



SPARKS

Daytona Section Newsletter
March 2018



MARCH SECTION MEETING

Thursday March 22nd at the Halifax River Yacht Club, 6:00 PM
331 South Beach Street, Daytona Beach, Florida 32114

PRESENTATION TOPIC

A FUN NIGHT WITH THE OLD PROFESSOR

CHAIR'S REPORT



Happy March to everyone! I hope you get a chance to enjoy the last cool weather before the Florida heat returns. The Section, in conjunction with ERAU, hosted the EWeek dinner on Feb 22, and we had a great turnout as usual. The speaker gave an interesting take on computer security. Since it is held on the ERAU campus, this is a good opportunity to show the students not already involved with the IEEE we are all about.

IEEE SoutheastCon 2018 is being held in St. Petersburg, FL this year, and runs 19 – 22 April. It's never too early to start planning to attend, or to take advantage of early registration. Early registration ends March 30, with regular registration continuing through April 18. We will have representation from student competitive teams, and typically have several section members presenting papers.

The Section has IEEE service pins for those who want to display a token of your years of membership in the IEEE. We have 2-, 5-, 10-, 15-, 25-, and 30-year pins. If you would like one, just let me know your years of service and we can get one to you at the monthly meeting or make other arrangements.

Keith

FEBRUARY'S PRESENTATION

In conjunction with Engineers Week at ERAU, Dr. Noor O. Ahmed a computer scientist at the Air Force Research Laboratory in Rome NY, gave a presentation discussing traditional defensive security solutions employ techniques to safeguard systems from sophisticated cyber-attacks. He discussed the problems of cyber security and outlined a design of a Moving Target Defense Framework for Distributed Systems to help thwart cyber-attacks. The talk was extremely timely considering recent reports of break-ins to financial as well as government data systems.

MARCH PRESENTATION

A FUN NIGHT WITH THE OLD PROFESSOR

The Old Professor is back again this year for our March meeting with another with another "Night of Potpourri". If it's like last year, it promises to be a good evening!

Dr. Helfrick has not divulged exactly what the subjects will be, but promises it will be about technology, engineering, a bit of history: national, international and local. In other words: Potpourri and, of course, presented with The Old Professor's usual whimsy.

OUR SPEAKER

Dr. Al Helfrick is Professor Emeritus at Embry Riddle Aeronautical University. He started his career in radiation hardening of military systems, then after a stint in the military (including a tour of duty in Vietnam), continued in the fields of cable television, test and measurement, avionics and finally as an independent consultant. Dr. Helfrick joined ERAU in 1991 and retired in 2015 after serving as both a professor and department chair. He is still active in academia, continues to publish and present papers at conferences, and occasionally regale audiences with reminiscences from his career.

ANOTHER TALE FROM THE OLD PROFESSOR

LOOKING BACK TO 1957

Chevrolet manufactured the 1957 Chevy with fins and the iconic “283” cubic inch V8 engine. When fitted with a special cam and fuel injection, it became the first production engine to achieve one horsepower per cubic inch displacement. The 283 was standard in the beautiful 1957 Corvette. Two-tone paint and pastels were all the rage.



General Dwight David Eisenhower was president of the United States.



The Wham-O Toy Company introduced the Frisbee.
The Soviet Union launched the first artificial satellite, Sputnik.
Dick Clark wrapped up his first year as host to the Philadelphia-based American Bandstand.

The IRE and AIEE had not yet joined forces to form the IEEE.



This is only a small glimpse of the year 1957. If you would like to start in 1957 and go back in time with an eye towards the development of electronics you need to attend the March IEEE Section meeting and A Night of Pot Potpourri with The Old Professor.

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

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.

IEEE MEMBERSHIP PINS

We have IEEE Membership pins available for years of IEEE membership. See Richard Kent or Dr. Keith Garfield if you're interested

FUTURE MEETING DATES:

The final date for the spring session: Apr 26

EDITORS NOTES

The **SPARKS** newsletter is also available on our website <http://www.ieee.org/go/daytona>

ENGINEERING HUMOR



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331 South Beach Street, Daytona Beach, Florida 32114
Just south of the Fire Station at the corner of Beach and Orange Streets

TOPIC– A Fun Night WithThe Old
Professor

SPEAKER – Dr. Al Helfrick, Professor
Emeritus at ERAU

AGENDA

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

Dinner Menu

Chicken Alfredo - Grilled chicken breast tossed in creamy Alfredo with Linguine noodles

Hawaiian Style Salmon - Char-grilled with a coconut pineapple beurre blanc. Served over Jasmine rice and baby carrots

Flat Iron Steak - Marinated and char grilled with a mushroom and Dijon mustard demi cream sauce. Served with mashed potatoes and baby carrots

Members and guests \$20.00 each
Students \$5.00

Please contact Allan Jusko by Wednesday March 21st 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

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