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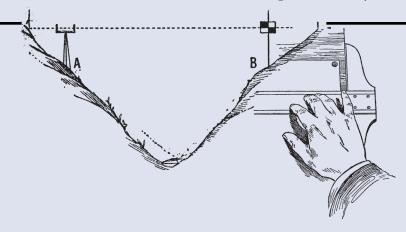
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Ribbon Cutting Ceremony

RECOGNITION Banquet 125



A Very Special Thank You to Hal & Beth Peters for their wonderful photography. This year, they had help from a young enthusiast Eli Mattix Donaldson, son of Eli Donaldson. Thank you all so very much! We enjoy seeing what your cameras capture each year.



THE FLORIDA SURVEYOR is the official publication of the Florida Surveying and Mapping Society, also known as 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 out of the year about national, state, and district events and accomplishments, as well as articles relevant to the surveying profession. In addition, continuing educational courses are also available.

PRESIDENT'S Message

August 21st, 2024



Members,

First let me say a huge thank you to the membership for entrusting me with this important responsibility for the next year. I feel truly blessed

and honored to have been elected President at this stage of my career and want you to know that I am committed to seeing that the Society's goals and new challenges are not only met, but exceeded in the coming months.

I will do my best in this role to ensure that the Florida Surveying and Mapping Society remains in a leadership position for our profession, and I will be focusing on the following:

- 1. Protection of the Profession through our Legal & Legislative Committees actions.
- 2. Assisting in finding new ways to fully Fund and Support our Political Action Committee, for without their help and our Lobbyist Firm, we would be talking about a completely different Society.



President
Richard Pryce
(954) 651-5942
rdpryce@gmail.com

- 3. Being proactive as opposed to reactive to legislative issues from the past year. We will begin by using the collective knowledge and experience of our Board and other members in helping to rewrite parts of our current laws that need fixing and work with our regulatory board to get the process started.
- 4. Meeting, talking with, and encouraging the Geomatics Students at UF, FAU and any other colleges with a Geomatics program, to hear what they have to say, helping them understand what the Society does and can do for them, and encouraging active participation for their future.
- 5. Finally, but also important, I will be working with and assisting with the new Work Force Development Committee. UF has a new person (Katie Britt

PRESIDENT'S Message

k.britt@ufl.edu) whose job is to work on this issue. I trust that all of our members will assist her in getting this program up and running.

We had a great Conference in July and based on the attendance and all of the responses from the attendees it was a huge success, with about 520+ people attending. We haven't seen that type of attendance in decades so we must be doing something right. We have set a high standard now as we look forward to next conference in Bonita Springs and we hope to have similar success in the future.

And lastly, I take to heart those ominous words from our own Jack Breed after congratulating me on my new position: "Don't sink the ship".

Respectfully submitted,

Richard D. Pryce

SIMS H



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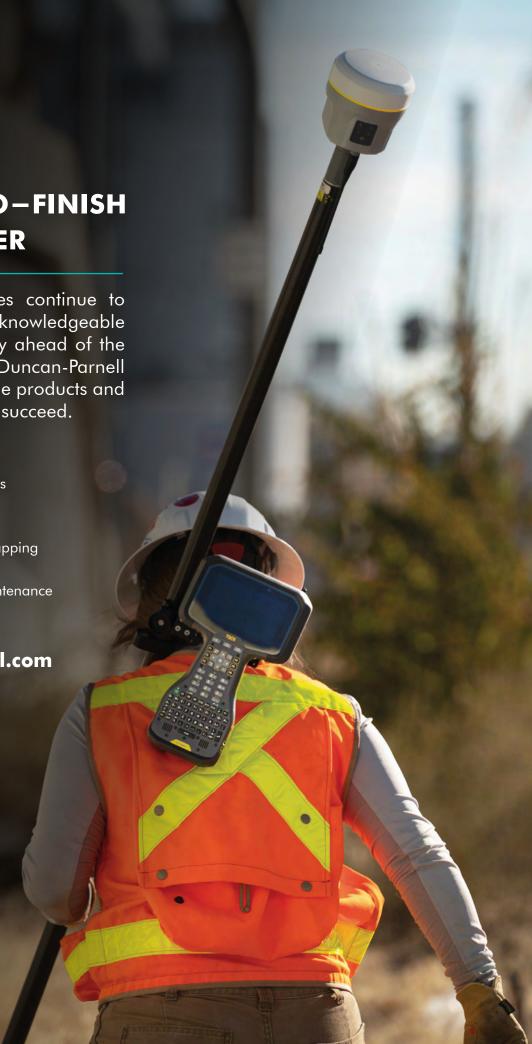
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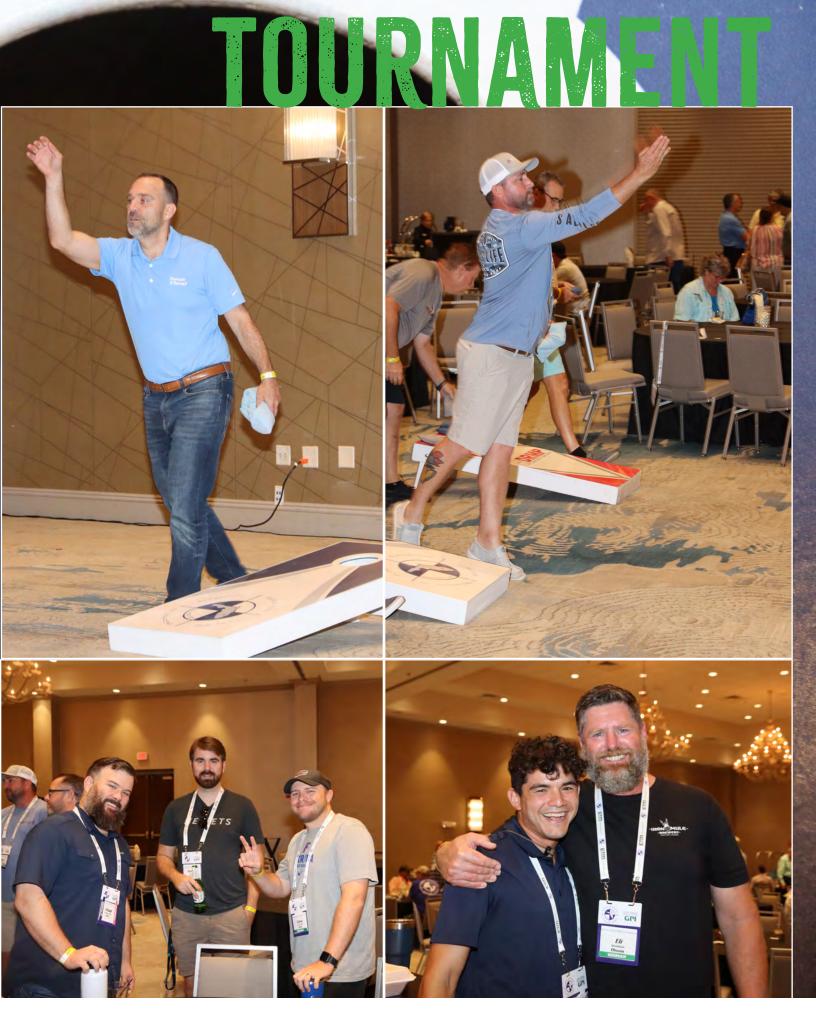
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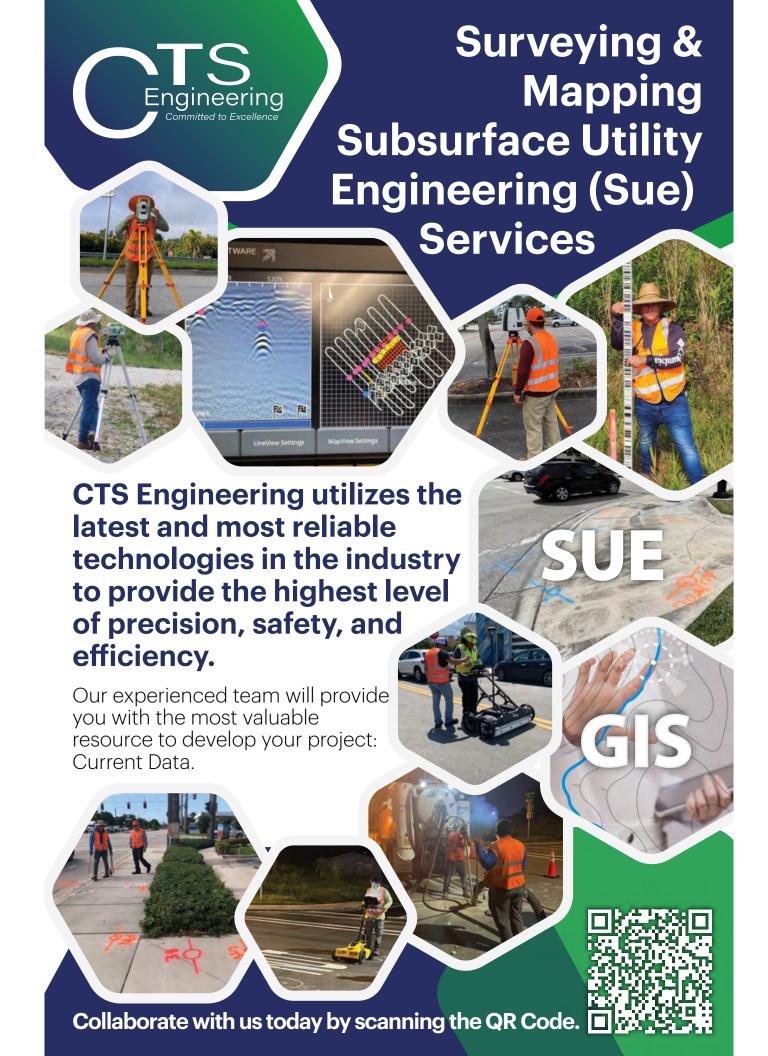


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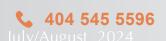
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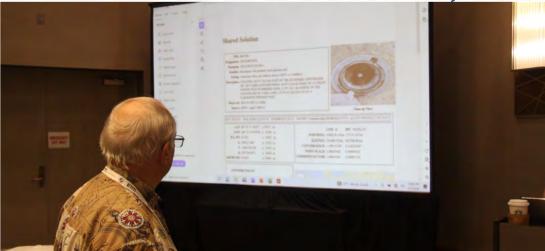


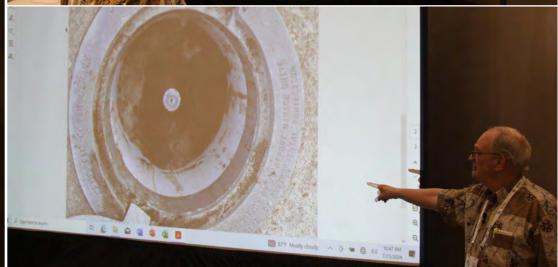




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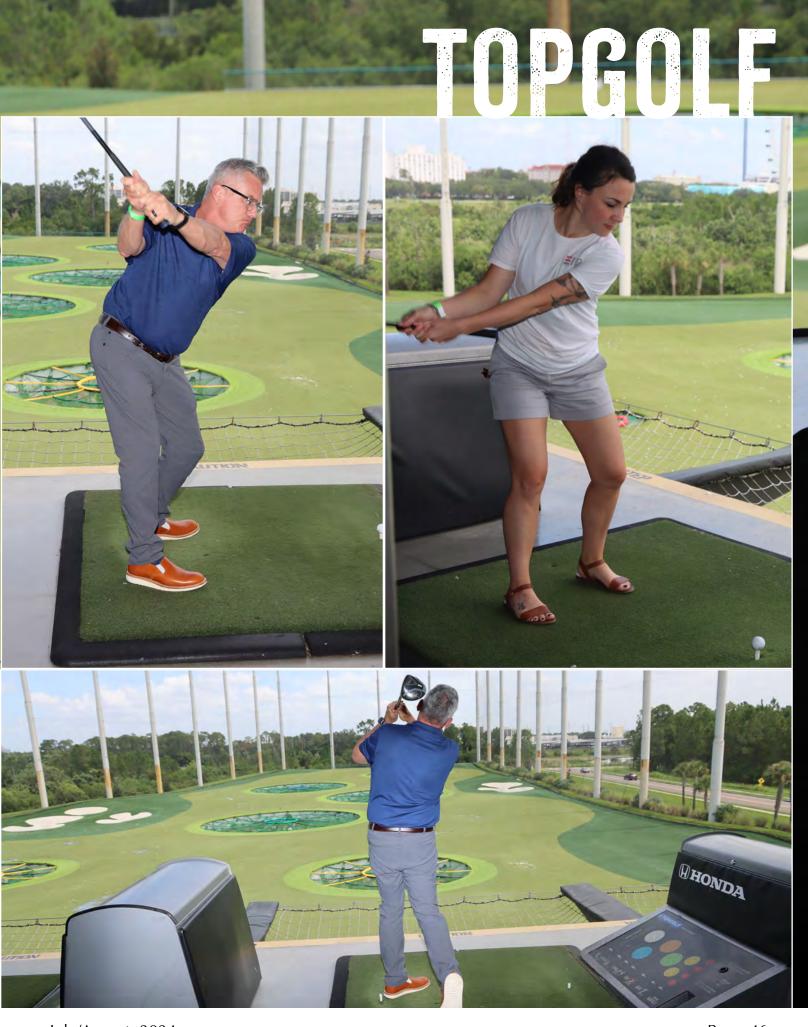


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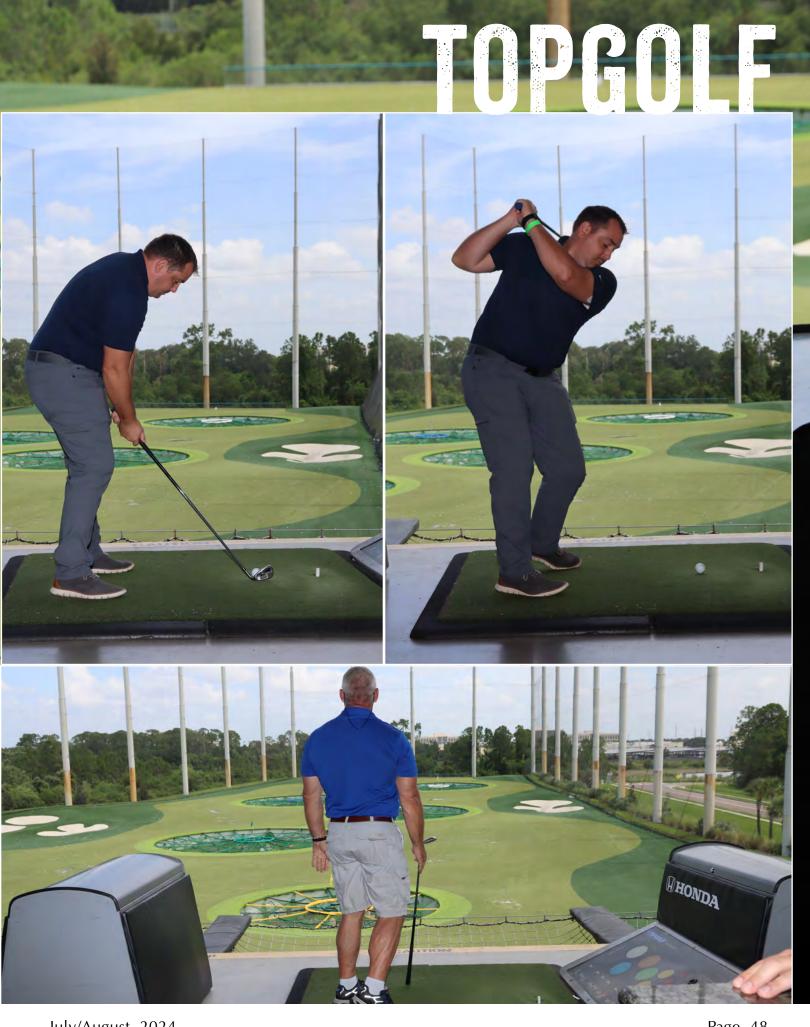


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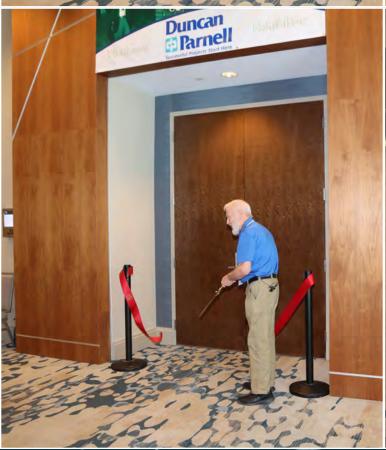




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The Florida Surveyor



PLATINUM

Duncan-Parnell

Duncan-Parnell is an authorized Trimble dealer for land survey, mapping/GIS, and construction instruments and accessories, and has been the leading provider of survey & mapping solutions in Florida for over 25 years. Our product offerings include GNSS receivers, drones/UAVs solutions, robotic and manual total stations, software for workflow integration, digital and automatic levels, 3D laser scanners, mobile mapping and monitoring solutions, utility locating equipment (G



and monitoring solutions, utility locating equipment (GPR), construction lasers, as well as a full range of field supplies and accessories. Duncan-Parnell is your full field-to-finish provider. Our Geospatial team has decades of industry experience, certified maintenance centers, and experienced trainers on staff. We're ready to be a trusted partner and assist with your sales, rental, or maintenance needs. Contact us today!



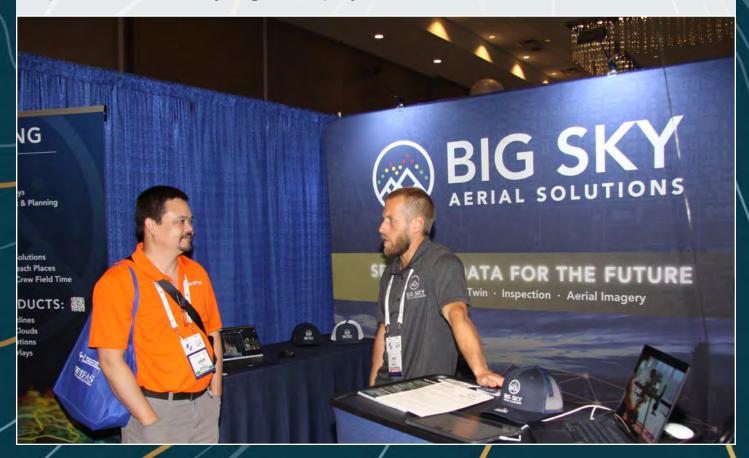
GOLD

Big Sky Aerial Solutions

Big Sky Aerial Solutions is a leading LIDAR and specialized aerial data collection organization with advanced sUAS capabilities. Our focus is on meeting the specific requirements of professional licensed surveyors and engineers through tailored solutions.



Collaboration lies at the heart of our approach, where we seamlessly integrate your expertise into our deliverables. Founded on safety, accuracy, and efficiency, Big Sky utilizes cutting-edge technology and specific Federal Aviation Administration operational waivers, including Beyond Visual Line of Sight (BVLOS), as we maintain the utmost due diligence. We can assist surveyors from a simple orthomosaic photo overlay to complex surface development on large, expansive, and heavily vegetated projects.



GOLD

Caulfield & Wheeler, Inc. (CWI)

Caulfield & Wheeler, Inc. (CWI) was incorporated in October of 1982 in Palm Beach County, Florida. Its principals and employees provide professional Civil Engineering, Planning, Land Surveying, Landscape Architecture, 3D Laser Scanning, and Unmanned Aerial Systems services. CWI has been contracted by many prestigious municipalities, developments, and governmental agencies throughout Florida.



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CWI's principals have over 200 years of combined experience serving as active project managers, ensuring every project meets our technical quality standards while remaining within the client's budget and schedule.



The Florida Surveyor

SILVER

American Government Services Corporation

American Government Services (AGS) is a full-service title company that specializes in providing real estate services to government agencies. AGS has been providing title and closing services in the State of Florida since 1979. American Government Services is a 100% women-owned business, certified as a DBE/MBE firm with the State of Florida and registered as a real estate broker corporation with the Florida Department



of Business and Professional Regulation. AGS hopes to meet and exceed all of your Title service needs.



SILVER

Atwell, LLC

Atwell, LLC is a national consulting, engineering, and construction services firm with offices throughout the country that deliver a broad range of strategic and creative solutions to clients in three core markets: real estate and land development, power and energy, and oil and gas. Atwell provides comprehensive turnkey services including land and right of way support, engineering, land surveying, environmental compliance and permitting, and project and program management. We are pleased to announce that effective January 2024 the Fort Myers and Port Charlotte offices of Banks Engineering have merged with Atwell, LLC.





The Florida Surveyor

SILVER

Frontier Precision Unmanned

Frontier Precision Unmanned has the latest innovations in drone aircraft and sensors to fit your job or application. We offer industry-leading products and software from Ascent AeroSystems, Autel Robotics, Censys Technologies, DJI, Freefly Systems, Inspired Flight, Parrot, Quantum-Systems, Watts Innovations, YellowScan, Emesent, Deep Trekker, Phase One, FLIR, Pix4D, and many others to make sure you get the right product for the right UAS application. UAS applications include geospatial





surveying & mapping, agriculture, construction, energy, forestry, infrastructure,

SILVER

Leica Geosystems

Leica Geosystems – when it has to be right With more than 200 years of history, Leica Geosystems, part of Hexagon, is the trusted supplier of premium sensors, software and services. Delivering value every day to professionals in surveying, construction, infrastructure, mining, mapping and other geospatial content-dependent industries, Leica Geosystems leads the industry with innovative solutions to empower our autonomous future.





The Florida Surveyor

SILVER

Navigation Electronics, Inc. (NEI)

Navigation Electronics, Inc (NEI) is a woman-owned small business, with Barbara Poche serving as President & CEO. NEI is a Trimble Geospatial solution provider in the Southeast and has been in business for 35 years. NEI represents Trimble as its' premier product line distributor and has been a Trimble distributor since 1990. We are committed to excellent customer service and have a long history of customer satisfaction.



NEI has assembled a team of professionals, each having unsurpassed expertise in various areas of Surveying. NEI currently has three licensed land surveyors on staff, two GIS professionals and three Part 107 pilots on staff. These individuals will ensure that all components of this bid will be addressed to complete satisfaction. NEI's corporate headquarters, a state-of-the-art facility in Lafayette, LA and has over 100 years of service experience. This facility is complimented by a training center and sales office in Duluth, Georgia. NEI also maintains satellite offices in Florida, Mississippi, Alabama, and Arkansas.



SILVER

R-E-A-L.iT

R-E-A-L.iT is a leading provider of customized reality capture workflow solutions for clients across diverse industries. Established by Derek deBlois in 2021, our company has rapidly evolved to become a trusted partner for businesses seeking innovative solutions in industries like engineering, architecture, public safety, visual effects (VFX), and more. At R-E-A-L.iT, we are dedicated to delivering comprehensive reality capture solutions, expert consulting, and tailored software development to address the unique needs of our valued clients.





The Florida Surveyor

SILVER

TopoDOT

TopoDOT is a point cloud processing software application offering a comprehensive feature extraction tool suite with the right balance between automation and quality assurance. TopoDOT offers a well-documented process to extract Digital Twin deliverables such as topographies, assets, 3D models, measurements, analyses, and reports meeting the highest quality-controlled standards. Our TopoShare product provides a comprehensive process to organize, store and share your data across operations at the lowest possible cost. TopoDOT LLC is headquartered in Winter Garden, Florida.





SILVER

YellowScan

At YellowScan we design, develop and produce UAV Mapping solutions for professional applications. Fully integrated, ultra-light and easy to use, these highly automated data collection tools are used by customers around the world in fields such as surveying, forestry, environmental research, archeology, corridor mapping, civil engineering and mining. With more than 13 years of field experience,



Designed to innovate.

YellowScan is committed to delivering the highest level of performance, reliability and robustness for its solutions. Our platforms are field tested all over the world in multiple environments (tropical forests, bare soils, mountains, rivers, coast lines, open-pit mines, power lines).

For more information, please go to www.yellowscan.com

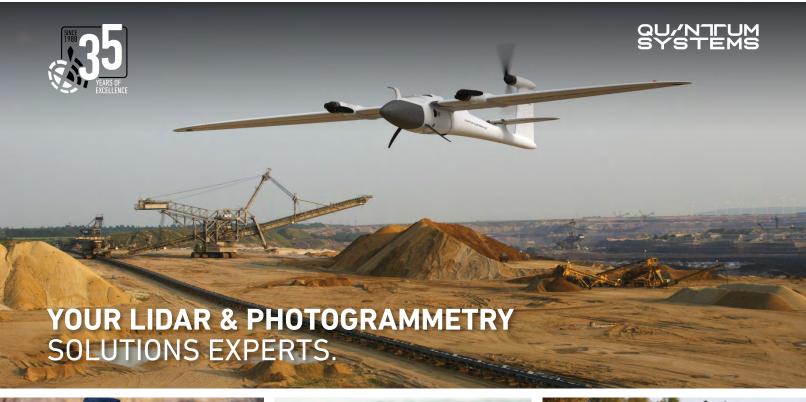


The Florida Surveyor Page 67



Frontier Precision has the latest LiDAR photogrammetry innovations to fit your job or application.

Our staff has the knowledge and real-world experience to help you select the solution that's best for you and the training to make you more proficient and profitable. Just as important, our professional services group can help you implement LiDAR and photogrammetry solutions on your next project — from field data capture to data processing — we have the expertise to make sure your project is done right.







Yellow\$can

The YellowScan LiDAR UAV delivers the highest level of accuracy and density for real-time georeferenced point cloud data. Lightness and accuracy combine for a LiDAR solution that works hard for you.

FRONTIER PRECISION

8301 Cyprus Plaza Drive, #107 Jacksonville, FL 32256

emesent

Emesent automates the collection and analysis of data in challenging GPS-denied environments, delivering revolutionary efficiency, safety, and operational insights to underground mining and other industries. It's core areas of expertise are drone autonomy, SLAM-based LiDAR mapping, and data analytics.















Joey Civello | 904.477.6662 [Cell] or jcivello@frontierprecision.com

STANDARD

The Arc of Bradford County

At The Arc of Bradford County, we are committed to helping people with intellectual and developmental disabilities live full and rewarding lives.

Founded in 1975 on inclusion and acceptance, we work tirelessly to ensure the individuals we serve receive the care and attention they deserve. Everyone has something valuable to contribute to society, and we are committed to helping our participants realize their full potential.



Bowman Consulting

Bowman is a trusted, multi-disciplinary consulting firm offering a broad range of real estate, energy, infrastructure, and environmental management solutions to both public and private clients across the country. From large commercial developments, to master planned communities, to local transportation projects, Bowman delivers outstanding project results, builds long-lasting relationships and leverages the growth of our organization to serve the constantly changing needs of our clients.

As a result of systematic corporate planning and diligent implementation, our dynamic leadership has focused on strategic expansion that has resulted in a national project portfolio and opportunities to increase our geographic presence for both new and existing clients. Bowman offers on-demand technical genius and industry-leading talent that, when combined, produce innovative and effective results.

Bowman

STANDARD

CARLSON

Carlson Preferred Solutions is the exclusive Carlson Software Authorized Dealer for the state of Florida. Specializing in Carlson centric GNSS RTK base and rover solutions, total stations, RTK drones, data collection hardware & software, and CAD software to the Land Surveyor, Civil Engineer, and Construction professional.



CARNAHAN PROCTOR & CROSS

CPC is proud to celebrate its 46th year as a full-service geomatics firm. As surveying technologies advance, CPC is a leader in utilizing cutting-edge technology, equipment, and software. CPC is involved in a wide variety of information-gathering activities and applications to design, develop, and operate systems for collecting and analyzing spatial information. Our Geomatics group utilizes technologically advanced tools like robotic total stations, global positioning system (GPS) equipment, digital aerial imagery, 3D Terrestrial Laser Scanning, Building Information Modeling (BIM), computer-based drafting and design (CADD), and geographic information systems (GIS) to provide clients with the most cost-efficient and innovative solutions.



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STANDARD

CHC Navigation USA

CHC Navigation is a global leader in navigation, positioning, and mapping solutions for various professional applications. Our offerings include surveying, GNSS technology, 3D data collection, precision agriculture, unmanned navigation, real-time GNSS infrastructure, and more. With a commitment to technology advancement and affordability, we serve geospatial professionals in over 120 countries.



CTS Engineering

CTS Engineering, Inc is a well-known and respected leader in providing Professional Engineering services throughout the State of Florida for over 12 years. We offer a wide array of services to our clients including transportation planning, traffic engineering, public transit support, roadway design, policy planning, data collection, statistical analysis, PD&E studies, multimodal improvements and surveying and mapping services. Our team of Professional Surveyors & SUE experts have provided high quality deliverables for Surveying & Mapping assignments to our clients including utility coordination to many FDOT Districts, Counties and Cities. CTS is a certified DBE firm with offices throughout the state to support all your Surveying, SUE & Utility Coordination needs. CTS will provide a turnkey package of all these services.



The Florida Surveyor Page 71

STANDARD

Dorado Graphix

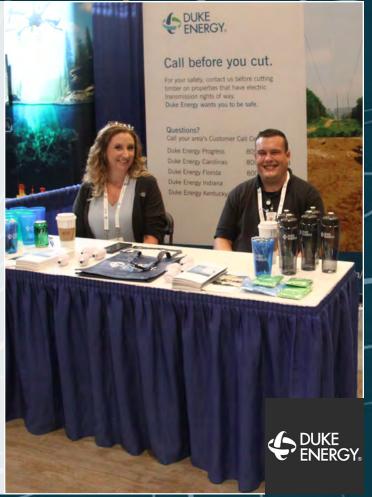
Dorado Graphix LLC is your go-to source for all large format printing, laminating, scanning equipment, and their associated software and supplies. We have media for every application from CAD Bond, to photo grades, to outdoor banner material and much more. We service everything we sell and some that we don't. Dorado Graphix is a veteran owned company and we pride ourselves on providing quality products, service, and training for our customers. Please call us at (904) 751-4500 or visit our website www.doradographix.com.



DUKE ENERGY

Duke Energy is a Fortune 150 company headquartered in Charlotte, N.C., is one of America's largest energy holding companies. The company's electric utilities serve 8.4 million customers in North Carolina, South Carolina, Florida, Indiana, Ohio and Kentucky, and collectively own approximately 54,800 megawatts of energy capacity. Its natural gas utilities serve 1.7 million customers in North Carolina, South Carolina, Tennessee, Ohio and Kentucky.

Duke Energy is executing an ambitious clean energy transition to achieve its goals of net-zero methane emissions from its natural gas business by 2030 and net-zero carbon emissions from electricity generation by 2050. The company is investing in major electric grid upgrades and cleaner generation, including expanded energy storage, renewables, natural gas and nuclear.



STANDARD

eGPS Solutions

At eGPS Solutions, we are a full-service survey equipment and supplies distributor. At the best prices, we sell top-quality equipment from GeoMax, CHC, DJI, and LiDARUSA to create unique solutions to fit your surveying needs. We also provide comprehensive services to fully support our customers, including supplies, M2M data plans, certified repairs, technical support, and UAV-LiDAR training, all just a phone call away. So look no further than us for all your surveying needs because, at eGPS Solutions, we will not let you fail.



FAU Florida Atlantic University

The NCEES award winner, Florida Atlantic University Bachelor of Science degree in Geomatics Engineering is one of the state-of-the-art ABET accredited engineering programs in the nation. The award-winning faculty has outstanding teaching and research experience and diverse professional backgrounds. Students can collaborate with other engineering and science disciplines such as geosciences, computer science, urban planning, and other fields. While this program prepares students for the Professional Land Surveyor (PLS) license, some students successfully pass the NCEES Fundamentals of Surveying (FS) and Fundamentals of Engineering (FE) examinations before graduating from the program.



The Florida Surveyor Page 73

STANDARD

(FAST) Florida Aerial Survey Technologies

Florida Aerial Survey Technologies (FAST) excels in swiftly delivering high-quality aerial survey and mapping data through advanced methods including LiDAR and photogrammetry. Our team's extensive experience in drone-related software development has led to the creation of proprietary survey software and systems. These innovations significantly reduce project timelines while maintaining data integrity, establishing FAST as the aerial surveying market leader in Florida.



FLT Geosystems

FLT Geosystems (Florida Level & Transit) is a full-line dealer for Leica Geosystems (optical, GPS, HDS scanning, & lasers), Topcon Positioning (optical & lasers), Spectra Precision (optical, data collectors, & lasers), Carlson Software, Septentrio, and many more. Our home office is in Ft. Lauderdale, with a full-service office in Tampa.



FOUNDATION RISK PARTNERS

FRP Professional Risk offers a unique combination of industry leaders and data-driven professionals, leveraging their expertise to provide tailored insurance and risk management solutions for our customers. Our team of more than 30 professionals collaborates to unburden our clients from risk through education, insurance, and counsel. No matter the size of your firm, our service is designed to meet your needs.



STANDARD

(FREAC) Florida Resources and Environmental Analysis

The Florida Resources and Environmental Analysis Center (FREAC), established in 1969, is the original center within the Institute of Science and Public Affairs (ISPA) at Florida State University (FSU). FREAC professionals conduct research in the general areas of resource management and environmental analysis, as well as provide advice and technical assistance to state and local agencies. Public lands research and analysis, geographic information system development, and graphic representation of digital databases are current and long-range FREAC research interests. FREAC also trains university students in these areas through direct involvement in projects, providing realworld experiences.



GeoNetworking

Geo Networking is a Topcon/Sokkia distributor located in central Florida. The company focuses on end-to-end sales through a consultive sales strategy. In this process, Geo Networking is able to match the right product to meet your team's goals for your deliverables. Geo Networking is proud to offer the Quantum Systems line of drones that include the Trinity Pro and a powerful line of sensors with LiDAR options. We are also excited to welcome FARO to our lineup of terrestrial scanners. The all new Orbis is a handheld SLAM scanner that is really making waves in the mass data capture arena. These products matched with the very well known products from Topcon/Sokkia make any job a slam dunk.



STANDARD

GPI Geospatial, Inc.

For fifty years, GPI Geospatial, Inc., a subsidiary of Greenman-Pedersen, Inc., has delivered advanced geospatial services in both public and private sectors throughout the eastern United States. Our comprehensive offering of professional surveying and mapping services caters to engineers, architects, land developers, planners, and a wide range of both public and private markets, such as energy, transportation, and private development. GPI Geospatial provides the most accurate remote sensing and survey data by utilizing specialized aircraft, vehicles, and personnel outfitted with cutting-edge equipment and software. Our unwavering commitment to precision, innovation, and client satisfaction has earned GPI Geospatial an unparalleled reputation, making them the preferred firm of choice for those seeking unrivaled geospatial solutions tailored to their needs. Our team is comprised of dedicated subject matter experts and support staff, many of whom are licensed Land Surveyors, ASPRS Certified Photogrammetrists and Mapping Scientists, GIS Professionals, FAA Licensed Pilots, and Project Management Professionals.



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STANDARD

Geospatial Users Group

The Geospatial Users Group is a practice section of FSMS that facilitates Communication and Outreach between practitioners, experts, suppliers, and users of GNSS and their applicable systems. Its purpose is to act as a central voice to protect the accessibility and provide education of such systems. The Group promotes education, outreach, and information to act as a liaison between users and the various industries interacting with GNSS and advanced geomatic positioning based systems.



GREEN EQUIPMENT COMPANY

Green Equipment Company is your source for "DAMAGE PREVENTION" tools and products that lead the industry in Innovation and Quality. We offer "Value" through exceptional customer service and competitive pricing. Our highly trained, experienced sales team covers eight states and represents world-leading manufacturers. We are problem solvers, dedicated to meeting our customer's needs. With Green Equipment Company, you receive continual service after the sale. Green Equipment Company sales team members are located in Texas, New Mexico, Oklahoma, Arkansas, Louisiana, Mississippi, Alabama and Florida, each with inventory for local distribution.



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STANDARD

Kompass BMS

Kompass BMS is a fully integrated software system designed to streamline business operations for surveying & engineering companies. Developed by surveyors for surveyors, it includes an intuitive dashboard, a robust CRM, project mapping, crew scheduling, timesheets, expense reporting, and real-time visibility. The platform provides powerful features to improve collaboration, project financials, and the sales process, enabling companies to efficiently manage and grow their business.



Kucera International, Inc.

Kucera International, Inc. is a leading provider of aerial remote sensing, lidar processing/classification, photogrammetric mapping, orthoimaging, CAD and GIS conversion and support, and related services for surveying/engineering, government, industrial/ commercial, and educational/research applications. Kucera's in-house staff of over 60 experienced geomatic professionals working at offices in Florida, Ohio, and Pennsylvania includes licensed/certified photogrammetrists, surveyors, engineers, GIS/CAD specialists, project managers, pilots, and aircraft mechanics. For aerial data acquisition, Kucera maintains a fleet of high-performance, multi-port manned aircraft outfitted with latest generation aerial lidar, digital aerial imaging, and multispectral sensing systems integrated with advanced airborne GPS/IMU georeferencing technologies. For data processing, mapping, conversion, and support, Kucera uses a variety of robust, proven remote sensing, photogrammetric, imaging, and GIS and CAD technologies/software. Kucera regularly works throughout Florida, the Caribbean region, and other areas of the U.S. Kucera is a long-standing Florida professional surveying and mapping firm and a sustaining member of ASPRS.



STANDARD

L & S Diversified

L&S Diversified is a fully integrated firm positioned to design, survey, map, model, and designate utilities for governments, businesses, and organizations in the state of Florida. We provide surveying and mapping, construction surveying, LiDAR, GIS and subsurface utility engineering to the transportation, private development, environmental, energy, and government markets.



LENGEMANN

Established in 1962, Lengemann
Corporation is celebrating 60 years of
meeting customer needs. Lengemann
Corporation is one of the leading Topcon
and Sokkia full line surveying instrument
dealers in the United States. We sell/rent/
finance GPS, Robotics, Total Stations,
Drones, Machine Control, and supplies.
Lengemann Corporation is the only
authorized Topcon and Sokkia master
repair facility in the state of Florida. We also
operate one of the largest, privately owned
GPS networks in the U.S. called L-Net. Our
new onsite training facility is equipped for
all your survey and machine control needs.



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The Florida Surveyor

STANDARD

McKIM & CREED

McKim & Creed is an employee-owned firm with more than 800 staff members in offices throughout the U.S., including North Carolina, South Carolina, Florida, Virginia, Texas, Louisiana, and Pennsylvania. The Raleigh, North Carolina-based company, which was founded in 1978, specializes in civil, environmental, mechanical, electrical, plumbing, and structural engineering; industrial design-build services; airborne and mobile lidar/scanning; unmanned aerial systems; subsurface utility engineering (SUE); and hydrographic and conventional surveying services for the energy, transportation, federal, land development, water and building markets.



NV₅

NV5 is a leading provider of technology, conformity assessment, and consulting solutions for public and private sector clients supporting infrastructure, utility, and building assets and systems. The Company primarily focuses on six business verticals: construction quality assurance, infrastructure support services, utility services, buildings & technology, environmental health sciences, and geospatial technology services. NV5 operates out of more than 100 offices nationwide and abroad, with 9 offices serving the Florida Region. NV5 is a leading provider of technology, conformity assessment, and consulting solutions for public and private sector clients supporting infrastructure, utility, and building assets and systems. The Company primarily focuses on six business verticals: construction quality assurance, infrastructure support services, utility services, buildings & technology, environmental health sciences, and geospatial technology services. NV5 operates out of more than 100 offices nationwide and abroad, with 9 offices serving the Florida Region.



STANDARD

SAM

For over thirty years, SAM has built a reputation as a trusted, knowledgeable, and innovative partner. Our licensed professionals transform petabytes of complex spatial data into intelligent insights in a holistic Managed Geospatial Services™ (MGS™) framework. As North America's premiere MGS™ company, SAM provides practical, precise, and high-fidelity solutions designed to enhance decisionmaking, mitigate risks, achieve strategic objectives, and drive costs out of our client's business. Our vision is to advance spatial data acquisition, improve analysis capabilities, and develop predictive analytics to redefine and transform how infrastructure assets are developed and managed throughout their lifecycles.



SmartDrone

Founded in 2020 and based in Tyler, Texas, SmartDrone is a leading innovator in the field of unmanned aerial technology. We design, engineer, and manufacture state-of-the-art U.S.made mapping drones.

Our products are designed to redefine industry standards and are equipped with advanced technology to deliver highly accurate data. SmartDrone is not just a drone manufacturer; we are a complete solution provider. With our team of drone specialists stationed across the U.S., we offer comprehensive drone services that cover every phase from data collection and processing to delivery. Our team is dedicated to provide fast, accurate, and cost-efficient services to support the vital work of surveying, construction, engineering, mining, and more.



STANDARD

Surveyors Instrument Services, LLC

Surveyors Instrument Services, LLC is a land surveyor and construction equipment supplier based in Tampa, Florida. We offer repairs, service, rentals, supplies, new and used equipment options for all of your surveying needs. Owner, Stan Denison, has 40+ years or service and expertise in the surveying and construction industry. We provide customers with superior service and a quick turnaround time. Our years of experience, knowledge, and service in the industry has allowed us to be a reputable company for our customers. The list of equipment we sell and service is extensive.



THE UNDERGROUND DETECTIVE

The Underground Detective locates private utilities using state-of-the-art equipment for all pre-excavation and site planning needs. The state one-call (811) only marks public utilities, those which are before the service meter. Any utility beyond the service meter is usually considered private, which will require a second call to The Underground Detective.

Although The Underground Detective is not a licensed civil engineer or surveyor, we can map the utility locations with sub-meter accuracy and provide GPS coordinates with a shapefile and a Google Earth overlay. This valuable information can be used in your Auto CADD project, but our mapping work is to give our clients a basic overview of the project they are engaging in and help assess what to expect when designing, updating, or performing preliminary site work.



STANDARD

Timeless Fence System

Timeless Fence System is proud to announce its latest innovative application of Rigid PVC posts, now being used as Survey Marker posts for land surveying. This groundbreaking use of Timeless Fence's products showcases the versatility and durability of Rigid PVC posts, marking a significant advancement in the field of land surveying. Traditionally, land surveyors have relied on various materials for marker posts, but Timeless Fence's Rigid PVC posts offer a modern, efficient, and durable solution. Designed to withstand the elements and the test of time, these posts are becoming an essential tool for surveyors across the nation. Timeless Witness Posts are manufactured with the highest quality standards, ensuring that they provide reliable and long-lasting markers for land surveying. Their visibility, durability, and resistance to environmental factors make them an ideal choice for this precise field.



The University of Florida Geomatics

The UF Geomatics program was established in 1973 and is the preeminent Geomatics program in Florida. Consisting of six full-time faculty members, 80 Bachelor's degree students, 19 graduate students, and boasting two remote educational facilities in Ft. Lauderdale and Plant City, it has become the premier and leading resource for students seeking a degree in Geomatics from one of the country's most prestigious institutions. The UF Geomatic Student Association (GSA) is an active student chapter of the Florida Surveying & Mapping Society (FSMS) and has been a regular Exhibitor at their Annual Conference for many years, providing GSA members the opportunity to interact with FSMS members, gain inspiration and professional Awareness, as well as increase visibility of the GSA and UF Geomatics program to prospective students.







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"I saw this incredible product in American Surveyor magazine and thought I would give them a try. They were much easier to set than the typical carsonite's we have used in the past and far more affordable. These are a great option when hiking into the back county to set metal t-posts next to property corners. The white stands out and the stickers are a great touch. I'm looking forward to another project I can use these on."

Bill Buntrock, PLS - Owner, True North Surveying & Mapping, LLC



"I've been looking for a non-metal material as a witness post and Timeless Fence Systems delivered. The price fits our budget significantly better than the Carsonite products available. No more spray painting and carrying heavier metal fence posts. The labels look great as well."

Wes Hand ~Owner, Hand Land Surveying Co.

timelessfencesystem.com (800) 788-4709 | info@plastic-innovation.com



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ETM



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GPI Geospatial, Inc.





Program Book (Front Cover)

WGI



Casino Night CST Exams

ATWELL



Casino Night L & S Diversified Registration Desk & Signs



Casino Night

SAM





Exhibit Hall Luncheon FLORIDA CROWN CHAPTER

SIT Test Prep Bowman Young Surveyors Network Event

Bowman

SIT Test Prep

CFB Clymer Farner Barley



Cornhole Tournament

DRMP



Cornhole Tournament

LENGEMANN



Golf Tournament Central FL Chapter Registration Packets Young Surveyors Event Central FL Chapter



Exhibitor Welcome Bags BROWN & PHILLIPS



Exhibitor Welcome Bags Collier-Lee

Collier-Lee Chapter Collier-Lee



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Exhibitor Welcome Bags Manasota Chapter Manasota Chapter **Program Book (Inside Back Cover) LLW** Exhibit Hall Coffee Break NW FL Chapter Northwest FL Chapter Volusia Chapter Exhibit Hall Coffee Break Volusia Chapter

The Florida Surveyor

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LEGISLATIVE



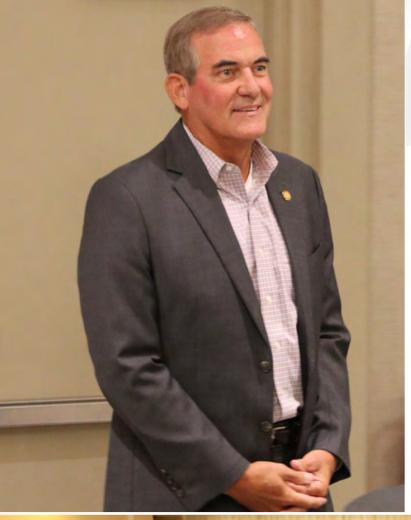






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RECEPTION



SPONSORED BY:



Stan McClain represents Florida House of Representatives District 27 serving portions of Marion, Lake, and Volusia Counties.

For the 2022-2024 term, he was appointed as the Chairman of the Ways and Means Committee. McClain has served in the Florida House since 2016 and is running for Florida Senate District 9 in November 2024. The district includes all of Levy and Marion counties, and a portion of Alachua County.

McClain began his time in public service on the Marion County Board of County Commissioners from 2004-2016. He served as Chairman of the Board three times. He achieved the designation as a Certified County Commissioner and Advanced County Commissioner from the Florida Association of Counties.



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GASINO





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SPONSORED BY:









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GASINO













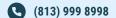
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NV5

Beyond Engineering FLORIDA REGION

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Surveyors Instrument Services, LLC, is a full-service surveying equipment retail store. We offer repairs, sales, rentals and consignments. SIS is a full-line dealer for Geomax, Topcon, Sokkia, Carlson, Seco and Schonstedt. We pride ourselves in providing our customers with superior service and a quick turnaround time. Owner, Stan Denison, has 40+ years of service and expertise in the surveying and construction industry.

Check out our website for current deals, promotions, and consignment instruments!

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- GNSS UNITS
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- LASERS
- SOFTWARE
- TECH SUPPORT

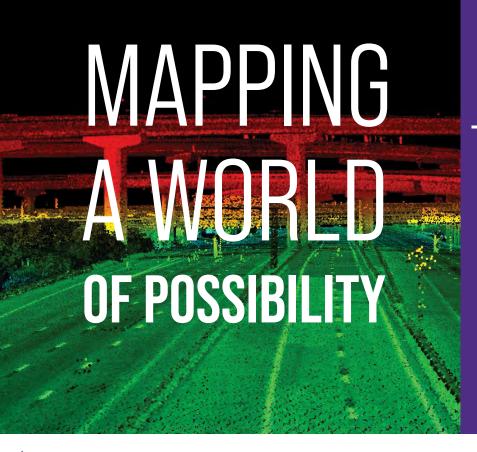












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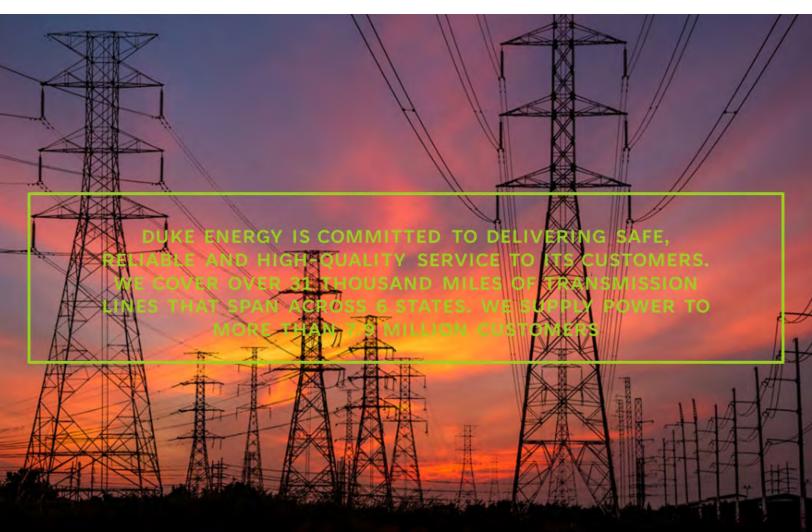
CHRIS BOSSHART, PSM Regional Manager 813.540.0745 cbosshart@mckimcreed.com



JOEL MCGEE
Director of FL ROW Mapping
813.549.3740
jmcgee@mckimcreed.com



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NSPS MEETING





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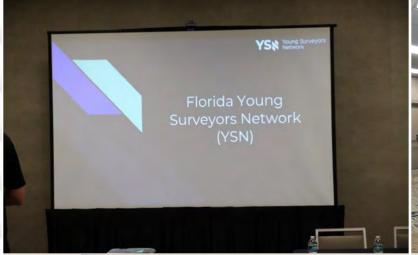




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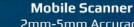










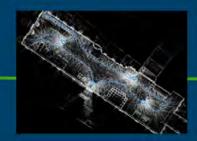


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Outgoing President Howard Ehmke presents Robin Petzold with the 2024 Presidential Award.

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L & S Diversified is a Florida based company founded in 2010 with offices in Orlando and Melbourne, Florida. We are a fully integrated firm positioned to survey, map, model, and designate utilities for governments, businesses, and organizations in the state of Florida. We provide Surveying and Mapping, Civil Engineering, Aerial and Conventional LiDAR, and Subsurface Utility Engineering to the transportation, private development, environmental, energy, and government markets.



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Surveying & Mapping
Sub-Surface Utility Engineering
Civil Engineering

The Florida Surveying and Mapping Society has an eLearning Platform that is now linked to your FSMS membership account.

When accessing the eLearning platform, use your FSMS membership username (Not Available for Sustaining Firm Memberships) and password to log in. As always, Correspondence Courses are available by mail or email.

Updated Correspondence & eLearning Courses:

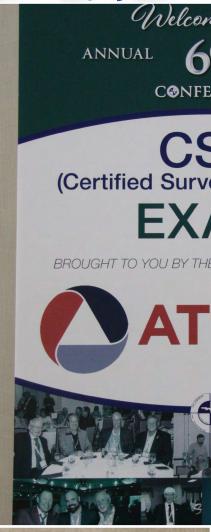
- Writing Boundary Descriptions
- Basics of Real Property
- Map Projections and Coordinate Datums
- Elevation Certificates and the Community Rating
 System
- Datums (eLearning Video Course)
- FL Surveying and Mapping Laws

CHECK YOUR CREDITS HERE

SATURDAY CST EXAM (CERTIFIED SURVEY TECHNICIAN)









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SEMINARS III



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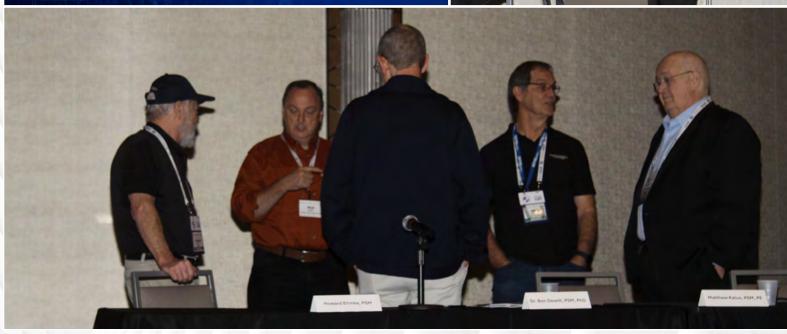
SATURDAY SURVEYING THE INFRASTRUCTURE OF GIS PANEL DISCUSSION

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SEMINARS BOUNDARY LITIGATION & THE SURVEYOR

207-631-1541

INSTRUCTED BY KNUD HERMANSEN, PLS, PE, PHD, ESQ.



Boundary Litigation & The Surveyor Knud E. Hermansen Many surveyors will be involved in boundary litigation as an expert witness. For those surveyors without experience as an expert witness, boundary litigation can be a stressful experience. Even surveyors with experience may wish to improve their testimony and be more credible and persuasive. This workshop will explain boundary litigation and the surveyor's role in litigating boundaries. Knud Hermansen P.L.S., P.E., Ph.D., Esq. (ME Only) knudehermansen@gmail.com







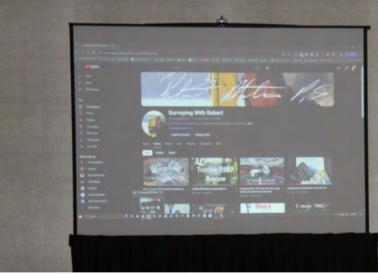
| Do Nothing | BENEFITS | DIS-BENEFITS |
|----------------------|--------------------------|--------------------------|
| - crouning | Inexpensive | Lose Title/Rights |
| Negotiate/Agreement | Maintains the Status Quo | - This regals |
| Sound Agreement | Inexpensive | Reluctance to Confront |
| Arbitrate Litigation | Gain Title/Rights | Lose Title/Rights |
| | Client can seek justice | No appeal |
| | Savvy arbiter | No Rules except Contract |
| | Inexpensive | - Triest Constant |
| | Fast | |
| | Full hearing | Costly |
| | Appeal available | Time Consuming |
| | Rule | s Civil Proc. |
| | Rules of Evidence | |
| | Advocate Expected | |

SATURDAY

FILLING AVAILABLE SURVEY POSITIONS WITH TECHNOLOGY INSTRUCTED BY ROBERT MARTIN, PS





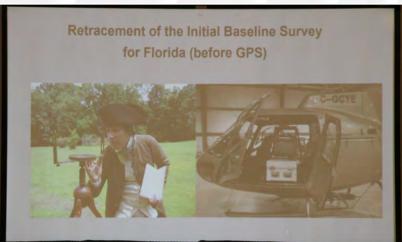






SEMINARS

RETRACEMENT OF THE INITIAL BASELINE SURVEY FOR FL INSTRUCTED BY ALLEN NOBLES, PSM











SATURDAY SURVEYING RAILROAD CORRIDORS WITH RESPECT TO

PROPERTY — INSTRUCTED BY LESLIE ODOM, PSM



Several Options for Maps

- National Archives but Hard to Track down the Map you want
- County Surveyor but Probably Not up to Date
- Host Railroad, Typically for a Fee \$\$\$
- Local Railroad Museum



Railroad Safety

- Federal Railroad Administration (FRA) regulation 49 C.F.R. Part 214 vs. Right-of-Entry
- Insurance, your liability insurance does not cover you
- **Railroad Police**



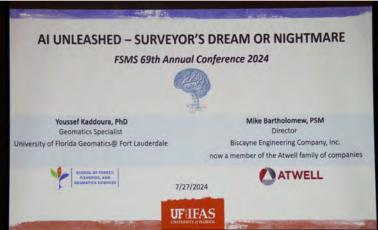
Railroad Classification

The Florida Surveyor Page 143

SEMINARS

AI UNLEASHED-SURVEYOR'S DREAM OR NIGHTMARE INSTRUCTED BY DR. YOUSEFF KADDOURA, PHD & MIKE BARTHOLOMEW, PSM











SATURDAY

AN INTRO TO LEVERAGING REMOTE SENSING & SURVEYING PRACTICES FOR DESIGN-GRADE SURVEY PROJECTS INSTRUCTED BY MICHAEL ZOLTEK, LS, CP, CFEDS, GISP, PMP AND JEFFREY YOUNG, PSM, CP, PPS, SP

GPI

An Introduction to Leveraging Remote Sensing and Surveying Practices for Design-Grade Survey Projects

> Jeffrey Young, CP, PSM Michael J. Zoltek, CP, LS, CFedS, GISP, PMF



The Florida Surveyor

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THE ROLE OF TITLE IN THE GOVERNMENT LAND ACQUISITION DUE DILIGENCE PROCESS INSTRUCTED BY WENDI MCALEESE





Common Ownerships

- Tenancy by the entireties
- Joint tenants with rights of survivorship
- Tenants in common
- Trusts and Trustees
- Estates
- Life Estates and Remainder Interest

NGS News

NGS Geospatial Product Updates

NGS has recently updated some of its most popular geospatial products available, including the Alpha SPCS2022 Experience, Datasheet shapefiles. Additionally updates to the Feature Services utilized by the NGS Map are coming soon.

Alpha SPCS2022 Experience

The Alpha SPCS2022 Experience was upgraded from using Raster Tile Layers to Tiled Image Layers. Instead of simply viewing images of the distortion layers, users can now click and retrieve pixel values for the distortion on all layers. Additionally, users can now bring these layers into their own online maps or desktop maps and extract or reclassify the raster data. Finally, the application's updated responsive design improves usability on computers and mobile devices.

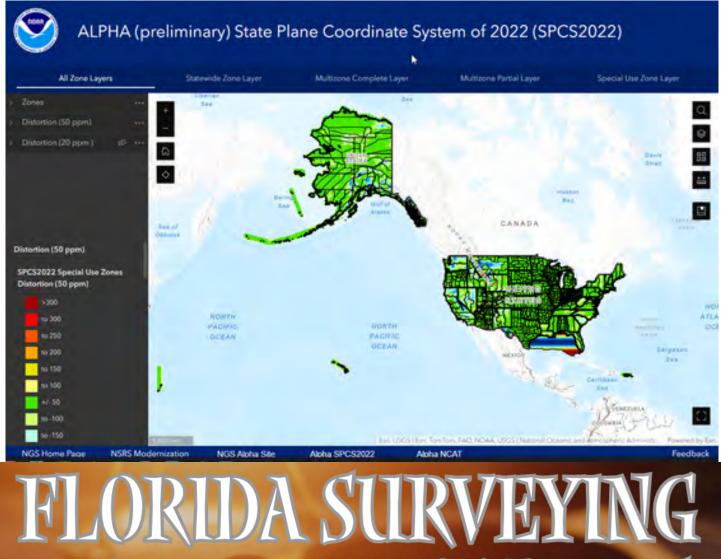
Datasheet Shapefiles

NGS recently updated the Datasheet shapefiles, moving the beta format to production and retiring the old format. The now singular Datasheet shapefile format includes the more expansive list of fields that was popular in the beta format. More specific information about all changes to the shapefile datasheets can be found in the Datasheet Shapefile Changes document.

ArcGIS Online Datasheets, CORS and OPUS Shares Solution Assets
This month NGS will update the ArcGIS Online Feature Services utilized for
the NGS Map [Datasheets, CORS, and OPUS Shared Solutions] and change
to Views of these Feature Services. This update will change the service
URLs, so anyone currently using these feature services in web maps/
applications will need to update their service links by October.

The Datasheets View, NOAA CORS Network View, and OPUS Shared Solutions View are already publicly available and can be used for your maps and applications today.

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1956 - 1957 H.O. Peters



1957 - 1958 Harry C. Schwebke



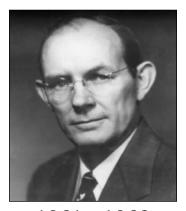
1958 - 1959 John P. Goggin



1959 - 1960 R.H. Jones



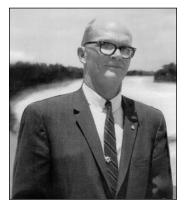
1960 - 1961 Hugh A. Binyon



1961 - 1962 Russell H. DeGrove



1962 - 1963 Perry C. McGriff



1963 - 1964 Carl E. Johnson



1964 - 1965 James A. Thigpenn, III



1965 - 1966 Harold A. Schuler, Jr.



1966 - 1967 Shields E. Clark



1967 - 1968 Maurice E. Berry



1968 - 1969 William C. Hart



1969 - 1970 Frank R. Shilling, Jr.



1970 - 1971 William V. Keith



1971 - 1972 James M. King



1972 - 1973 Broward P. Davis



1973 - 1974 E.R. (Ed) Brownell



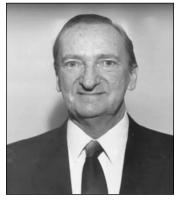
1974 - 1975 E.W. (Gene) Stoner



1975 -1976 Lewis H. Kent



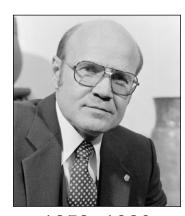
1976 - 1977 Robert S. Harris



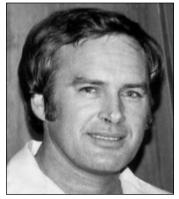
1977 - 1978 Paul T. O'Hargan



1978 - 1979 William G. Wallace, Jr.



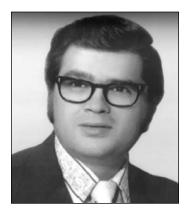
1979 -1980 Robert W. Wigglesworth



1980 - 1981 Ben P. Blackburn



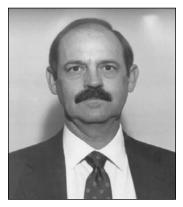
1981 - 1982 William B. Thompson, III



1982 - 1983 John R. Gargis



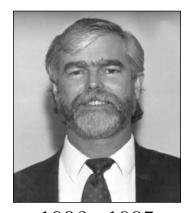
1983 - 1984 Robert A. Bannerman



1984 - 1985 Buell H. Harper



1985 - 1986 H. Bruce Durden



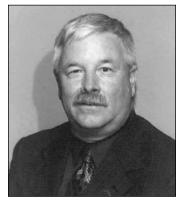
1986 - 1987 Jan L. Skipper



1987 - 1988 Stephen M. Woods



1988 - 1989 Stephen G. Vrabel



1989 - 1990 W. Lamar Evers



1990 - 1991 Joseph S. Boggs



1991 - 1992 Robert L. Graham



1992 - 1993 Nicholas D. Miller



1993 - 1994 Loren E. Mercer



1994 - 1995 Kent Green



1994 - 1995 Robert D. Cross



1995 - 1996 Thomas L. Connor



1996 - 1997 Gordon R. Niles, Jr.



1997 - 1998 Dennis E. Blankenship



1998 - 1999 W. Lanier Mathews, II



1999 - 2000 Jack Breed



2000 - 2001 Arthur A. Mastronicola



2001 - 2002 Michael H. Maxwell



2002 - 2003 John M. Clyatt



2003 - 2004 David W. Schryver



2004 - 2005 Stephen M. Gordon



2005 - 2006 Richard G. Powell



2006 - 2007 Michael J. Whitling



2007 - 2008 Robert W. Jackson, Jr.



2008 - 2009 Pablo Ferrari



2009 - 2010 Steve Stinson



2010 - 2011 Dan Ferrans



2011 - 2012 Jeremiah Slaymaker



2012 - 2013 Ken Glass



2013 - 2014 Russell Hyatt



2014 - 2015 William Rowe

Presidents



2015 - 2016 Dale Bradshaw



2016 - 2017 Lou Campanile, Jr.



2017 - 2018 Robert Strayer, Jr.



2018 - 2019 Dianne Collins



2019 - 2020 Don Elder



2020 - 2021 Hal Peters



2021 - 2022 Lou Campanile, Jr.



2022 - 2024 Howard Ehkme



Executive Director
Rebecca Porter
director@fsms.org



Education Director
Samantha Hobbs
education@fsms.org



Communications
Director
Justin Ortiz
communications@fsms.org



Regional Coordinator
Cathy Campanile
seminolecc84@gmail.com

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- Rate is per person based on double occupancy!
- Be sure to book with our Travel Advisor, Gail Oliver to get the Group benefits.

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Live Seminar at Sea:

Course # 10757 (5 CECs) FL Surveying and Mapping Laws, Rules, and Other Statutes. — Saturday, 2/1/25 from 7:30 am to 12:00 pm.

Description: This course will review various laws and rules which regulate the practice of surveying and mapping within the jurisdiction of the State of Florida. It will also include "other" random laws the surveying profession has listed and that you may not have heard or thought of. Get ready for an interactive fun discussion on laws and rules, including Standards of Practice!

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