



SPARKS

Daytona Section Newsletter
November 2018



2018 Outstanding Section Membership
Recruitment and Retention Performance
Daytona Section

NOVEMBER SECTION MEETING

Thursday November 29th at the Halifax River Yacht Club, 6:00 PM
331 South Beach Street, Daytona Beach, Florida 32114

PRESENTATION- IEEE-USA and Public Policy

CHAIR'S REPORT



Happy November and wishing everyone well on the beginning of the holiday season. Please remember that we are filling out and voting on the slate of Section officers for 2019. If you are interested in serving as an officer, please contact myself or the newsletter editor, Al Jusko, as soon as possible. We will elect the new officers at the November Section meeting.

We've had a busy year with some very interesting speakers at the Section meetings, a lot of activity from our ERAU and BCU student groups, and a number of events held by the section affiliate groups. In addition, the section has met the recruiting goals for the year.

The ERAU student branch participated in October's IEEEExtreme 24-hour programming competition. The final results are not in yet, but it appears that the team did very well. We are expecting to be one of the top 50 teams from the US, and be placed in the top 10% worldwide.

This is my last Chair's column and I want to thank all of the more experienced members who helped clear up any policy confusions, and the volunteers who actually make everything happen. Volunteers make the IEEE, and I recommend to all of our members to find a way to volunteer to promote the IEEE and engineering. It is a rewarding experience. It has been rewarding and an honor to serve as your Chair.

Keith

OCTOBER'S PRESENTATION



Justin Yapp and Josh Gordon from the ERAU White Hat Eagles Cybersecurity Club with Rich Kent Section Vice Chair

NOVEMBER PROGRAM

Web Cast: "IEEE-USA and Public Policy"

This presentation will be a Web Cast discussing the current activities of the IEEE-USA in Government Relations and our Public Policy. The web cast will include a discussion session where Members can voice their opinions and find out how they can become involved at the National, State and local level.

OUR SPEAKER



Lee Stogner, PMP, Chair, Region 3 IEEE Government Relations Committee Member, IEEE Internet of Things Committee, Past Region 3 Director, IEEE Board of Directors, President, Vincula Group.

Lee serves in Executive Positions in several corporations that drive improved business performance using technologies that include Business Innovation, Digital Transformation, Project Management, Internet of Things and Artificial Intelligence. Lee has over 35 years of design, consulting, project management and business development experience across a range of industries. Lee has driven growth at companies that include Digital Equipment, Fluor Corporation, Rockwell International and Liquidax Capital. Customers around the world have benefited from Lee's expertise and leadership.

Throughout his working career, Lee has been active in both local and international professional activities. Lee is the Chair of the Carolinas' Engineering Cluster and a past Director of the IEEE Board of Directors. Today, Lee is active in promoting the development of the Internet of Things through his participation in the IEEE Smart Grid Initiative, the IEEE Transportation Electrification Committee and as a Member of the IEEE Internet of Things Initiative, IoT.

More information on the IoT Initiative can be found at, <http://iot.ieee.org>

ANOTHER TALE FROM THE OLD PROFESSOR

RADIO SHACK; AN OBITUARY

Where did the moniker “radio shack” come from? Before vacuum tubes the only method of generating radio waves was a giant multi-pole alternator or a spark gap to drive a resonant circuit. The high voltage spark was noisy and generated ozone which had a foul odor. Back in the early days it was not yet known that ozone is also a carcinogen. There were other messy devices used in early radio. One form of rectifier was known as a slop jar for good reason.

Because of the above, early amateur radio operation in the house, was forbidden, usually by the lady of the house. Serious amateur radio operators built a shack in the back yard and carried out their messy operations from the shack.

When ships were fitted with radio, wood or steel sheds were made and bolted to the deck of the ship. Ships built in the very early days of the 20th century were not built to include a wireless room. Adding a wireless space below decks encountered several problems. First, was the need to connect the antenna to the wireless gear. With a wireless room below decks some passageway was needed to connect the wireless equipment to the

antenna. Also, the wireless operator should have quick access to the bridge to pass along important information. Thus, the radio room was above decks.



The radio room from the USS Oregon that was added to the ship prior to WW I

The Radio Shack company was started in Boston in 1921 to provide equipment for radio amateurs and professionals. The amateur radio operators or “hams” could identify with a radio shack. After the 1920’s few hams actually operated from a backyard shack as radio had become much more “civilized” and the lady of the house would permit indoor ham radio. But many hams operated from a basement or attic “shack”; including your humble correspondent.

Many Radio Shack stores actually had a “real” radio shack with an operating ham radio station. Hams would congregate on weekends at the Radio Shack radio shack, to share stories, operate the latest Radio Shack equipment and buy parts for projects. Radio Shack stores continued to serve the ham radio community for about 40 years. Audio equipment was added in 1939. In those early days “high fidelity” or “hi-fi” was sort of the audio equivalent of amateur radio. Most Radio Shack stores had “listening rooms” which was the “audio hams” or “audiophiles” equivalent of a radio shack. Like their radio counterparts, audiophiles would congregate in the Radio Shack listening rooms clucking over some sonic subtlety of the latest audio equipment.

In 1957, citizen’s band radio was all the rage and Radio Shack cashed in on that market. But like any “hot” market, the competition became fierce and Radio Shack suffered. In 1963 the company was sold to the Tandy Corporation for a mere \$300,000. After a short burst of profitability under Tandy the company continued to suffer financially. Another chance for survival came in 1977 when the personal computer started to become popular.



Before the IBM PC, personal computing was another “amateur” endeavor. Computers were made from kits and required technical knowhow such as reading schematics and soldering to successfully compute. Radio Shack, under Tandy ownership in 1977, created a ready-made PC; the infamous TRS-80. TRS stood for Tandy Radio Shack and the 80 was connected to the CPU chip used; the Zilog Z-80.

After a series of takeovers and multiple bankruptcies only the Radio Shack name, now RadioShack remains. Current RadioShack stores operate under contract to use the name.

The original Radio Shack is dead and gone. But there are still plenty of “shacks” around. “Shake Shack” started in 2004 and has 113 locations in the US and 69 internationally.

Also, there is “Hair shack”, “Nail Shack”, “Joe’s Crab Shack”, “Potato Shack”, “Wing Shack” (Orlando), “Taco Shack” (New Smyrna Beach) and the unforgettable movie; Caddyshack.

Dr. Al Helfrick, a.k.a The Old Professor

PE CORNER

Keeping Your Licensure Records Up-To-Date

As renewal approaches, it is important that we all make sure that our contact information on file with the Board is correct. It is the responsibility of the Licensee or certificate holder to notify the Board of any change of vital information previously submitted, such as a name or address change, change of employer, or change of PE in responsible charge for a firm. This information should be provided within 30 days of when the change occurs. The Board also encourages licensees to provide their most current email address as the Board routinely provides special notices, information and the quarterly newsletter electronically.

Changes may be submitted to the FBPE on-line. This may be done via an interactive form found in the Licensure section of the Board’s website, and then selecting the *Change Contact Information* page. You can also manage your license account by selecting *Licensee Login* on Department of Business and Professional Regulation’s on-line portal at www.myfloridalicense.com. So while it’s fresh on your mind, log on and make sure that your information is correct and up-to-date.

The contact information that you provide to the Board is public record and subject to disclosure by the Board under public records laws. As a result, we all receive solicitations from a variety of vendors and organizations. In response to some solicitations seeming to imply endorsement by the Board, the Board’s recent newsletter states, “The public records laws in Florida place no restrictions on the commercial use of information provided in response to a public records request, including use of Board compiled listings of Florida licensees and their contact information, including email addresses. The Florida Board of Professional Engineers ***in no way*** endorses or sanctions the use of information obtained through a public records request in any way, whether for sales, marketing, surveying or polling, or other activities.”(emphasis in original)

Did you also know that it is required that you notify the FBPE of a criminal conviction? Hopefully this will never apply to you, but if it ever does, Section 455.227(1)(t), Florida Statutes, Grounds for Discipline; Penalties; Enforcement requires all FPBE licensees to report, in writing to the Board within 30 days, after the licensee is convicted or found guilty of, or entered a plea of non contendere or guilty to, regardless of adjudication, a crime in any jurisdiction. Failure to timely report will result in disciplinary action being taken against the licensee. Note that minor traffic tickets are considered “infractions” and don’t constitute a “crime” as contemplated in this statute. However, more serious traffic tickets, like a DUI are considered a crime. Also note that the reporting requirement only kicks in

if a licensee is found or pleads guilty as noted above, not just merely arrested.

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 for the PEs, don't forget that the next renewal is only 2 months away. Better start earning those CEHs now!

Art Nordlinger, PE, Senior Member

DAYTONA SECTION SHIRTS



We are pleased to offer Daytona Section polo shirts for our Section members. The shirts are embroidered with the IEEE Logo and DAYTONA SECTION on the left and your name and grade, if desired, on the right. The shirt is a high quality 5 oz, 65/35 poly/cotton pique in Royal Blue with white embroidery. Available in S - 2XL in men's as well as ladies' sizes. Price is \$30, including tax, for S-XL size's, 2XL size is \$3 additional.

For more information or to order shirts contact: Allan Jusko 386-671-3706 or a.jusko@ieee.org.

FUTURE MEETING DATES:

The dates for the spring session are: Jan 24th, Feb 28th, Mar 28th, Apr 25th

EDITORS NOTES

Visit our Daytona Section website <http://ewh.ieee.org/r3/daytona>

ENGINEERING HUMOR



2018 SECTION OFFICERS

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NOVEMBER 2018 MEETING

Thursday November 29th at the Halifax River Yacht Club
331 South Beach Street, Daytona Beach, Florida 32114
Just south of the Fire Station at the corner of Beach and Orange Streets

TOPIC– IEEE-USA and Public Policy

SPEAKER – Lee Stogner, PMP, Chair,
Region 3 IEEE Government Relations
Committee Member

AGENDA

5:30 PM Greetings & Cocktails
6:00 PM Dinner
7:00 PM Presentation

Dinner Entrée Choices

Flat Iron Steak- with a mushroom & Dijon mustard cream sauce, Mashed potatoes & vegetable medley

Grilled Salmon- served with a cream dill sauce, Served with mashed potatoes & vegetable medley

Chicken Alfredo- creamy Alfredo Sauce over Linguine

A **Veggie Plate** is also available upon request
Dinners include a house salad, bread, coffee or tea

Members and guests \$20.00 each
Students \$5.00

IMPORTANT DINNER NOTE!

The Yacht Club is requiring us to give them a dinner and menu selection count by the Tuesday afternoon before our meeting. Since the menu items are special selections for each of our meetings and are prepared to be served at the same time, this gives the chef and kitchen time to order, receive and prepare the food items. As always, all members and guests are welcome to attend the meeting and presentations, however any dinner requests received after Tuesday afternoon may not be accepted

Please contact Allan Jusko by Tuesday November 27th at noon
to give us a count for dinner or for further information

If you make reservations and are unable to attend, call prior to the event to cancel.

The Section is charged for all dinners ordered, please let us know if your plans change

Allan Jusko Editor

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