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Florida West Coast Section (FWCS)

The SunCoast SIGNAL Newsletter

The Institute of Electrical and Electronics Engineers, Inc.

This Newsletter is Now
**DISTRIBUTED
ELECTRONICALLY**

There is **NO Print Edition**
Also, it can be downloaded
from the FWCS website:
<https://r3.ieee.org/fwc/newletter-archive/>

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Next ExCom Meeting
Tuesday, September 9, 2025
Google Meet
Register with vTools

<https://events.vtools.ieee.org/m/496148>

PE Corner

Art Nordlinger, PE, Life Senior Member
Rules and Law Changes

Changes to rules affecting continuing education providers went into effect May 26, 2025. It is important that every PE understand these requirements to ensure that the providers from whom they receive continuing education are in compliance.

Specifically, Rule 61G15-22.012(1)(c), Florida Administrative Code, Obligations of Continuing Education Providers, updates what must be included on individual certificates of attendance. CE providers must now include the following on certificates provided to attendees:

- ◆ participant/licensee name;
 - ◆ participant/licensee PE number;
 - ◆ course number, if applicable;
 - ◆ course topic;
 - ◆ presenter;
 - ◆ date of class;
 - ◆ number of continuing education hours awarded;
- and
- ◆ a brief description of the course.

Also, a separate certificate must be provided for each course in cases where multiple courses are provided back-to-back.

Continued on Page 2

IEEE FWCS ExCom Members

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WEB PAGE: <https://r3.ieee.org/fwc/>

PE Corner - Cont'd from Page 1

Both CE providers and PEs must maintain attendance records for each course for four years and have them available for inspection at the request of the Florida Board of Professional Engineers or its staff. This is not a change.

For CE providers who offer Florida Laws and Rules continuing education, the provider must report rosters of completions of courses directly to the Florida Department of Business and Professional Regulation, using its CE provider reporting portal, within 30 days of the course's completion.

Next, a newly enacted law establishes new disclosure requirements for Professional Engineers and other professional licensees in Florida when bidding to perform services related to milestone inspections and structural integrity reserve studies in accordance with HB 913, which went into effect July 1, 2025. In summary:

Architects and engineers who bid to perform milestone inspections are now required to disclose in writing to a condominium or cooperative association their intent to bid on services related to any maintenance, repair, or replacement which may be recommended by the milestone inspection.

Any design professional or licensed contractor who submits a bid to a condominium or cooperative association to perform any services recommended by a milestone inspection must disclose in writing to the association that they or their relative has an interest, directly or indirectly, in the firm or entity that performed the milestone inspection.

Any design professional or licensed contractor who bids to perform structural integrity reserve studies is now required to disclose in writing to a condominium or cooperative association his or her intent to bid on any services related to any maintenance, repair, or replacement, that may be recommended by the structural integrity reserve study.

Any design professional or licensed contractor who submits a bid to a condominium or cooperative association to perform services recommended by a structural integrity reserve study must disclose in writing that they or their relative has an interest, directly or indirectly, in the firm or entity that performed the structural integrity reserve study.

The new law specifies significant penalties for non-compliance.



Florida West
Coast Section



Consultants
Network



Power &
Energy Society



IEEE Aerospace
and Electronics
Systems Society



Women in
Engineering



ORGANIZER: AMHERCORP -- Hermann Amaya – hamaya@amhercorp.com

MACHINE LEARNING IN RELATION TO ARTIFICIAL INTELLIGENCE

Date: Thursday, August 28, 2025

Time: 5:00 PM – 8:00 PM (EDT)

Speaker: Stephen Skrzypkowiak, PhD, PE Consultant SMIEEE

Location: Saint Petersburg Yacht Club, 11 Central Ave, St. Petersburg, FL 33701

Cost: Admission \$60 - Students \$25, Includes Pizza Dinner and Parking at the Yacht Club.

CEH: 3 CEHs included in the Admission, Certificate available by selecting Yes at registration.

RSVP: Online at: <https://events.vtools.ieee.org/m/488294>

Questions: Hermann Amaya, Chair CNAG hermann.amaya.us@ieee.org

Guy Perry, Vice Chair CNAG guy.perry@bluocean.ai

Abstract: Machine learning (ML) is a branch of artificial intelligence (AI) that focuses on developing algorithms and models that allow computers to learn from data without being explicitly programmed. It's about equipping systems with the ability to learn, identify patterns, and make decisions based on data, rather than solely relying on pre-defined instructions.

Stephen Skrzypkowiak, SMIEEE, PhD, PE Consultant: Technical Lead and SME supporting the Science and Technology (S&T) Directorate of the Department of Homeland Security (DHS), the Transportation Security Administration (TSA), the Transportation Security Laboratory (TSL) and the Federal Aviation Administration (FAA) over the past 15 years as a Subject Matter Expert (SME) in x-ray physics, image processing, computer vision, and detection algorithm development over the full product life cycle of security screening systems.

Prior to 2003, served as System Architect in private industry/commercial environment for the development of x-ray-based explosives detection systems, including the development of detection, segmentation and reconstruction algorithms. Project Lead in collaborative efforts with geographically dispersed

teams of software, electrical and mechanical engineers and university researchers. Adept at creating and driving solution for complex technical challenges with limited deadlines and budgets. Extensive work in government and commercial contracting, work plan development, and project management.

Directed research and development in reconstruction methods, computer vision, pattern recognition, signal processing, imaging processing, medical image analysis, video compression, and x-ray scanning systems. Software coded with VC++, Visual Studio and MATLAB. Extensive experience in file format standard establishment and definition in the DICOM and DICOS standards under the oversight of NEMA and the EDS N42.45 Image Standard under the oversight of the IEEE.

Project Engineer in the design and testing of the L3 Technology eXaminer 3DX 6000 system, the eXaminer 3DX 3000 and the eXaminer 3DX 1000 ARGUS EDS, including hardware and software architecture, the implementation of the real-time detection algorithm, the baggage viewing station and the image archiving system for the second generation certified systems.



Calling all Power Industry & Computer Science Professionals USF Interview Skills Workshop

Date: Friday September 12, 2025

Time: 9:00 am – 3:00 pm

Location: USF Marshal Student Center (MSC) – Room TBD

IEEE Florida West Coast Section (FWCS) Power & Energy Society/Industry Applications Society (PES/IAS) is partnering with the USF PES Student Chapter to host an Interview Skills Workshop. This event is designed to help engineering students develop strong interview skills through expert insights, interactive presentations, and mock interviews.

We are seeking industry volunteers to support this event in the following roles:

Presenters: Deliver a brief session (30 minutes) on interview strategies, such as behavioral questions, resume tips, STAR Method, technical question preparation, real-life experience, nonverbal communication, virtual interview best practices, or post-interview follow-ups – looking for multiple presenters on different topics

Mock Interviewers (45 minutes, per interview): Conduct one-on-one mock interviews, providing students with valuable feedback – preferably hiring managers

This is a great opportunity to mentor the next generation of engineers, network with peers, and contribute to workforce development. If you are interested in participating, please contact one of the following IEEE FWCS PES/IAS Members by **Tuesday July 1, 2025**:

Kayla Allemang, kallemang@ieee.org

Ron Ambrosio, ron.ambrosio@ieee.org

Regan Sink, rjsink@ieee.org

Sohila Teama, sohila_teama@selinc.com

Thanh Le, TNLe@tecoenergy.com

Thank you for supporting future engineering professionals,

we appreciate your involvement!



NFPA 70E Compliance Series, Session 2: Basic Understanding of Hazard Warning Labels

Session 1: Date: Friday, August 15, 2025

Session 2: Date: Friday, September 26, 2025

Session 3: Date: Friday, October 24, 2025

Time: 12:00 pm - 1:00 pm (EST/EDT)

Time: 12:00 pm – 1:00 pm (EST/EDT)

Time: 12:00 pm – 1:00 PM (EST/EDT)

Speaker: AJ Khazami & Steve Antman, Sigma C Power Services GM & Application Engineer

Location: Virtual: Google Meet – Link to be sent to registrants prior to event

Cost: Free

CEH Credits: One (1) CEH Each

RSVP: Online at: <https://events.vtools.ieee.org/m/488903>

Questions: Steve Antman - steveantman@ieee.org

Abstract This training is geared towards anyone who is occasionally exposed to electrical hazards as well as employees that are working with electrical daily. This will be a three part series that builds from exposure to qualified workers. This class includes Look-out / Tagout (LOTO) Protocols, work permits, and one-line diagrams.

Session 1 (Exposure, All) – Friday August 15, 2025

- OSHA & NFPA 70E – Requirements for compliance and awareness of electrical workers
- Accident statistics and safety programs
- The “Qualified” person and their role in electrical work
- Hazard identification, and understanding of countermeasures
- Shock protection boundaries and the hazards of electrical shock
- Arc flash hazards to personnel and equipment

Session 2 - Friday, September 26, 2025

Basic understanding of hazard warning labels (Moderate Hazard Exposure & Qualified Workers)

- NFPA 70E’s hierarchy of controls and the effectiveness of deployed countermeasures
- Case studies in electrical hazards and their impact on personnel
- Understanding PPE systems and their correct usage

Session 3 - Date Friday, October 24, 2025

Simple lockout/tagout procedures and system diagram reading (Qualified Workers)

- In depth PPE usage and equipment handling
- Complex lockout/tagout procedures and establishing lockout points
- Verifying as de-energized and creating equipotential zones
- Energized electrical work and energized work permitting
- Task based qualification and safety countermeasures
- Establishing electrically safe work conditions, Special conditions & additional potential safety concerns

Continued on Page 6

*NFPA 70E Compliance - Cont'd from page 5***BIOGRAPHIES:**

Steve Antman is an experienced Account Manager at Sigma C Power Services, bringing in over three decades of expertise in commercial and industrial power applications. His career began in the U.S. Army as a Signal soldier, supporting 82nd Airborne communications

After earning a Bachelor of Science in Computer Engineering from the University of South Florida, he transitioned into application engineering. Throughout his career, Steve has specialized in low and medium voltage upgrades, maintenance strategies, Arc Flash assessments, and breaker repair & replacement services.

He works closely with clients to address switchgear needs, develop upgrade paths, and explore life extension alternatives. His knowledge spans NFPA 70E/70B, NEC, OSHA compliance, and predictive maintenance, helping organizations optimize their maintenance plans and integrate advanced test equipment strategies for improved reliability and safety.

AJ Khazami is the General Manager of Sigma C Power Services' Florida Regional Operations, bringing over 25 years of experience in sales, service, and project management within the power industry.

A seasoned organizational leader, AJ has a strong background in client management, utility sales, and the execution of complex, multimillion-dollar projects. Prior to joining Sigma C, he held leadership roles including Proposal Manager, Account Executive, and Executive Director at several field service and engineering firms.

AJ studied Management Information Systems at Hillsborough Community College and the University of South Florida. He has been married for 21 years and is a father of two.



TECO is Growing! As our Tampa service area becomes larger and more complex, our employees are benefiting from new adventures and advanced technology.

We are currently hiring an **Asset Management Engineer** in our Apollo Beach location to ensure safe, efficient, and reliable power generation and delivery to our expanding network. This role will lead reliability teams and capital projects while improving performance using the latest technology and standards.

Apply Today! jobs.tecoenergy.com or Email: Scott Sestak - ssestak2@tecoenergy.com



Florida Laws & Rules and Ethics for Professional Engineers

Date: Friday, November 14, 2025

Time: 10:00AM – 12:00PM (noon)

Speaker: Mr. Art Nordlinger, PE,

IEEE Representative to the Florida Board of Professional Engineers

Location: These seminars will be presented virtually

Cost: \$30 IEEE Members / \$60 Non-Members / \$10 IEEE Student Members

CEH Credits: One (1) Rules & Laws CEH will be awarded; and

One (1) Ethics CEH will be awarded, which will meet the current requirements for PE Renewals.

Be sure to enter your name and PE number on the signup website as it appears on your license.

IEEE Florida Provider Number is 0003849.

RSVP: Online at: <https://events.vtools.ieee.org/m/496020>

Questions: Art Nordlinger: a.nordlinger@ieee.org or Regan Sink: rjsink@ieee.org

Abstract:

The Rules and Laws That Govern the Practice of Engineering in Florida. This course is at a basic to intermediate level.

- ◆ " Florida Statute 471 – Engineering
- ◆ " FBPE and FEMC
- ◆ " Florida Administrative Code
- ◆ " Updates from NCEES and FBPE

Ethics and the Practice of Engineering in Florida. This course is at a basic to intermediate level.

- ◆ " Basic Engineering Ethics Precepts
- ◆ " Florida Administrative Code 61G15
- ◆ " Recent Cases and Examples

Art Nordlinger, PE, retired after a rewarding career in the electric utility industry, was most recently the Manager of Transmission Tariff and Contracts at Tampa Electric Company.

Art earned a Bachelor of Science degree in Electrical Engineering from Northwestern University in 1979 and his Master of Engineering degree in Electric Power Engineering in 1988 from Rensselaer Polytechnic Institute.

Art is a Life Senior Member of IEEE, Past Chair of the Florida Engineers Management Corporation (FEMC), and a registered PE in the State of Florida

SAVE THE DATE FWCS End of Year Gala Banquet

When: Saturday, October 25, 2025

@ 5:00 PM – 10:00 PM

Where: St. Petersburg Yacht Club

11 Central Ave.,

St. Petersburg, FL 33701

Contact: Hermann Amaya,

hermann.amaya.us@ieee.org

Register Here:

<https://events.vtools.ieee.org/m/488122>

Celebration of FWCS

Speakers, Recognitions & Awards

**Opportunity to Network with
IEEE Members**

**Connect with Student Branch
and Young Professionals**

Amazing Yacht Club Dinner

<https://r3.ieee.org/fwc/banquet/>



Year 2025 - Florida West Coast Section - Upcoming Events Summary

A*

Date / Time	Organization Contact	Description email Registration / Website	V or P or V & P
Tuesday, Aug 28	FWCS - CNAG	Machine Learning	P
5:00 pm - 8:00 pm	Hermann Amaya	hermann.amaya.us@ieee.org	
		https://events.vtools.ieee.org/m/488294	
Friday, Sep 12	FWCS - PES / CS	USF Interview Skills Workshop Planning Meeting	P
9:00 am - 3:00 pm	Kayla Allemang	kallemang@ieee.org	
	Ron Ambrosio	ron.ambrosio@ieee.org	
	Regan Sink	rjsink@ieee.org	
Friday, Sep 26	FWCS - PES/IAS	NFPA 70E Compliance Series	V
12:00 pm - 1:00pm	Steve Antman	stevenantman@ieee.org	
		https://events.vtools.ieee.org/m/488903	
Saturday, Sep 27	FWCS - PES/IAS	ExCom	V
7:30 am - 8:30 am	Kayla Allemang	kallemang@ieee.org	
		https://events.vtools.ieee.org/m/450357	
Friday, Nov 14	FWCS - PES/IAS	Florida Laws & Rules and Ethics for PEs	V
10:00 am - 12:00 pm	Regan Sink	rjsink@ieee.org	
		https://events.vtools.ieee.org/m/496020	
<i>*Attendance: V: Virtual --- P: In Person --- V & P: Virtual and In Person</i>			

SunCoast Signal Advertising Rates

Size	1 Month		6 Months		12 Months	
	Member	Non-Member	Member	Non-Member	Member	Non-Member
Business Cards	\$25	\$35	\$120	\$150	\$210	\$252
1/4 Page	\$40	\$52	\$190	\$380	\$335	\$402
1/2 Page	\$75	\$98	\$360	\$450	\$630	\$756
3/4 Page	\$110	\$143	\$530	\$663	\$925	\$1,110
Full Page	\$140	\$182	\$670	\$838	\$1,175	\$1,410
Insert / Sheet	\$200	\$260	\$800	\$1,000	\$2,000	\$2,400



*IEEE Florida West
Coast Section
(FWCS)
Tampa, Florida*

**IEEE FWCS
P. O. Box 176
Land O' Lakes,
FL 34639-9998**

September 2025 - Calendar of Events (For more information see "Inside the SunCoast Signal" → Page 1)

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
	Labor Day					
7	8	9	10	11	12	13
		*FWCS ExCom →Page 1			*FWCS PES/IAS Interview Skills →Page 4	
14	15	16	17	18	19	20
				*Signal Inputs Due End of Day	*Machine Learning →Page 4	
21	22	23	24	25	26	27
					*NFPA 70E Compliance Series 2 →Page 5	*FWCS PES/IAS ExCom →Page 9
28	29	30				

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