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Florida West Coast Section (FWCS)
Please Check the Website Often for UPCOMING EVENTS (Front Page Right Column)
<https://r3.ieee.org/fwc/>

The SunCoast Signal

The Institute of Electrical and Electronics Engineers, Inc.

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Next ExCom Meeting

Tuesday, June 7, 2022

Google Meet

Register with vTools

<https://events.vtools.ieee.org/m/311383>

PE Corner

**Art Nordlinger, PE, Senior Member
Legislative Update**

This column is excerpted from the FBPE Connection Newsletter:

<https://fbpe.org/meetings-info/publications/fbpe-newsletter-april-2022/>

The 2022 Florida Legislative Session ended on March 11 with one bill of interest to Professional Engineers being passed by both houses. HB 375, titled Structural Engineering Recognition Program for Professional Engineers, was enrolled on March 4, and is awaiting the governor's signature.

This legislation establishes a Structural Engineering Recognition Program for Professional Engineers and requires the Board of Professional Engineers to recognize licensed Professional Engineers who have passed specified examinations. Engineers who have met the requirements of the Recognition Program will be authorized to identify that recognition in their professional practice, as well as in marketing and advertising materials. It is important to note that recognition by the program is not required to practice structural engineering or use the title structural engineer.

The FBPE Rules Committee has already met to discuss preliminary rulemaking for this statute, 471.055, Florida Statutes, which if signed will go into effect on July 1, 2022.

Legislation that did not pass, and leaves the state's uneven condominium inspections laws in place, was HB 7069 and the associated Senate bill, titled Condominium and Cooperative Associations.

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The House and Senate proposals for inspections differed in various areas including when recertification is required for a condominium building and the frequency of inspections thereafter.

Proposals also differed on requirements for condominium associations to conduct reserve studies to ensure they have the resources to finance needed structural improvements, and their ability to waive a requirement that they put money in reserve to make structural improvements.

Because there are an estimated 2 million people living in more than 912,000 condominium units that are 30 years old or older in Florida, legislators hoped to encourage condominium associations to be intentional in repairs and stave off structural issues in the interest of public safety. Under current law in Florida, only Miami-Dade and Broward counties, and several cities, require regular structural inspections of condos. It is expected that this proposed legislation will return next year.

Whether you are a PE looking to attain required CEHs, or an engineer looking to learn something new or keep current with the latest trends in the profession, IEEE has seminars that will meet your needs. Sign up now!

Senior Member Roundup**Register:**

<https://events.vtools.ieee.org/m/311449>

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Artificial Intelligence (AI)-driven iDERMS solution for Utility Scale Renewable Power Plants Lunch & Learn

Date: Thursday, May 12, 2022
Time: 12:00 – 1:00pm (log-in to the seminar begins at 11:45)
Speaker: Girish Sekar, MS - Director of Implementation, Energy for Veritone Inc.
 Brian Buckley, PE - Manager of Unit Commitment, Tampa Electric Co.
Location: Webinar - Online
Cost: FREE
CEH Credits: No CEH's provided for this event. Florida provider #0003849.
RSVP: Online at: <https://events.vtools.ieee.org/m/305050>
Questions: Robert DeMelo - Robert.demelo@ieee.org

Distributed energy resources can deliver significant value to grid operators, consumers, and the environment, by improving grid reliability, resilience, and meeting decarbonization targets. However, this doesn't come without challenges.

This webinar will provide an overview of challenges and benefits of operating a utility scale renewable power plant, and the role an intelligent distributed energy resource management system (iDERMS) plays in it. Using real-life examples and results, you will learn how to plan, optimize, and control multiple DERs – solar and battery storage – to improve overall grid reliability and maximize your DER investments. We will also introduce Veritone's Artificial Intelligence (AI)-driven iDERMS solution and show how a renewable plant can benefit from the power of the AI.

Girish Sekar, MS is a Director of Implementation at Veritone. Girish has spent more than a decade working on smart grid and microgrid solutions for electric utilities around the world. At Veritone,

Girish leads customer implementation efforts and customer success. Prior to Veritone, Girish held various roles at OATI, building the industry standard DERMS platform being the highlight. Girish earned a B.S. in Electrical Engineering from VIT University and a M.S. in Electrical Engineering from Arizona State University. In his free time, Girish enjoys watching and playing soccer, both on the field and online.

Brian Buckley, PE is a Manager of Unit Commitment at Tampa Electric Company. Brian has spent more than a decade responsible for directing short-term resource scheduling and availability, fleet optimization, and unit commitment planning of generation assets. Currently Brian is responsible for NERC Compliance and has operated a Li-ion BESS for over two years. Brian earned a B.S. in Mechanical Engineering from Georgia Tech and is a Professional Engineer in the State of Florida. In his free time, Brian enjoys playing guitar and boating in Florida.

PES/IAS ExCom Meeting
Village Inn, 215 Dale Mabry Hwy, Tampa, FL 33609
Saturday, May 28, 8:00 am – 9:00 am



Of Blockchains, Crypto and NFTs: Essential Blockchain and Crypto Mechanics for Engineers

Date: Thursday, May 19
Time: 6:00 pm - 8:40 pm (EDT)
Speaker: Dr. Michael A. Ramalho
Location: Webinar - Online - Link will be provided
Cost: FREE
CEH Credits: No CEHs provided for this event
RSVP: Online at: <https://events.vtools.ieee.org/m/311682>
Questions: Dr. Michael A. Ramalho - mar42@cornell.edu

The next phase of the Internet, commonly referred to as Web3, aims to solve many of the problems of Web2 by moving data ownership and power to individuals and away from captive, closed platforms such as Instagram, Facebook, and popular e-commerce platforms.

Key in the Web3 transition are Decentralized Autonomous Organizations (DAOs) that are organizations represented by rules (ensconced in computer code) that are transparent, controlled by DAO members, and are **not** influenced/controlled by a central government. Individual cryptocurrencies and NFT marketplaces are examples of DAOs.

Blockchain technology - while it is not exclusively Web3 technology and it has many applications outside of Web3 - represents an essential component used in many Web3 advances.

Most introductory blockchain material for layperson audiences uses overly simplistic and often inaccurate explanations of blockchain technology, such as “solving a complex puzzle” or “mining” in the case of Bitcoin. Engineering practitioners need a deeper layer of understanding before they can fully appreciate and assess some of the finer points of the technology, thereby attaining “buy-in” of the widely pontificated benefits of crypto, blockchain, or Web3.

This talk aims to span this technology chasm by an engineering analysis of blockchain and essential technologies used in blockchain and common cryptocurrencies such as: consensus algorithms, ran-

dom number generators, and use of cryptographic hash functions (widely used within crypto). Attendees will learn specifically how Bitcoin blocks are “chained” and should appreciate the ESG-related differences between the so-called “proof-of-work” and “proof-of-stake” used in common crypto models.

The talk will conclude with personal predictions for crypto, NFTs, and Web3.

Michael A. Ramalho, Ph.D. is an IEEE Senior Member and a recipient of the 2021 IEEE Florida Council Outstanding Engineer Award. Dr. Ramalho has extensive experience as a director, lead/chief architect, and principal investigator in networking, media signal processing, unified communications, and acoustic spread-spectrum communication technologies.

He was especially active in Internet Telephony in the Web1 era during which time he ran an Internet Telephony research program at Telcordia Technologies, was co-chair of the Voice Over IP Forum, and was Chief Telephony Technologist at Voxware, Inc. during its IPO. He has worked for Bell Telephone Laboratories and for Cisco Systems. He holds a Ph.D. from Rutgers University and a M.Eng.E.E. from Cornell University. He holds over 50 patents and has authored many standards in the IETF, ITU-T, ETSI, ANSI Committee T1 and IMTC.

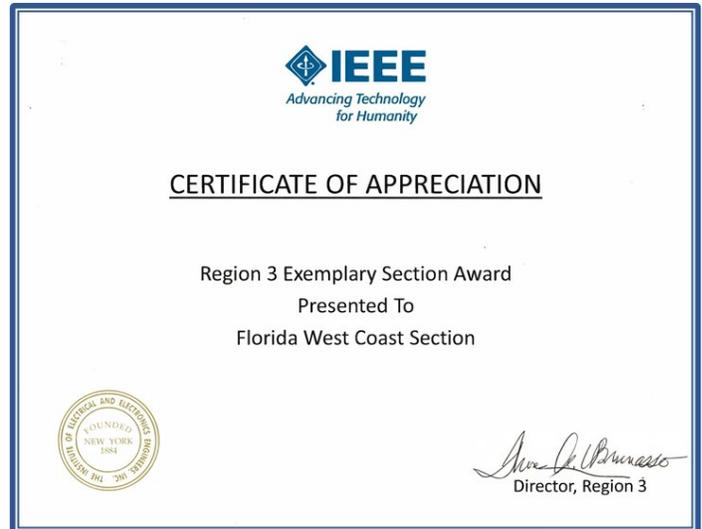
The annual IEEE Region 3 Southeastern Conference was held in Mobile, Alabama, 1-3 April.

The agenda included paper tracks, student robotics competition, and Region 3 business meetings. FWCS vice chair Andrew Seely and secretary Chung Seop Jeong attended, along with a platoon of USF students led by outgoing student branch chair Noah Hamilton.

During the Region 3 business meetings, our USF student branch was mentioned by name as being an example to follow and a regional leader in holding and reporting student branch events and meetings. It was noted that our student branch is the leader in quantity and correctness in event reporting. To continue this success in the new year, FWCS is hosting the Region 3 Area 3 chair, Raul Ortega, to conduct Vtools orientation training for new USF student officers at the June FWCS executive committee (EXCOM).

The successes and accomplishments of the FWCS Senior Member Elevation Committee (SMEC) were mentioned repeatedly throughout the Region 3 business meetings, highlighting the impact to the region made by our SMEC team led by Hermann Amaya. During the awards banquet, FWCS SMEC member John Grant was recognized for being one of the top three senior member nominators for the region, and FWCS was recognized with the Region 3 Exemplary Section Award.

Through the course of the Region 3 business meetings, multiple sources of project funding were discussed. During the April FWCS EXCOM the committee discussed some ideas for improving, en-



hancing, and growing the section. A volunteer is sought to lead this discussion and champion new project funding for 2022. Please contact FWCS chair Michael Mayor or vice chair Andrew Seely for more information.

The next Southeast Convention is scheduled for 13-16 April in Orlando, to be hosted by the Orlando section. Later in the year, 11-13 August 2023 will be the triannual Sections Congress, to be held in Ottawa, Canada.

Congratulations John and congratulations to the Florida West Coast Section for your regional recognition!

Andrew Seely (he/him)
andrew.seely@ieee.org

Vice Chair, R3 Florida West Coast Section
Secretary, IEEE Standards Working Group P1228
Region 3 Senior Membership Coordinator



Florida Laws and Rules and Ethics for Professional Engineers

- Date:** Thursday, July 28, 2022
Time: 10:00 am-noon
Cost: \$30 IEEE Members / \$50 Non-Members / \$20 IEEE Student Members
Speakers: Mr. Art Nordlinger, PE, IEEE Representative to the Florida Board of Professional Engineers
Presentations: The Rules and Laws That Govern the Practice of Engineering in Florida
 Ethics and the Practice of Engineering in Florida
CEHs: 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.
Location: This seminar will be presented virtually
Registration: Register at <https://events.vtools.ieee.org/m/310530>
Questions: Art Nordlinger: a.nordlinger@ieee.org or Robert DeMelo: Robert.demelo@ieee.org

The Laws and Rules 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, who recently 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 Senior Member of IEEE, Chair of the Florida Engineers Management Corporation (FEMC), and a registered PE in the state of Florida.



Women In Engineering International Network Connections (WINC) is a project started through collaboration IEEE Florida West Coast Section Women in Engineering (WIE) and Young Professionals (YP) multi-Regional outreach program.

The project was developed in efforts to engage professional women and young professionals through international connections, thus far making reaches to Pakistan, Dubai, Bangladesh, and Turkey. The program expands networking, provides professional and technical development, and raises awareness of IEEE and WIE/YP.

Using grassroots efforts, WINC collaborated with individual WIE/YP members in different sections of Pakistan starting from Islamabad Section, Dubai and now collaborating with Bangladesh and Turkey sections to develop relationships, webinars, and outreach to potential participants. This collaboration will keep on embarking its footsteps in other countries and regions of US. WINC collaborated with the IEEE WIE Chair of Islamabad Section Faiza and IEEE YP Chair Danial Zafar to organize professional development events. The team members from Islamabad Region are responsible to determine the industry and young professional needs to organize events in collaboration with WINC to organize events that helps industry professional as well as women engineers. WINC also collaborated with the IEEE WIE Chair of Dubai Section Bilqees, to organize virtual events that benefits the young professionals in Dubai as well as in the U.S.A.

WINC's first professional development event had 65 registrants and 25 participants from Florida West Coast Section U.S.A and Islamabad Section, Pakistan (IEEE Region 3, Region 10). WINC successfully organized another event with Region 10, Pakistan Section, on Growth Mindset, which was highly appreciated by the participants and they are looking forward to future professional development events.

WINC offers high-interest webinars led or coordinated by WIE/YP professionals, culminating with each participant becoming networked peers, potentially new WIE/YP members, and recipients of a certificate to recognize program completion and professional enrichment.

The project team has seen that providing Leadership and growth opportunities through professional development and technical topics has created a strong interest. Our past participation levels were usually five (5) people for WIE section events, but with the WINC online program, the participation has increased tremendously. These workshops address the skills needed for career growth while providing a live, interactive, and engaging program at a low cost for young engineering professionals who seek them, otherwise not readily available. These are skills our young engineers need. WINC aims to grow its engagement throughout various regions, not limited by any geographic boundaries by our ability to offer this via remote learning. The project has been expanding its reach internationally to students who need these skills to become more empowered and stronger leaders and Engineers. We expect to grow and engage with IEEE members and non-IEEE members, providing a solid value proposition to retain and grow membership and interest in IEEE worldwide.

WINC has opportunities in other countries as well as Pakistan (Region 10). We plan to continue to work with the university IEEE chapters in Islamabad (Region 10) and expand where interest has been expressed in Dubai (Region 8) and Colombia (Region 9). WINC plans to also make these workshops available to Regions 1-6 in the US and guests they want to invite.

There is current collaboration with the Dubai Section and Bangladesh Section (Region 10) to organize mutual events. The 2021 focus is on professional development and in 2022 to arrange for technical events. WINC offers professional and technical development and an opportunity to network with other IEEE members worldwide. With Region 3 PACE, WINC discussions have included ideas for reaching out to additional WIE/YP programs and IEEE Regions 1-6, engaging Region 3 WIE/YP and subscribing to the Region 3 Newsletter, and reaching out to IEEE for support, membership engagement, and local support to participants. Some actions may be planned for 2021, while others are 2022 targets.

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IEEE student members from University of South Florida and University of Nairobi forge partnership to host events, create opportunities, and build professional relationships

The IEEE Region 3 Florida West Coast Section (FWCS) student branch at the University of South Florida is building a historic collaboration with the University of Nairobi student branch of the Kenya Section in Region 8. Student leaders from both universities have been meeting remotely over recent months, with support of their respective section officers, to develop an agenda that will strengthen and broaden both student groups.

In April, the student branches and their sections jointly hosted a virtual event. University of Nairobi and University of South Florida were pleased to host students and members from across Region 3 and Region 8 for a presentation by Kathy Land, IEEE Past-President. In an event that demonstrated the impact of IEEE Women in Engineering, co-hosts Grace Perkins and Mukami Njeru will introduce Ms. Land, who discussed engineering careers and the power of IEEE on 22 April at 0800 Central Time, 0900 Eastern Time, 1600 East Africa Time.

In the new semester, after the April event, the student branches are planning for an international collaboration focused on the robotics teams of both schools. Early planning discussions include each team developing controller software that can be shipped to the other team's hardware for execution.

A Discord server has been set up for this collaboration, which also includes students from the University of Cape Town student branch in the South Africa Section.

This student collaboration has broad impacts beyond just the jointly hosted speaking event. Kenya Section members recently participated in the Region 3 Senior Member Roundup, including one Kenya Section member who was successfully nominated and referenced by the Region 3 Senior Member Elevation Committee, and there are early discussions about potential summer visits to Tampa by University of Nairobi students.

For more information about this collaboration, please contact:

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For the first event, WINC invited IEEE members and non-members from Pakistan and Florida West Coast Section. Initially conceived in October 2020, WINC held its first event on January 23, 2021. The event was Florida West Coast Section's most successful WIE event to date and a great way to kick off WINC! The workshop was a professional development workshop on "Developing your Professional Brand." It was a joint event with IEEE Young Professionals and the IEEE Islamabad sections. The event speaker was Dr. Carrie Root from Alpha UMi Inc.

The highly interactive workshop leveraged technology—having participants reach out to friends and family, requesting feedback on how they were seen. They Googled themselves to see what the inter-

net had to say, and polling was used to know the composition of the participants. Participants connected with each other; this was fascinating to see how people from different regions collaborated together.

After the success of the first event, WINC was eager to organize the second event on "Growth Mindset" also delivered Dr. Carrie Root. This webinar focused on how attendees could develop a winning mindset and work on intentional thought patterns to gain advantage in the workplace, among many other topics.

WINC has schedule three more workshops in the professional development series including Emotional Intelligence (August 21, 2021), Preparing for Difficult Conversations (September 25, 2021), and Avoiding Burnout (October 23, 2021).

Insights on Leadership in Engineering

**An Interview with Dr. Paul Ahrens, IEEE Life Senior Member and Senior Systems Engineer
by Edd Jeune, IEEE student member and third-year Cybersecurity student at the
University of South Florida**

The IEEE Region 3 Florida West Coast Section (FWCS) collaboration between the Senior Member Elevation Committee and the USF student branch is a program that brings student engineers to interview and subsequently write about the lives and accomplishments of valued FWCS's newest Senior Members. Through IEEE R3 FWCS, I (Edd Jeune, Junior at USF) was given the opportunity to speak with the IEEE Life Senior Member, Dr. Paul Ahrens, and gain a crucial understanding of his character, his time in the industry, and his sage advice.

The interview had started about five minutes early, so I took the time to understand Dr. Ahrens' current living situation. Currently, Dr. Ahrens is a retired man, who enjoys golf in his free time. After this chat, we got into Dr. Ahrens' backstory; where he came from and how he got to where he is now. Dr. Ahrens' reminisced about how his father had recommended him to be a lawyer, but he had gotten a hold of his older brother's electronics and engineering textbooks and his interest had taken off from there.

We had then moved on to Dr. Ahrens' education. Dr. Ahrens is an experienced and intelligent individual, as highlighted by his extensive education. Graduating from Polytechnic Institute of Brooklyn with a Bachelor's in Electrical Engineering in 1963, Dr. Ahrens proceeds to go even further by acquiring his Master's in Electrical Engineering from Polytechnic in 1965. From there, Dr. Ahrens went on to acquire his Master's in Business Administration in 1979, his Master's in Computer Science from Rensselaer Polytechnic Institute in 1987, and his Doctor of Science in Management Systems in 1993 from the University of New Haven.

While Dr. Ahrens had been pursuing this extensive education, he had also been contributing to his field of data communications. Dr. Ahrens had started out at a company in Long Island after receiving his degree from Polytechnic, and he worked at a multitude of companies in the data communications industry until 1977. In 1977 Dr. Ahrens made an unexpected career choice and worked for a game company named Milton Bradley, which was looking to get into electronics.

One thing that I had noticed while going over Dr. Ahrens' resume is that he held many leadership positions, such as Technical Manager at Lucent Technologies from 1997 to 2002 and Engineering Manager at General DataComm from 1985 to 1997. As someone who seeks to improve his leadership skills, I saw Dr. Ahrens as a figure who could offer me a lens on that type of role. This prompted me to ask Dr. Ahrens if he had found any difficulty when it came to leading a team throughout his career. He said that there were some challenges, but overall, he enjoyed leading teams of engineers.

This brought me to my next question where I asked Dr. Ahrens what he thought was his greatest accomplishments and due to such an extensive and lucrative career. Dr. Ahrens would rightfully have difficulty choosing what he deems to be his greatest accomplishment. However, he spoke about his work at Milton Bradley involving the creation of a voice synthesis and recognition chip used in games. Dr. Ahrens looks back at this fondly due to being one of the first electronics employees hired and he had been given a team to lead to develop amazing technology for the time, like defining a video interface chip with "sprites" with Texas Instruments which became the TMS9918 as well as developing the speech recognition and voice synthesis chip. This two-way voice chip had been one of the earliest forms of this technology and it's understandable as to why Dr. Ahrens would look at this as one of his greatest accomplishments.

I wanted to know about Dr. Ahrens' relationship with the IEEE and how it had encouraged and enabled his career, and he told me how he had been a student member of the Institute of Radio Engineers in college in 1962, as there had been no IEEE then. From there I was given the history of the IEEE's formation which came to be in 1963 due to the merging of the Institute of Radio Engineers and the American Institute of Electrical Engineers. Dr. Ahrens then spoke about how the IEEE has been a helpful part of his career due to the abundance of documentation and resources provided to him.

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SO YOU ARE NOT A SENIOR MEMBER YET? Hermann Amaya April 2022

Greetings to all Members and welcome to the 2022 year of Senior Member Elevations for the Florida West Coast Section, Senior Member Elevation Committee (FWCS-SMEC).

We have held two Senior Member Interviews (one on March 19th and the other one on April 9th) for the month of April leading to the Admissions and Advancement Committee Review Panel of April 23rd 2022 which were submitted for evaluation by the A&A Committee and I am very pleased to inform you that we will be elevating 46 candidates to the rank of Senior Member on the April 23rd Review Panel. We will follow the Admissions & Advancement Committee Schedule for this year as indicated below. In these interviews we had the participation of Senior Member Candidates ranging from Region 3 Life Members, Florida West Coast members and other R3 sections, including one candidate from Nairobi, Kenya in Region 8.

It is very important to mention that we had the participation again of the Piedmont Section with the presence of Clemson University who became interested in our Senior Member Elevation Program and wanted to have some of their members elevated to the rank by making use of our program. So, we provided training in advance to the actual Interviews and showed them how to conduct these meetings and carry forward the elevation process for them to become independent and perform their Senior Member Elevations. If your Section is interested in setting up their own Senior Member Elevation Program, they may contact me, and we will discuss the way we could be of help to do this.

We are now preparing for the next session of the Interview meetings to take place on May 14th, 2022, leading to the A&A Review Panel of June 23rd, 2022. I will be send out the Eligibility Notifications letting those Members who are eligible to advance to the rank of Senior Member that they must get their resume ready in accordance to the established format and send it to me right away so I can schedule you for the Interview Meeting and initiate their Nomination, a process where the Senior Member Elevation Committee of FWCS will ease the difficulty of advancement by providing a Nominator and two additional Reference Providers for each can-

didate. So, if you receive this Notification letter, please respond keeping in mind that this is an honor that you have earned through your service to your profession and you should accept it. I will clarify that this honor in no way will change your IEEE dues and no money will have to be paid to attain it. Please **do not to fill out** an IEEE Nomination application online, but do submit your dully formatted resume as indicated in your Eligibility Letter and participate in a scheduled 30-minute interview with your reference providers.

It is important to clarify the following issue that we have been coming across. Many of you have been loyal members of IEEE which has brought you to achieve Life Member status and somehow some Members believed that this has also made them a Senior Member. This is far from the truth, because to be a Senior Member of IEEE you must go through the Elevation process and once you are certified as such you will be know as a Life Senior Member, which is what the Senior Member Elevation Committee will do for you. You must also know that if you retired from your activities as Engineer this is not an impediment for you to advance to the rank as this is an honor you have earned through your service to your profession and to IEEE.

The Admissions and Advancement Committee Review Panel meets only six times a year and they have already issued their schedule for 2022, thus the A&A Review Panel will meet on February 19th, April 23rd, June 25th, August 13th, October 1st and November 19th to review the applications of all IEEE Candidates that request advancement and I hope yours will be there. The Senior member Candidate Interviews will be programmed based on these dates and will be announced to the candidates for their participation.

We wish to extend our appreciation to the Senior Member Nominators for their contributions to the Elevation Process. To the Senior Member Reference Providers Team goes our recognition and thanks for without their support our program could not serve the members the way it has done it to this date.

I am very pleased to announce that all 46 new Senior Members candidates submitted for Nomination, were elevated at the A&A Review Panel of April 23rd, 2022. And here are their names:

Continued on Page 11

Senior Member Interview - Continued from Page 9

One question I had asked Dr. Ahrens was “What advice would you give to any up-and-comers like myself?”, and he exclaimed “Cybersecurity!” Dr. Ahrens has an amazing sense of humor and while that moment was one of many where it showed, he began to make points as to why Cybersecurity will be one of the many important futures of engineering.

When I had asked Dr. Ahrens if he had any regrets or if he had made many mistakes in his career, I was met with a confident “No.” Dr. Ahrens explained to me that his education and his career had been a long, arduous journey that granted him the experiences that he has today, and while there may have been times where he may have thought of going down a

different path (going into cybersecurity instead of data networking), he never regrets the choices he made. This was a very profound moment in the interview, because I had learned that the choices you make throughout your career, whether they seem good or bad, are just moments that shape you into the person you become, and that’s what matters in the long run.

We had finally reached the end of the interview at this point. I thanked Dr. Ahrens for the opportunity to speak with him, and I thanked him for such an insightful view of the industry. I left this interview with a greater understanding of the industry and Dr. Ahrens’ character. I thank the IEEE R3 FWCS for getting me in contact with Dr. Ahrens and giving me this opportunity.

So You Are Not a Senior Member Yet - Continued from Page 10

First Name	Last Name	First Name	Last Name	First Name	Last Name
Stanley	Ahalt	Keith	Hall	David	Priester
Gutierrez	Alberto	Walter	Harwell	Biroon	Roghieh Abdollah
Willard	Bucklen	Don	Haselwood	Dorothy	Schnabel
John	Calhoun	Wiley	Hughes	Suhas	Screehari
David	Church	Hany	Kamil	Greg	Simco
Don	Coker	Paul	Lefave	Ravikiran "Joseph"	Singapogu
Stanley	Curtis	Paul	Macharia	Thomas	Slack
Tapas	Das	Anthony	Martin	William	Stape
Masood	Ejaz	Jerry	McCullough	Andrew	Sung
Albert	Esterline	Julia	McIntyre	Sami	Syed
Arthur	Feinberg	Gokhan	Ozkan	Karen	Vallar
John	Geist	Eduardo	Palma	Martin	Wilcox
John	Glass	Ramviyas Nattanmai	Parasuraman	Edward	Wirth
Joe	Grabowski	Daniel	Paulish	Nan	Zhang
Richard	Groff	Katina	Polinpapilinho		
Tina M.	Haley	David	Preves		

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May 2022 - 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	7
		*ExCom →Page 1				
8	9	10	11	12	13	14
	*Signal Inputs Due End of Day			*AI Driven iDERM →Page 3		*Senior Member Roundup →Page 2
15	16	17	18	19	20	21
				*Of Blockchains →Page 4		
22	23	24	25	26	27	28
						*PES/IAS ExCom →Page 3
29	30	31				