

## THE FLORIDA - SURVEYOR

July 2020 Volume XXVIII, Issue 7

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NSRS Modernization News

Around the State

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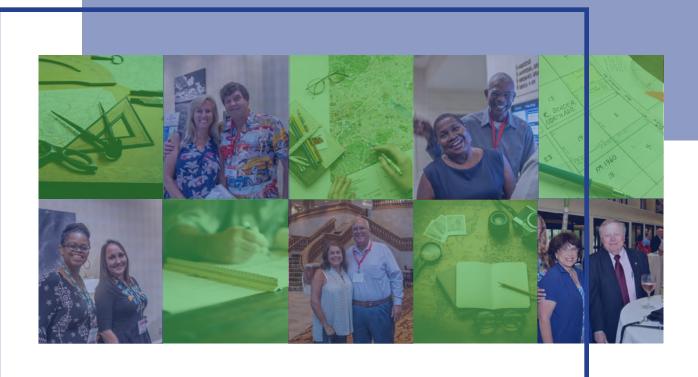
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### PRESIDENT'S message

Many parts of our daily lives and normal business activities continue to be disrupted by our current public health challenges. However, some things are perpetual and unaltered. The July heat is here, so if you are working or playing outdoors, don't forget to stay hydrated and take frequent breaks to cool down. If you're going to be spending time outdoors tomorrow, start hydrating tonight!

Another perennial risk to health and safety continues to persist on the regulatory front — the ongoing saga of Ligado Networks. For those who are unfamiliar, Ligado Networks is a company which seeks to create a broadband network using a frequency which is close to the frequency range which GPS operates in. The reputable scientific consensus is that the proposed operations by Ligado will disrupt GPS functions at ground level and in the low atmosphere. Near the end of June, a new coalition of opposition to the Ligado proposal was founded. The Keep GPS Working Coalition (<a href="https://www.keepgpsworking.com/">https://www.keepgpsworking.com/</a>) joins powerful opponents of the proposal which include the DoD and FAA among others. Without belaboring the long history of the Ligado endeavor here, suffice to say that it is critically important for surveyors to become educated and to remain engaged regarding this issue.

On another technical topic, NGS has announced a delay in the full implementation of the upcoming NSRS Modernization effort. The current projection for full implementation has been shifted from 2022 to a likely 2024-2025 timeframe, but many of the deadlines for project input remain unchanged. The NGS statement and a link to further details on the delay's impacts can be found here:

https://www.ngs.noaa.gov/datums/newdatums/delayed-release.shtml.

Closer to home, our annual General Business Session will be conducted online at 9AM EDT on Friday, July 24. Details for this session will follow soon, so keep an eye on your inbox and the FSMS website for information including the agenda and how to register to attend and get your educational credit for attendance.

Speaking of educational credit, our friend David Melvin will be partnering with us on July 9th from 11AM to 1PM EDT to present a 2 hour webinar on Building Diagram Selection for FEMA Elevation Certificates. Registration information for this seminar is located here: <a href="https://www.fsms.org/upcoming-seminars">https://www.fsms.org/upcoming-seminars</a>.

As a final thought, I'd encourage everyone not to get too caught up in the politics of pandemic. As surveyors, we rely on science and evidence to make our determinations in accordance with relevant laws. These philosophies and practices have kept our profession whole for a long time, and the same concepts strike me as equally applicable to the public health matter at hand. We need to keep every geospatial professional healthy and working!

Until next month, stay safe, and I look forward to seeing you at the General Business Session!



President
Don Elder
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Issue 20, June 2020

### **NSRS Modernization News**

For all issues of NSRS Modernization News, visit: geodesy.noaa.gov/datums/newdatums/TrackOurProgress.shtml

### Delayed Release of the Modernized NSRS

NOAA's National Geodetic Survey (NGS) is amounting a delay in the release of the modernized. National Spatial Reference System (NSRS).

In 2007, NGS began planning for the modernized. NSRS, acquiring its first airbonne gravimeter, creating and initiating the Gravity for the Redefinition of the American Vertical Datum (GRAV-D) project and by 2008 had codified its modernization plans into a Ten Year Plan. At that time, the target completion date was 2018. By 2013, that date seemed unlikely, due to both the broadening of the GRAV-D project coverage area. and the experience of five years of operational planning and execution.

In 2013, NGS revised its 2007 Strategic Plan, and targeted 2022 as the date of the release of the modernized NSRS. This date was reinfuced with a 2018 Strategic Plan revision. By 2017, confidence in bitting the 2022 target was high enough to reach final agreement with Canada and Mexico on a marring convention for certain components, to include "2022" in their names.

Since 2017, operational, workforce, and other issues. have arisen and compounded, causing NGS to recently re-evaluate whether a successful roll-out by 2022 is possible. The most significant impacts have been in workforce hiring and retention, and in meeting GRAV-D data collection milestones, which underpin the NSRS modernization efforts.

NGS is currently conducting a comprehensive analysis of enguing projects, programs, and resources required to complete NSRS modernization. and will continue to provide regular updates on our progress. To get the latest news on NSRS modernization and track our progress, subscribe to NGS News or visit our "New Datums" web pages.

Here are brief answers to some expected questions:

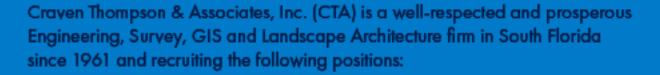
- Q) How king will the delay be?
- A) We don't know. At best, it now looks like the 2024–2025 timeframe.
- (i) Will the names stay the same?
- A) Yes, terms containing "2022" such as "GEOID2022" and "NATRF2022" will remain. the same.
- ()) How will this affect deadlines, such as far SPCS and GPS on BM data submittals?
- A) Those deadlines will not be changed.

Further details, and more answers are available on this FAQ.



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### Please contact:

Richard D. Pryce, PLS/PSM, VP Survey & GIS, Craven Thompson & Associates, Inc.

3563 NW 53rd St., Fort Lauderdale, FL 33309, (954) 739-6400 rpryce@craventhompson.com







### MILLER LEGG EMPLOYEE RICK PRYCE DEVELOPS GIS MAP TO AID LAW ENFORCEMENT IN FLORIDA'S EQUIPMENT THEFT CRISIS



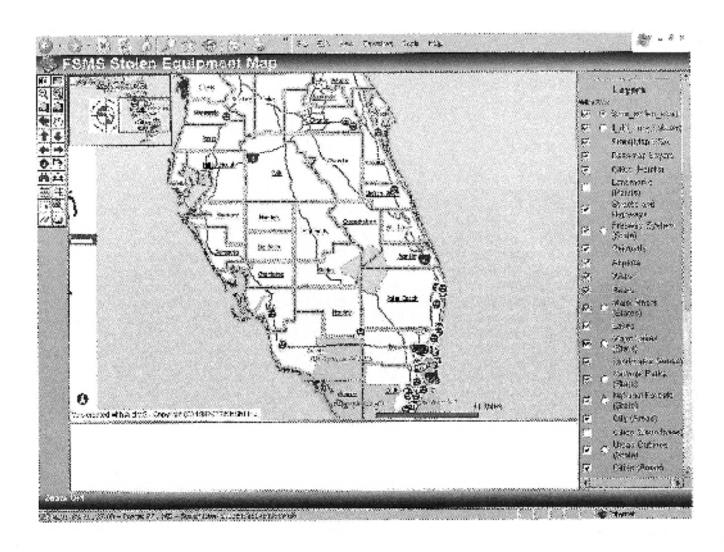
FSMS staff and leaders have been working with Florida law enforcement agencies to develop ways to address the equipment their crisis. In addition, member Richard Pryor of Miller Legg, volunteered his time to help combat this serious problem.

Rick, a licensed professional surveyor and mapper since 1983, developed the PSMS Stolen Equipment Map, which is available ordine at http://maps.millerlagg.com/website/PSMS. This electronic map uses GIS technology to chart the stolen equipment locations and other pertinent crime data relating to each incident. Pryce spent numerous hours creating the map and continues to work closely with Michelle Chapman. Recruiting Coordinator, who maintains the crime database, in updating the map on a regular basis.

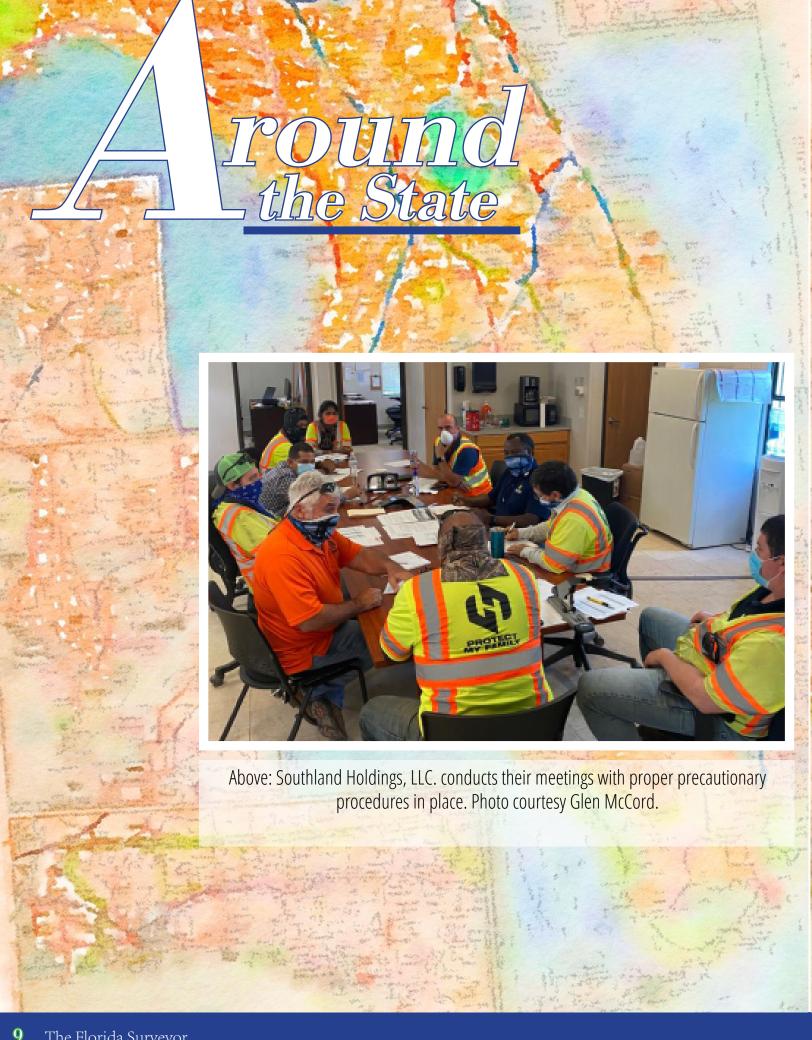
For more information on the USMS Stolen Equipment Map, contact Rick at apryce@millerlegg.com.

Editor's Note: 1814S sincarely thanks Miller Legg for its role by the CHS map development. Miller Legg, a long-time Sustaining Firm and manach supporter of FSMS, has cultivated numerous Chapter

Presidents: FSMS Board Members, Officers and Observors. We are extremely grateful.











### Get to know your NSPS President, Mark Sargent, N.H. LLS 741

Mark is a licensed land surveyor and the owner and managing member of Richard D. Bartlett & Associates, LLC, a land surveying firm located in Concord NH. He has been employed in the Land Surveying Profession for over 35 years and been active in land surveying organizations since college. Mark represented New Hampshire as NSPS Director/Governor from 2007 till his election as NSPS Vice President in 2018. He was elected to the NSPS membership grade of Fellow in 2013 and served as Secretary to the NSPS Board of Governors in 2012 and 2013 and as Chairman of the Board of Governors in 2014 and 2015.

Mark is a graduate of the Thompson School of Applied Sciences and the University of New Hampshire and holds an Associate's degree in Forest Technology and a Bachelor's of Science degree in Forest Resources.

Mark served as the 35th President of New Hampshire Land Surveyors Association in 2004 and has been a member of NHSLA for 40 years. He was elected to the membership grade of Fellow in 2005 and was the recipient of a NHLSA Presidential Citation and Distinguished Service Awards in 2005 and 2019 and was presented the Surveying Excellence Award in 2008.

Mark's professional practice include boundary, topographic, highway, construction, bathymetric and expert witness testimony. He employs a staff of seven great people and his clients include commercial, industrial and municipal entities as well as private engineering firms and individual land owners.

Mark lives in Center Barnstead with his wife Ginger and dog Raven in a 150-year old home that he and Ginger restored and unendingly work on. He is an avid fly fisherman and loves to spend his weekends, when possible, fishing at his camp in the northern reaches of New Hampshire on the Canadian border.

National Society of Professional Surveyors



### Get to know your NSPS President-Elect Timothy W. Burch, PLS



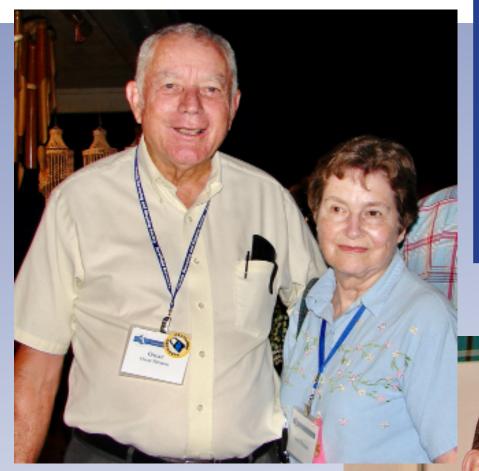
Timothy W. Burch, PLS currently serves as President-Elect of the National Society of Professional Surveyors (NSPS) Board of Directors. He served as Vice President, Secretary for four (4) years and as Governor/Director representing Illinois from 2007 to 2014). Tim currently produces the NSPS podcast, "Surveyor Says!" along with assisting with oversight of NSPS social media accounts.

Tim is the Director of Survey for SPACECO, Inc., Rosemont, Illinois, where his duties include establishing new markets and clients and mentoring of surveying staff. He is a co-contributing editor for survey in GPS World Magazine (2015-present) and contributor to the various surveying society newsletters.

He also serves as a Brand Ambassador for the "Get Kids into Survey" initiative created by Elaine and Elly Ball from England. He is also a longtime member of the Illinois Professional Land Surveyors Association.

### National Society of Professional Surveyors

# ELEBRATING PAST fsms conferences!



Above: Oscar and Lois Pitman, 2006



Above: Bob Jackson and "Friend", 2006

Left: Greg Reith and Tom Snow, 2006



Thank you Greg Rieth and Maryhanna Clodfelter for these wonderful submissions!

Left: Women In Surveying, 2007



I have a very fond memory of a special conference. It was the 2002 conference, at the Wyndham Palace Resort & Spa in Lake Buena Vista. This would be Greg's first time as the MC for the Banquet. He was a bit nervous and wouldn't tell me how he was introducing anyone at the Head Table, including me. As he made his introductions of those seated at the head table, he went down the line introducing each member of the table in his witty way and when he got to me, he suddenly became a bit serious. Anyone that knows Greg knows that he must be about to be say something pretty profound (Ha). Oh well, he sure did this night! He introduced me as the woman he wanted to spend his life with. I was obviously stunned. I can remember Marilyn turned to me and said, "Did he just propose to you?" I looked at her with tears in my eyes and said," Oh my, I think he did!".

Well, for a moment the room was also as stunned as I was. But then when it all sunk in, everyone cheered and shouted their happy congratulations! That was almost 17 years ago, and Wow!, What a conference to remember!!

Submitted by Nancy Rieth

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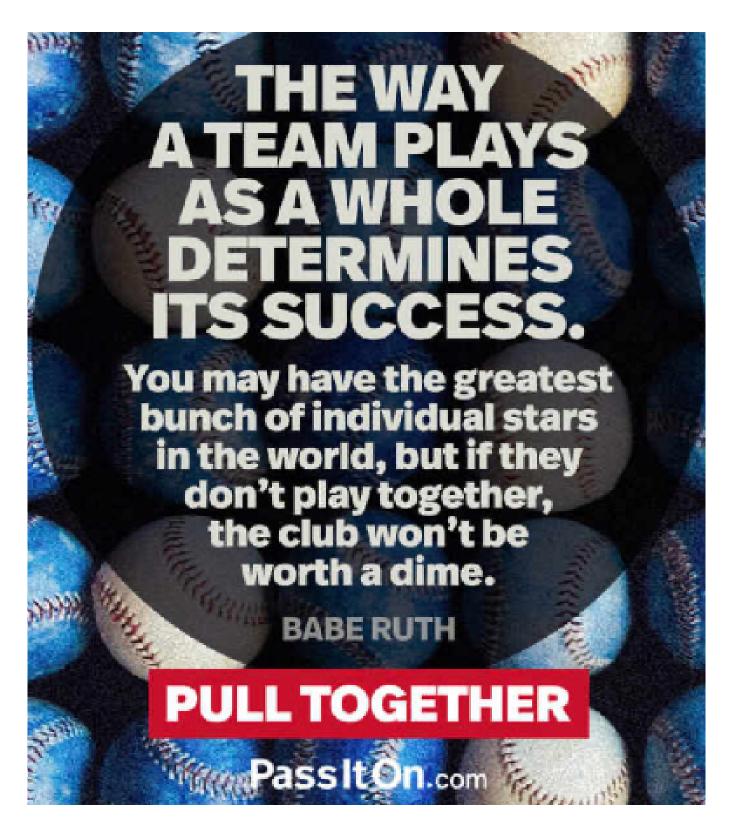


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**Education Director** Rebecca Culverson education@fsms.org

**Communications** Director Laura Levine communications@fsms.org

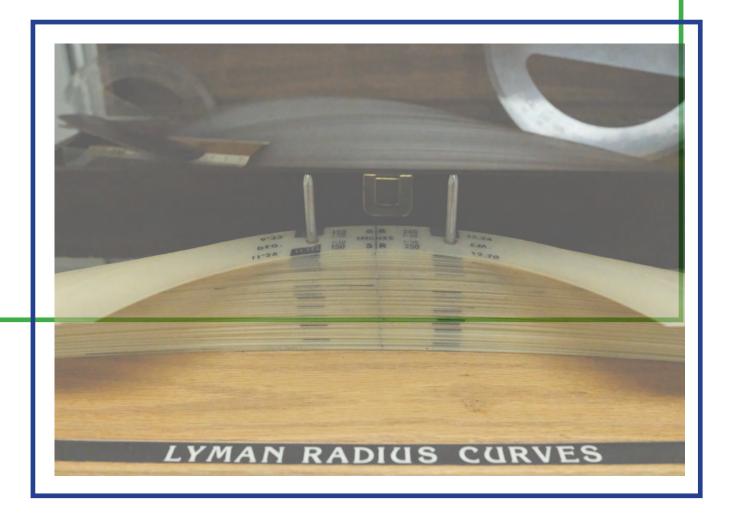
**Regional Coordinator** Cathy Campanile seminolecc84@gmail.com



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.



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Navigation Electronics, Inc. Northstar Geomatics, Inc. Northwest Surveying, Inc. Northwest Surveying, Inc. NV5, Inc.  Omni Communications, LLC. On The Mark Surveying, LLC. PEC Surveying & Mapping, LLC. Pennoni Associates, Inc. Pickett & Associates, Inc. Point Break Surveying, LLC. Point Break Surveying, LLC. Point to Point Land Surveyors, Inc. Polaris Associates, Inc.	N	
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	Robayna and Associates,	305-823-9316

S	
SAM Surveying & Mapping, LLC.	850-385-1179
Sergio Redondo & Associates, Inc.	305-378-4443
Settimio Consulting Services	850-341-0507
SGC Engineering, LLC.	207-347-8100
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T	
T2UES, Inc.	855-222-8283
Thurman Roddenberry & Associates, Inc.	850-962-2538
Tuck Mapping Solutions, Inc.	276-523-4669

U	
Upham, Inc.	386-672-9515
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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
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Contracts for the Professional Course 48412 (3 General CEC)

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Hievarion Certificates and the Community Hating System Course 48256 (8 General CEC)

\$ 70∞



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Fiorida Laws Course, 47:49 (6:SOP/L&B OFC)

\$ 12070



Professional Lithics and Professional Courtesy FULL Video Course #8393 (6 General CHC)

\$ 120<sup>00</sup>



Georgia Technica Standards for Property Surveys Course #8554 (6 General CEC)

\$ 120%



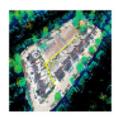
History of Surveying Course 47140 (6 General CEC)

\$ 120%



identification of Native and Non-Netive Trees in Florida Course 48182 (G General CEC)

\$ 12000



Introduction to Photogrammetry Course 47968 (3 General DEC)

\$ 70°°



Land Tenure and Cadostral Systems Course 48280 (8 General CEC)

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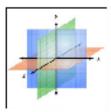
Map Projections and Plane Coordinate Systems Dourse 48201 (3 General OEC)

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Practical Geometry for Surveyors Course #7141 (0 General CEC)

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Remote Sensing Applications to Surveying & Mapping Course 47148 (0 General CEC)

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Wining Boundary Descriptions Course 48802 (3 General CEC)

\$ 7000



### Correspondence Courses



### Step 1: Choose Course(s)

5J-17 Standards of Practice (SOP), #6962, 6 SOP/L&R CEC A History of the Prime Meridian Marker, #8403, 3 General CEC Basics of Real Property, #8359, 3 General CEC Boundaries in Florida, #7667, 6 SOP/L&R CEC □ Chapter 177, Platting (Plat Law), #6970, 6 SOP/L&R CEC Client Satisfaction Excellence for Surveying and Mapping Professionals, #7229, 6 General CEC (Only) available by mail) Contracts for the Professional, #8411, 3 General CEC Critical Communication for Surveying & Mapping Professionals, #7228, 6 General CEC (Only available by mail) Digital Signatures for Surveyors, #8491, 3 General CEC Elevation Certificates and the Community Rating System, #8257, 3 General CEC Ethics for the Design Professional, #8620, 6 General CEC □ Florida Laws, #6966, 6 SOP/L&R CEC Georgia Technical Standards for Property Surveys, #8553, 6 General CEC Geographic Information Systems (GIS), #7107, 6 General CEC History of Surveying, #7108, 6 General CEC Identification of Native and Non-Native Trees in Florida, #7874, 6 General CEC Introduction to Photogrammetry, #7887, 3 General CEC Land Tenure and Cadastral Systems, #7829, 6 General CEC Map Projections and Plane Coordinate Systems, #7669, 6 General CEC Mean High Water Observations and Computations, #8220, 6 General CEC Practical Geometry for Surveyors, #7109, 6 General CEC Public Land Survey System, #6979, 6 General CEC Remote Sensing Applications to Surveying & Mapping, #6972, 6 General CEC Stress Management for Surveyors & Mappers: How to be Productive Under Pressure, #6902, 6 General CEC (Only available by mail) Time Management for Surveyors & Mappers: How to be Productive & Exercise Time Mastery in A Hectic World, #6901, 6 General CEC (Only available by mail) Writing Boundary Descriptions, #8361, 3 General CEC

### Step 2: Choose Member Type

	EMAILED	Fee	_	Quantity			Imount		
	6 CEC	\$115 Per Course	×		•	<b>*</b>			
	3 CEC	\$58 Per Course	×		•	<b>*</b>			
	MARLED								
	1	\$125 Per Course			-	<b>*</b>			
	3 CEC	\$88 Per Course	×		•	<b>*</b>			
		TOTAL				*			
☐ <u>No</u>	n-Member								
	EMAILED	Fee		Quantity			Imount		
	1	\$135 Per Course			•	<b>*</b>			
	3 CEC	\$78 Per Course	×		•	<b>*</b>			
	MARLED	•				_			
		\$145 Per Course			•	<u> </u>			
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		TOTAL				*			
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		\$100 Per Course			•	<b>*</b>			
	3 CEC	\$80 Per Course	×		-	<b>*</b>	<del></del>		
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	I	\$110 Per Course			•	<u>*</u> —			
	2 CEC	\$70 Per Course	×		•	₹—	<del></del>		
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		Step 3: Pa	ayme	ent Info	rm	ation			
<b>-</b>			PSM	k	_ 8	tate:	_ FSMS Member: _	YE8_	_w
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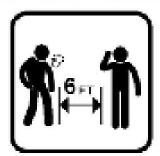
Cover your mouth and nose with a tissue, or use the inside of your elbow.

### WASH HANDS OFTEN



Wash with soap and warm water for at least 20 seconds.

### AVOID CLOSE CONTACT



The CDC recommends you keep a minimum distance of 6 feet between yourself and others.

### AVOID TOUCHING YOUR FACE



Avoid touching your eyes, nose & mouth. If you do, wash your hands or use a hand sanitizer that contains at least 60% alcohol first.

### CLEAN AND DISINFECT



Clean and disinfect frequently touched surfaces daily. Use detergent or soap and water prior to disinfection.

### STAY HOME IF YOU ARE SICK!



STAY HOME. Do not leave, except to get medical care. Do not visit public areas.

### 2020 Chapter Presidents

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### Collier-Lee

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Gerardo Rojas grojas2017@fau.edu

### District 7

### Miami-Dade

Frank Pauas-Suiero fparuas@gpinet.com

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### District 2 / Northeast

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

Nick Digruttolo (863) 344-2330 ndigruttolo@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 Howard Ehmke (407) 567-1566 (561) 682-2987 alq.fsms@gmail.com hehmke@sfwmd.gov

### District 4/West Central

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

Greg Prather Alex Parnes (863) 533-9095 (727) 847-2411 gprather@pickettusa.com alexwolfeparnes@gmail.com

### **District 5/ Southwest**

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

Shane Christy Jeffrey Cooner (941) 748-4693 (239) 829-7016 shane@hyattsurvey.com 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 Lou Campanile (954) 980-8888 lou@campanile.net

### **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 2000

Arthur A. Mastronicola

Michael H. Maxwell

John M. Clyatt

David W. Schryver

Stephen M. Gordon

Richard G. Powell Michael J. Whitling

Robert W. Jackson, Jr.

Pablo Ferrari

Steve Stinson

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

2010

Dan Ferrans

Jeremiah Slaymaker

Ken Glass

Russell Hyatt

Bill Rowe

Dale Bradshaw

Lou Campanile, Jr.

Bob Strayer, Jr.

Dianne Collins

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Building Diagram Selection for FEMA Elev. Certificates webinar July 9, 2020, 11a.m.-1 p.m. Click here for details!

General Business Session July 24, 2020, 9-11 a.m. via Zoom: Check fsms.org for details!

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