez
<b>Legislative Committee</b>	Jack Breed
<b>Surveying &amp; Mapping Council</b>	Randy Tompkins
<b>Constitution &amp; Resolution Advisory Committee</b>	Eric Stuart

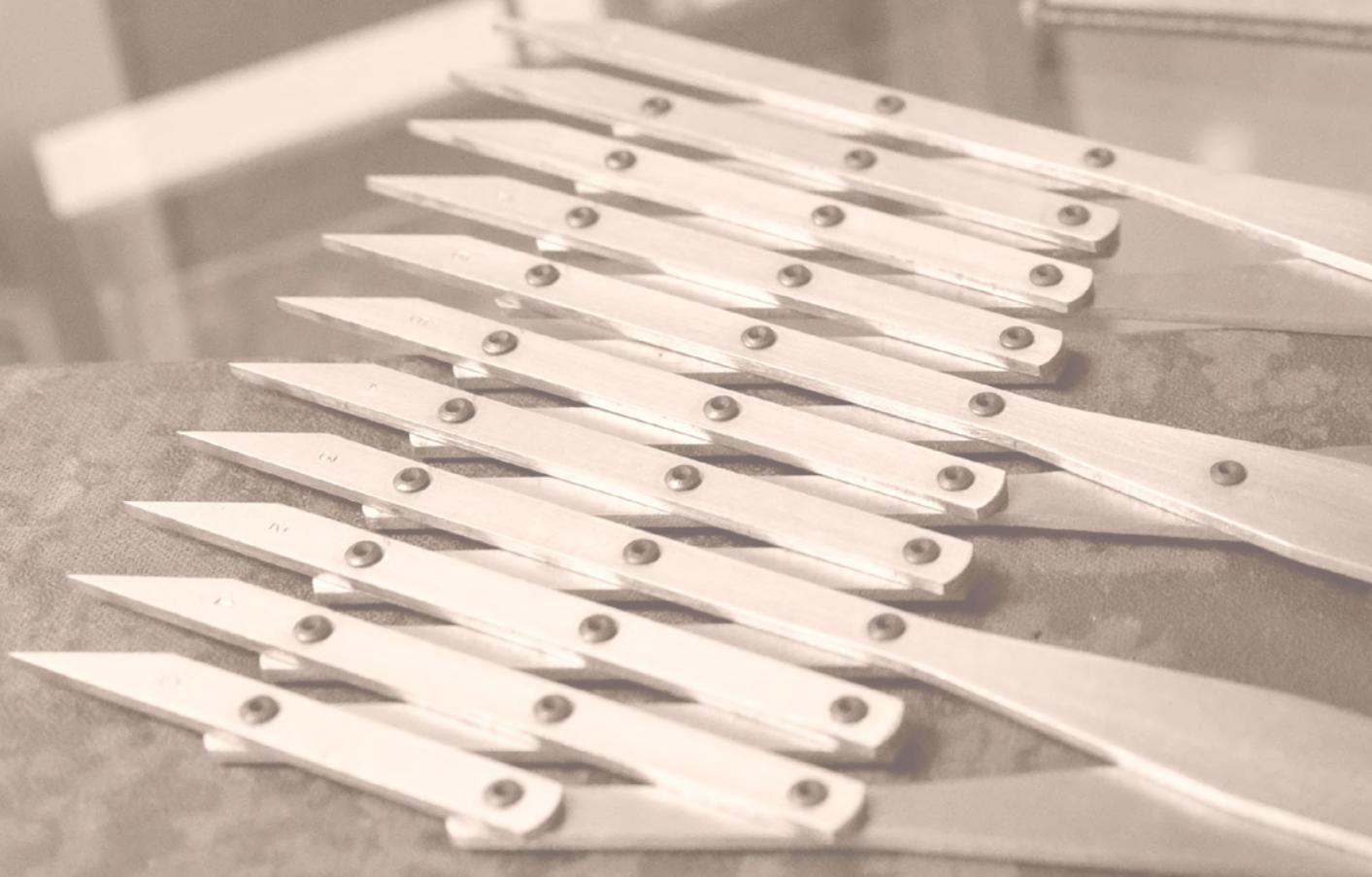
<b>Special Committees</b>	
<b>Equipment Theft</b>	Manny Vera
<b>Awards Committee</b>	Don Elder
<b>UF Alumni Recruiting Committee</b>	Russell Hyatt
<b>Professional Practice Committee</b>	Lou Campanile, Jr.

## Liaisons

<b>CST Program</b>	Alex Jenkins
<b>FDACS BPSM</b>	Howard Ehmke
<b>Surveyors in Government</b>	Richard Allen
<b>Academic Advisory UF</b>	Bon Dewitt
<b>FES</b>	Lou Campanile, Jr.

## Practice Sections

<b>Geospatial Users Group</b>	Earl Soeder
-------------------------------	-------------



# ADMINISTRATIVE staff



## **Executive Director**

Tom Steckler  
director@fsms.org



## **Education Director**

Rebecca Culverson  
education@fsms.org



## **Communications Director**

Laura Levine  
communications@fsms.org



## **Regional Coordinator**

Cathy Campanile  
seminolecc84@gmail.com



**DON'T JUDGE  
EACH DAY BY  
THE HARVEST  
YOU REAP,  
BUT BY THE  
SEEDS THAT  
YOU PLANT.**

**ROBERT LOUIS STEVENSON**

**PREPARATION**

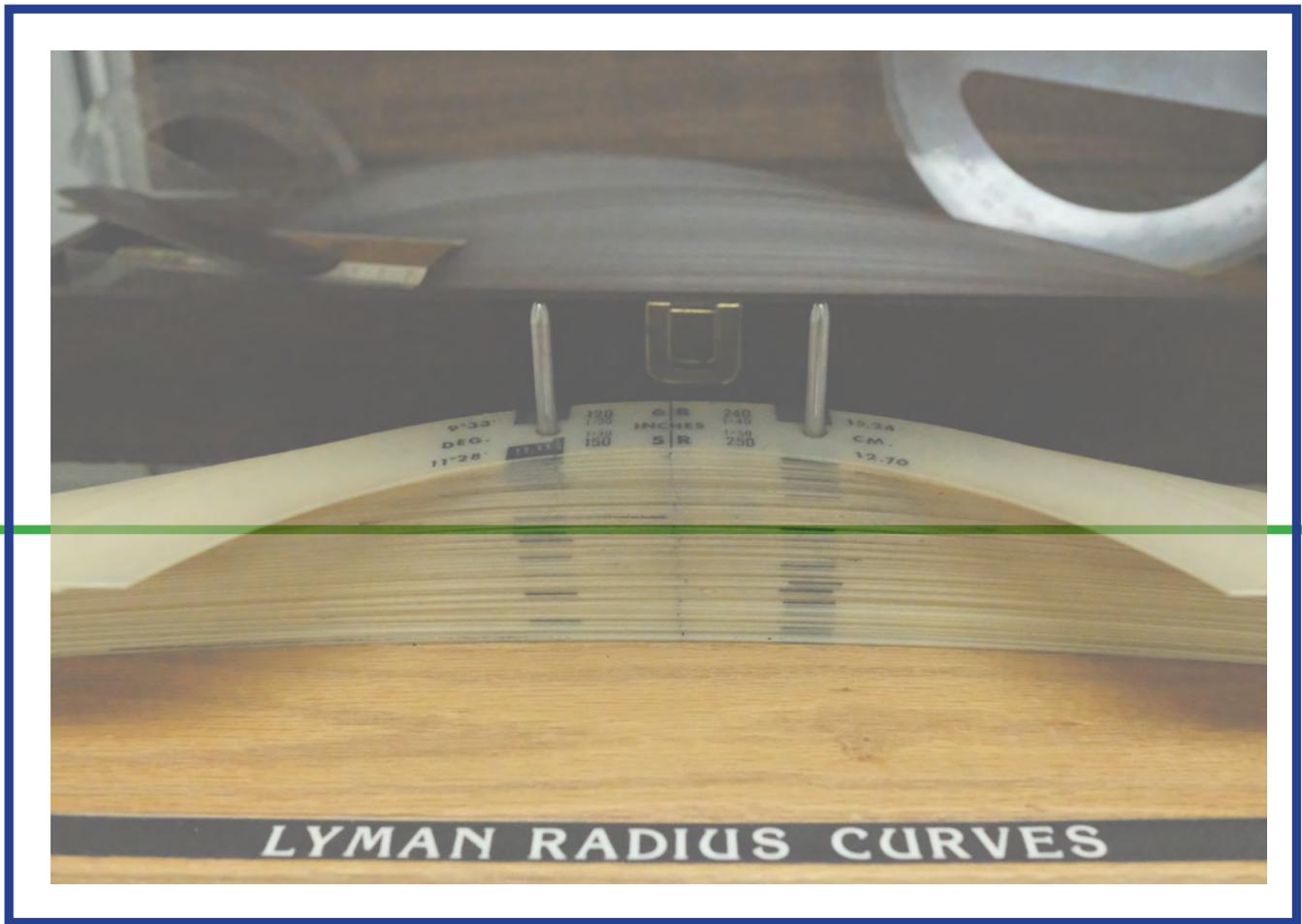
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The Florida Surveyor is the official publication of the Florida Surveying and Mapping Society, Inc. (FSMS). It is published monthly for the purpose of communicating with the professional surveying community and related professions who are members of FSMS. Our award winning publication informs members eleven months of the year of national, state, and district events and accomplishments as well as articles relevant to the surveying profession. The latest educational offerings are also included.

# 2021 Firm



# Sustaining s Directory



<b>A</b>	
Accuright Surveys of Orlando, Inc.	407-894-6314
Agnoli, Barber & Brundage, Inc.	239-597-3111
AIM Engineering & Surveying	239-332-4569
Airworks	209-803-8274
Allen Business Advisors	781-443-4874
Allen & Company, Inc.	407-654-5355
Allen Engineering	321-783-7443
AM Engineering, Inc.	941-377-9178
American Consulting Professionals, LLC.	813-435-2600
American Surveying, Inc.	813-234-0103
Amerriitt, Inc.	813-221-5200
Arc Surveying & Mapping, Inc.	904-384-8377
Associated Land Surveying & Mapping, Inc.	407-869-5002
Avirom & Associates, Inc.	561-392-2594
Axis Geospatial SE, LLC.	386-439-4848
Ayres Associates	715-834-3161
<b>B</b>	
Banks Engineering	239-939-5490
Barnes, Ferland and Associates, Inc.	407-896-8608
Barraco & Associates, Inc.	239-461-3170
Bartram Trail Surveying, Inc.	904-284-2224
BBLs Surveyors, Inc.	239-597-1315
Bello & Bello Land Surveying Corporation	305-251-9606
Benchmark Surveying & Land Planning, Inc.	850-994-4882
Berntsen International	608-443-2773
Betsy Lindsay, Inc.	772-286-5753
Biscayne Engineering Company, Inc.	305-324-7671
Boatwright and Durden Land Surveyors, Inc.	904-241-8550
Bock & Clark Corporation	330-665-4821
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
<b>C</b>	
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
<b>D</b>	
Dagostino Geospatial, Inc.	239-352-6085
DeGrove Surveyors, Inc.	904-722-0400
Dennis J. Leavy & Associates	561-753-0650
Dewberry	321-354-9729
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 Engineers-Surveyors-Planners, 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
Geomatics Corporation	904-824-3086
GeoData Consultants, Inc.	407-732-6965
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
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
Keith and Associates, Inc.	954-788-3400
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
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
Marco Surveying & Mapping, LLC.	239-389-0026
Maser Consulting, P.A.	813-207-1061
Massey-Richards Surveying & Mapping, LLC.	305-853-0066
Masteller, Moler & Taylor, Inc.	772-564-8050
McCain Mills, Inc.	813-752-6478
McKim & Creed, Inc.	919-233-8091
McLaughlin Engineering, Co.	954-763-7611
Metron Surveying and Mapping, LLC.	239-275-8575
Metzger + Willard, Inc.	813-977-6005
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	
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
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
Z	
ZNS Engineering, LLC.	941-748-8080

# 2021 Chapter Presidents

---

## District 1

### **Panhandle**

David Glaze  
davidpga@bellsouth.net

### **Gulf Coast**

Frederic Rankin  
erankin@dewberry.com

### **Chipola**

Jesse Snelgrove  
jsnelgrove@  
snelgrovesurveying.com

### **Northwest FL**

Jeremy Fletcher  
fletcher.jwf@gmail.com

## District 2

### **FL Crown**

Kathy Wade  
kathy@boatwrightland.com

### **N. Central FL**

Brian Murphy  
bmurphy@3002inc.com

### **UF Geomatics**

Mary Voor  
mary.voor@ufl.edu

## District 3

### **Central FL**

Leon Hampton  
lham5910@yahoo.com

### **Indian River**

Paige Rogolino  
progolino@  
aviromsurvey.com

### **Volusia**

Anthony Sanzone  
eastcoastland@  
bellsouth.net

## District 4

### **Ridge**

Larry Sharp  
lsharp@collinssurvey.com

### **Tampa Bay**

Charlie Arnett  
CArnett@  
Geopointsurveying.com

## District 5

### **Charlotte Harbor**

Derek Miller  
millersurveying@  
comcast.net

### **Collier-Lee**

Steve Shawles II  
sshawles@cesincusa.com

### **Manasota**

Aaron Levine  
aaron@msbsurveying.com

## District 6

### **Broward**

Earl Soeder  
earl@gpserv.com

### **Palm Beach**

Clyde Mason  
clyde@ritzel-mason.com

## District 7

### **Miami-Dade**

Frank Pauas-Suiero  
fparuas@gpinet.com

# 2021 Districts & Directors

## District 1 -/Northwest

Bay, Calhoun, Escambia, Franklin, Gadsden, Madison, Okaloosa, Santa Rosa, Taylor, Wakulla, Walton, Washington

Eric Stuart  
(850)857-7725  
eric.stuart@sam.biz

Chad Thurner  
(850) 200-2441  
chad.thurner@sam.biz

## District 2 / Northeast

Alachua, Baker, Bradford, Clay, Columbia, Dixie, Duval, Gilchrist, Hamilton, Lafayette, Levy, Marion, Nassau, Putnam, Suwannee, St. Johns, Union

Nick Digruzzolo  
(863) 344-2330  
ndigruzzolo@pickettusa.com

Randy Tompkins  
(904) 755-4235  
randytompkins1@outlook.com

## District 3/East Central

Brevard, Flagler, Indian River, Lake, Okeechobee, Orange, Osceola, Seminole, Martin, St. Lucie, Volusia

Al Quickel  
(407) 567-1566  
alq.fsms@gmail.com

Howard Ehmke  
(561) 682-2987  
hehmke@sfwmd.gov

## District 4/ West Central

Citrus, Hernando, Hillsborough, Pasco, Pinellas, Polk, Sumter

Greg Prather  
(863) 533-9095  
gprather@pickettusa.com

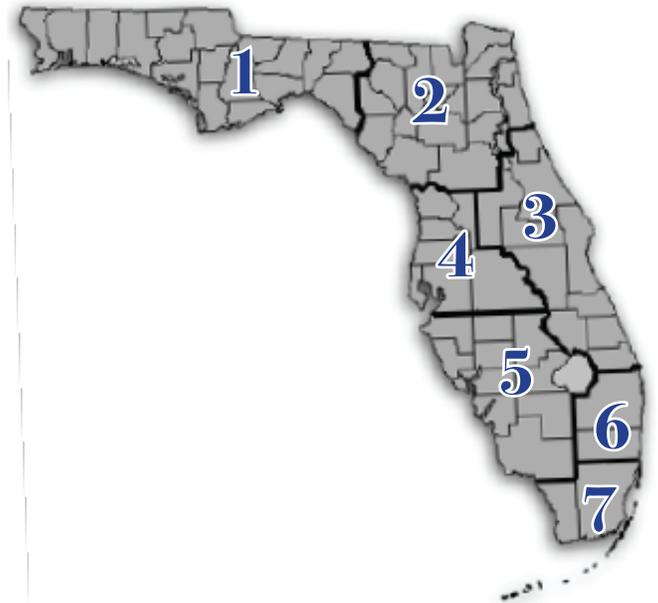
Alex Parnes  
(727) 847-2411  
alexwolfeparnes@gmail.com

## District 5/ Southwest

Collier, Charlotte, DeSoto, Glades, Hardee, Hendry, Highlands, Lee, Manatee, Sarasota

Shane Christy  
(941) 748-4693  
schristy@georgefyoung.com

Jeffrey Cooner  
(239) 829-7016  
jeff.cooner@cardno.com



## District 6/Southeast

Broward, Palm Beach

Ken Buchanan  
(561) 687-2220  
ken.buchanan@wginc.com

Dodie Keith-Lazowick  
(954) 788-3400  
dkeith@keithteam.com

## District 7/South

Miami-Dade, Monroe

Manny Vera, Jr.  
(305) 221-6210  
mverajr@mgvera.com

Jose Sanfiel  
(305) 351-2942  
josesanfiel@woolpert.com

## NSPS Director

Russell Hyatt  
(941) 748-4693  
russell@hyattsurvey.com

# 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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*Please email  
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including virtual meetings!*

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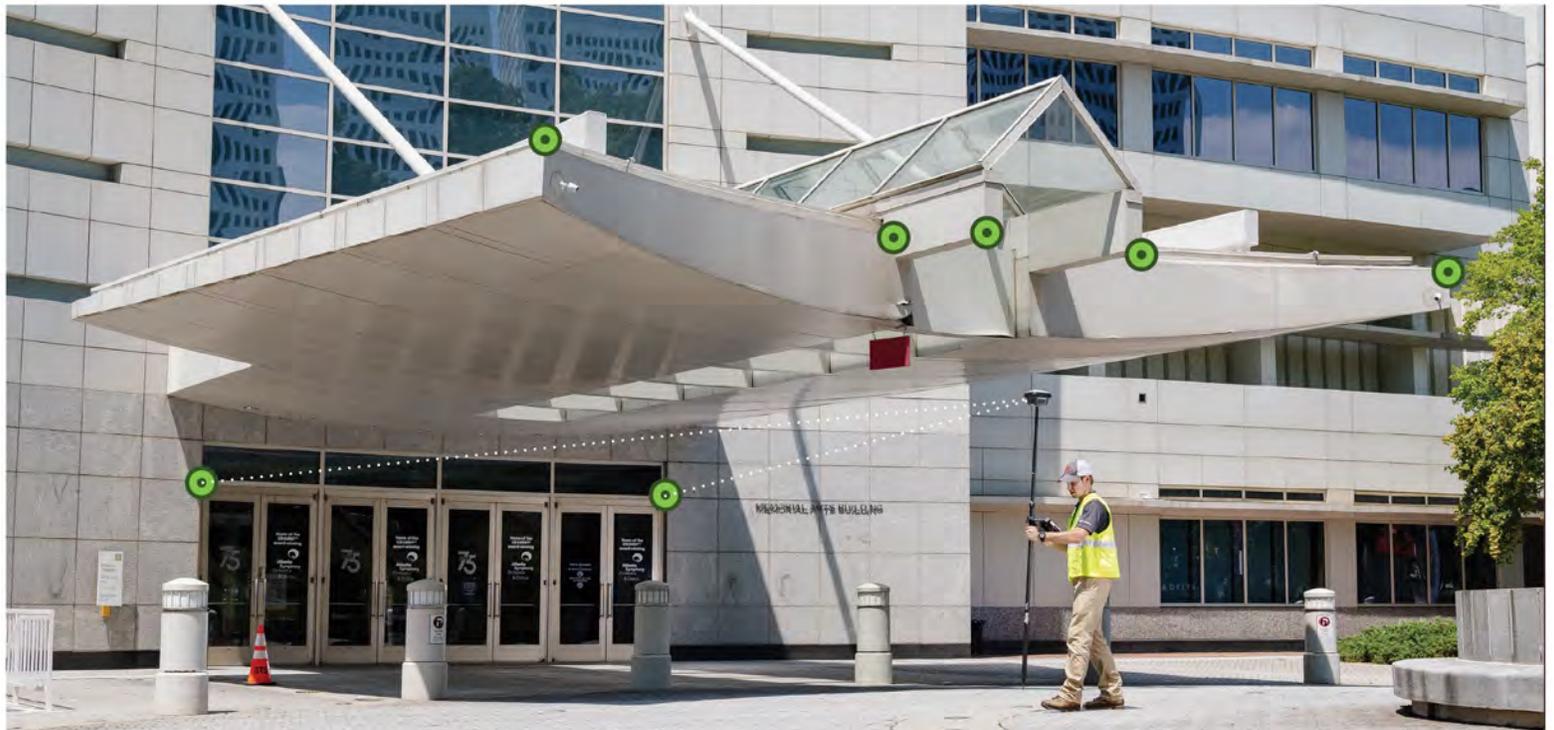


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