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The SunCoast Signal

The Institute of Electrical and Electronics Engineers, Inc.

Vol. 67, No., 2, February 2021

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UPCOMING MEETINGS

EXCOM

Tuesday, February 2nd, 2021

Google Meet

Register with vTools

<https://events.vtools.ieee.org/m/254874>

IN MEMORIAM

Paul Schnitzler

July 20, 1936 - December 22, 2020



Paul Schnitzler was born in Brooklyn, New York to Jack Schnitzler and Mildred Schnitzler on July 20, 1936. He married Carol Schnitzler on January 18, 1959. They first lived in New Brunswick, NJ but spent most of their years together in Kendall Park, NJ where they raised three children – Ray, Robin and David. Their marriage ended in divorce in 1985.

He had been with Sandra Miniere since 1986; they were married on December 2, 2001 in California. Together, they lived in North Brunswick, NJ, Fremont, CA and then – for the past 15 years - made their home in Wesley Chapel, FL.

Community was always important to Paul. For over 50 years, Paul was part of an ongoing men's group that traversed the lives of the group of men from fathers of school-aged children to grandfather-hood and beyond. Started in the Princeton, NJ area, over the years these men supported each other through the many changes in their lives. Paul cherished this special group of men who "had his back," undoubtedly knew his shortcomings, and loved him all the more. For many years, Paul also found community in summer stock, where he loved to be on stage, singing in musicals under the stars. More recently, Paul created a cousins club where cherished family members spent valuable time re-connecting.

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THE SUNCOAST SIGNAL is published monthly by the Florida West Coast Section (FWCS) of the Institute of Electrical and Electronics Engineers, Inc. (IEEE). THE SUNCOAST SIGNAL is sent each month to members of the IEEE on Florida's West Coast Section. Annual subscription is included in the IEEE membership dues.
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All material for THE SUNCOAST SIGNAL is due in electronic form by 1st Friday after the 1st Tuesday of the month preceding the issue month.
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IN MEMORIAM**Paul Schnitzler***Continued from Page 1*

For fourteen years, as an instructor at the University of South Florida, Paul taught engineers to become leaders in the Master of Engineering Management program within the Industrial and Management Systems Engineering Department. During his tenure he created popular, innovative courses which connected creativity, change, engineering, and leadership. His passion was to teacher leaders to manage organization change successfully. He left a legacy in his 2015 book, *Lead Change Without Fear* – using the YES I AM Solution. His retirement in May 2019 was bittersweet because in this role he found his calling as an engineer, leader, teacher, actor, guide and colleague.

He graduated from Brooklyn Technical High School in 1954 and received his BSEE, MSEE and PhD in electrical engineering from the Polytechnic Institute of New York University. In his engineering and management career, he worked for RCA Laboratories, Bell Laboratories, Time, Inc., Cadence Design Systems, Coastcom and ZMedia. One of his achievements led to the now ubiquitous use of fiber optics for undersea communications. Another was the creation of the first broadcast-quality CCD video camera which won a television Emmy! Paul's first startup endeavor was building software to facilitate creativity in problem solving. His dedication to making a positive difference at every company means large and small companies have benefitted from his work.

He holds six granted patents, is widely published and has received many prestigious awards throughout his career: the IEEE Region 3 2009 Joseph M. Biedenbach Outstanding Engineering Educator Award; the IEEE Florida Council 2008 Outstanding Engineering Educator; the 2019 IEEE Florida Council Outstanding Engineering Educator Award; and the 2016 Florida West Coast Section IEEE Engineer of the Year Award, to name a few. He was a long term member of the IEEE professional organization and NYU Glee Club alumni association.

Paul will be remembered as being kind, thoughtful, inspiring, gentle, happy, passionate, warm, and creative. His love of music, solving a good puzzle, telling puns, and sailing carry on in his children and grandchildren.

To send the family condolences go to Blount & Curry Funeral Home - Carolwood,

www.dignitymemorial.com/obituaries

PE Corner

Art Nordlinger, PE, Senior Member

FBPE Update

The biennial license renewal deadline is upon us. Don't be "that person" that waits until the last minute to renew. It only takes a few minutes, so if you haven't yet renewed, do it today. Hopefully you've completed all of your continuing education hours by now. But if you haven't, you can still renew today just so long as you complete all of the required hours prior to February 28.

The illness and numerous deaths over the last ten months, and the current vaccine distribution challenges, are undoubtedly a very dark time in our history. I hope that all of you and your families are weathering it well. However, there have been a few rays of sunshine during the pandemic. Working remotely has given all of us a different perspective in many areas, including how we perform our work and set our priorities. The activities of the Florida Board of Professional Engineers and its office operations are no exception.

Due to the ongoing COVID-19 pandemic and "Safer at Home" guidelines, the FBPE staff are continuing to primarily work remotely. I'm happy to report that all activities appear to be continuing without any significant interruption, including the current renewal of all licenses. Much credit must be given to the Board's Executive Director, Zana Raybon, and all of her staff for their hard work. They quickly developed a plan to deal with the challenges of working remotely, executed that plan flawlessly, and have adjusted as needed. If you need to contact the Board's offices, email is generally the preferred method, as there may be delays in returning phone calls. Additional information may be found on the Board's website: <https://fbpe.org/>

A significant change for Board activities is that at least for now, all meetings are being held virtually where most were previously only in-person. This presents a unique opportunity to attend a Board meeting without having to travel; you can attend from the comfort of your own computer. Board meetings have always been open to the public and that has not changed

. The calendar for all meetings, including meetings of the Florida Engineers Management Corporation (FEMC) and various standing and ad hoc committees, is on the Board's website.

I would note that some meetings have a limited agenda, such as reviewing applications, or disciplinary hearings for example. If you would like to attend a meeting, you will need to contact the Board office to register. The office can also tell you what is on the agenda for each meeting so you can attend one(s) matching your interest.

Whether you are a PE looking to attain required CEHs, or an engineer looking to learn something new or keep current with the latest trend in the profession, IEEE has seminars that will meet your needs. And if you haven't completed your required continuing education for the 2021 PE renewal, no time to waste!

You only have until February 28!



Arc Flash - Updates and Training on NFPA 70E-2021 Electrical Safety in the Workplace

- Date:** Friday, February 12, 2021
- Time:** Google Meeting Seminar: 8:00AM – 4:30PM
- Speaker:** John Leedy, P.E., President, Engineered Electric Services, LLC (EES)
- Location:** Over-the-web. Google Meet
- Cost:** \$250 Members, \$300 Non-Members (Non-Members interested will receive a membership in IEEE) , \$100 Students. Includes seminar text:
“NFPA 70E – 2021, Standard for Electrical Safety in the Workplace” (a \$50 value)
- CEH Credits:** Eight (8) professional development hours will be awarded. Be sure to enter your name and PE number on the signup website as it appears on your license. Florida exempt provider #00015.
- RSVP:** Online at: <https://events.vtools.ieee.org/m/247106>
- Questions:** Steve Antman at (813) 460-5434, or steveantman@ieee.org



A \$79 Value

Your local IEEE PES/IAS Chapter is offering this 8-hour training on Electrical Safety in the Workplace by John Leedy, president of Engineered Electric Services.

This training session will be devoted to the subject of Electrical Safety in the workplace. Topics such as “how does electrical safety and the NFPA-70E apply to the workplace” and “what is required to be compliant with the standards” will be covered. A copy of the standard, NFPA-70E-2021 Standard for Electrical Safety in the Workplace is included in the training costs.

John Leedy graduated from University of Florida in 1982 with a Bachelor of Science in Electrical Engineering with an emphasis in Power Delivery. John worked for Dillard Smith Construction as a protective relay technician. He joined General Electric as a Field Engineer, specializing in Power Substations and DC Electronic Drive Systems in Paper Mills as well as Project Management of Paper Machine Drive System retrofits and substation construction. John left GE to join the family business, Leedy Electric Corp, in 1987. He earned his Professional Registered Electrical Engineering certification for the State of Florida, Georgia and Texas and his Masters in Engineering Management from the University of South Florida in 2002

Along with several other career related certifications earned since being with Engineered Electric Services, (formerly Leedy Electric Corp)., he earned his Certified Power Quality Professional certification and has been working with NFPA 70E regulation since 2002, performing site Arc Flash Hazard Analysis and training management and employees on the standard. EES is located in Mulberry Florida, and has been in business since 1975, specializing in Engineering and Electrical Service for the commercial, manufacturing and industrial industries.

Google Page Rank and Beyond

The Science of Search Engine Rankings

Date: Thursday, March 11, 2021

Time: 6:00 PM – 7:30 PM

Speaker: Michael A. Mayor, MSE, PE

Location: Google Meet

Link will be provided to Registrants the day before the meeting

Cost: There is no cost for this meeting

Registration: <https://events.vtools.ieee.org/m/255668>

Questions: Michael Mayor; 484-524-3264 michael.mayor@ieee.org

Abstract: This presentation covers the science of search engine rankings developed by Google. This is a multinational, publicly traded, company very well known in the Internet, built around the hugely successful search engine. In fact, the search engine and particularly the mathematics behind it, is one of the reasons of Google's huge success in the Internet arena. Search Engines have become an integral part of handling Big Data where searches must be conducted, preferably in seconds, over millions of entries. This talk addresses first a brief history of Information Retrieval and the early search engines, like Boolean, Vector Space, Probabilistic and Meta Search Engines and subsequently goes into an in depth explanation of the search process. The lecture continues with an explanation of the Page Ranking method and the Mathematics of Google's PageRank. Finally, I present an overview of the massive Computer Hardware, i.e. server farms, which make possible a practical, real-time, implementation of the PageRank algorithms. Cleve Moler, the founder of Matlab, wrote an article for his October 2002 Newsletter *Matlab News* that cited PageRank as "*The World's Largest Matrix Computation.*" Then Google was applying the power method to a sparse matrix of order 2.7 billion. Now it is up to 8.1 billion.

Biography: Michael A. Mayor, MSE, PE is a Consulting Scientist providing services in the areas of Information Management Systems, Secure Telecommunications, Precision Geolocation, Digital Instrumentation and RF Propagation Modeling and Analysis. Formerly, he was Vice President / Chief Scientist, Advanced Technology Research, in the Aerospace/Communications Division of ITT Defense Electronics. In this capacity, he conducted Research and Directed the Development and Deployment of a wide range of Mobile Secure Wireless Communications and Emitter Geolocation Systems and their components. These included: Radio Frequency Transceivers, Software Defined and Cognitive Radio Systems, Digital Receivers and Digital Signal Processing algorithms. These activities extended to the application of Digital Instrumentation to System Test and Validation. He authored six patents in Spread Spectrum Communications and Digital Instrumentation. He received the ITT Defense & Electronics Engineered for Life Award, for his technical contributions in Communications and Microelectronics.

He is a Life Senior Member of the IEEE and an active member of the Florida West Coast Section, where he holds the positions of Vice Chair of the joint Chapter CS/AESS and Editor of the monthly publication the SunCoast Signal. He is a Licensed Professional Engineer in the State of Virginia and holds a Master of Science in Engineering (MSE) in Systems Engineering (Communications and Signal Processing) from the School of Engineering and Applied Science, University of Pennsylvania.

National Engineers Week (U.S.)

In the United States **National Engineers Week** is always the week in February which encompasses George Washington's actual birthday, February 22. It is observed by more than 70 engineering, education, and cultural societies, and more than 50 Corporations and Government Agencies. The purpose of National Engineers Week is to call attention to the contributions to society that engineers make. It is also a time for engineers to emphasize the importance of learning math, science, and technical skills.

The celebration of National Engineers Week was started in 1951 by the National Society of Professional Engineers (nspe.org) in conjunction with President George Washington's birthday. President Washington is considered as the nation's first engineer, notably for his survey work.

Prior to the start of National Engineers Week, the University of Missouri College of Engineering began celebrating the world's first Engineers' Week in 1903, 48 years before the National Society of Professional Engineers, with St. Patrick as the patron Saint of engineers.

The results of the Federal Engineer of the Year Award are announced during the week.

computer**mentors**

Website Link: <https://computermentors.org/>

Happy holidays from your friends at Computer Mentors!

This season while our hearts and minds are filled with hope for the future by Covid-19 vaccine news, we are braced for future difficulties. With our last 2020 classes in the rear-view, our attention has turned to familiarizing our staff with the curriculum changes coming in 2021. Headed into the new year, we plan on providing our exceptional classes as an online resource for many more new students. In an effort to maximize re-enrollment, we have also reached out to many current and former students about the benefits of participating in 2021. Computer Mentors is placing the finishing touches on our preparations for January, and our programs have continued to improve. Next year, resolve to bolster your child's education and teach them to code by enrolling them in a free online program with Computer Mentors!

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Insert / Sheet	\$200	\$260	\$800	\$1,000	\$2,000	\$2,400



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February 2021 Calendar of Events <i>(For more information see Page 1 in this Signal)</i>						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
		*EXCOM Google Meet			*Signal Inputs Due	
7	8	9	10	11	12	13
					*NFPA 70E- 2021...	
14	15	16	17	18	19	20
21	22	23	24	25	26	27
				*Google Page Rank...		
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