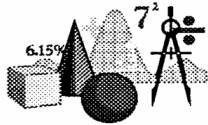




SPARKS

Daytona Section Newsletter
March 2013



CHAIRMAN'S REPORT

Is anybody listening? Well Roger Grubic was. Roger was the only one who responded to my request for ideas for better meetings. I have heard many comments but only a few have made any concrete suggestions. What I really want to know is what kind of program would make you want to come to a meeting?

Of course, one way is to try different kinds of programs and see who, or how many come. Low and behold, Jeanette did that and got the best attendance we have had in years. Of course Butch Shadwell is well known to be an excellent speaker but I don't know how many of us, in Volusia County, know him. I could not attend that meeting because of a prior commitment but I persuaded him to stay at my house so I had a fine late night gab fest and more the next morning over breakfast.

The idea of setting up tables in the Lehman Lobby seems to have been a draw. First, it was Engineer's Week so the tables were already there and their food was more affordable. Maybe we should try that again. DSC and BCU students might find it difficult but we have many members working at ERAU as well as a large student contingent. The yacht club is more of a neutral ground and they have excellent audio-visual facilities. I will talk with them about a more affordable menu.

One of the best things that happened this month was a Life Members tour of the Larsen Motorsports facility by none other than Elaine Larsen. As part of the tour, they pushed one of their Miller Dragsters out into the back yard and fired it up. Now this baby has over 5000 horsepower in its GE model J-85 jet engine and just hearing it is exciting but she blew out 20 feet of flame and buckets of smoke for us. Thanks to Ron Gedney for setting up the tour.



I took video of this tour on my telephone and hope that you can see the movie I put together. Charlie (our web master) and I had lunch afterwards and we discussed putting the video on the web site. He thinks he can do it. In any event, here is a link (for those of you reading this as an email attachment) to our web site: <http://ewh.ieee.org/r3/daytona/>. We will try to have it, or some part of it, on the web site.

If you missed any one of these meeting's you lost out. Don't lose out again. Our next meeting is cogent for any of us who use a computer. Dr. Remzi Seker is a professor from ERAU and is an expert on Cyber Security. Do you know about phishing? Come and find out. Does it matter if some company is trying to learn about you? Do you care? Come to the meeting. In the meanwhile, you all can help me by giving me your preferences. What would persuade you to come to our meetings? Please let me know at tracy@alum.mit.edu.

Tracy

**MARCH PROGRAM
CYBER SECURITY AND PRIVACY**

Wide availability of computers and the connectivity that comes with them provide services that have become an integral part of our lives. Connectivity has quickly evolved into being an essential infrastructure element on which our society relies for business as well as maintaining quality of life. Rapid evolution of technology and its penetration into our society brings forth various challenges, privacy being a prominent one. This talk will survey some privacy issues and the impact of involuntary disclosure of personal information with examples. The speaker will also provide examples of how data is collected from users and the potential long-term impact of such practices. The speaker will also present some measures which could help users protect their information.

OUR SPEAKER



Remzi Seker is a Professor in the Department of Electrical, Computer, Software, and Systems Engineering in Embry-Riddle Aeronautical University. His research interests are safety and security critical systems and computer forensics. One of Dr. Seker’s research interests focuses on ways to address the asymmetric threats that arise from rapid, yet necessary use of technology. Dr. Seker is the co-author of one of the first papers that was published on Mobile Phishing and possible techniques for preventing it. He serves on ACM and IEEE Computer Society Computing Curriculum: Computer Science 2013 (CS2013) Committee. Dr. Seker has been actively involved in educating the general public as well as legal professionals in the area of security and privacy. He has been interviewed multiple times by various TV stations and magazines on matters regarding cyber security. Dr. Seker served as a US Department of Homeland Security Software Assurance (SwA) Forum Working Group member. He is a Senior Member of IEEE and he serves as associate editor for Electrical Engineering and Computers and the Journal of Cyber Security and Mobility.

LIFE MEMBER MEETING

The Life Members Chapter had a tour of Larsen Motorsports Inc. in Daytona Beach on February 27th. The company, owned and managed by Elaine and Chris Larsen, designs, builds and races jet powered dragsters. Chris is an Aeronautical engineer who combined his love of drag racing with his engineering background; Elaine is the key driver and business manager. Larsen Motorsports has partnered with Embry Riddle for research and development projects and provides internships for ERAU engineering students.



Elaine Larsen “Lighting Up” a jet dragster



Chris and Elaine meeting with Life Members

TALES FROM THE OLD PROFESSOR

THE FIRST UNITED STATES FLAG

The Old Professor has discovered some documents that history seems to have lost. We have just celebrated the birth of our first president but here is some correspondence that you may find interesting.

Al Helfrick, Ph.D.

**CONTINENTAL CONGRESS
INDEPENDENCE HALL
PHILADELPHIA, PENNSYLVANIA, 30041-1776**

1 February 1777

Ross Tailoring Company
10 Arch Street
Philadelphia, Pa. 30042-1456

Dear Ms. Ross:

The Continental Congress would like to invite your company to bid on the development of a new flag for our country. The prototype flag is required by 14 June 1777. Included are the necessary specifications, regulations, and forms for this proposal.

INCLUDED FORMS:

Specification, Army, Flag, American: USA:3456-234/Q Rev. 3.2.3.4

Specification, Navy, Flag, American: USN:45/Q/9p-L Rev. 4.6

Colonial Bureau of Standards: Color Chart, 146-3 parts R, W and B

Department of Interior; environmental impact statement instructions

EEO survey form 11-46, 1776

Small Business Administration minority/women-owned business qualification form.

"Buy American" campaign qualification form

City of Philadelphia Development Agency form 234.56/AC

Commonwealth of Pennsylvania tax form 56-3.3.4.5.34

Immigration and Naturalization Service reporting form I-8

The deadline for responding to this request for proposal is 1 March 1777.

Sincerely,

George Washington
Commander in Chief,
Continental Army

**ROSS TAILORING COMPANY
"A Woman-Owned Company"
10 ARCH STREET
PHILADELPHIA, PA. 30042-1456
Pony Express, (PonyEx), Stop Phila.- 112**

Gen. George Washington
Commander in Chief
Continental Army
Independence Hall
Philadelphia, Pa. 30041-1776

Dear General Washington:

The Ross Tailoring Company is pleased to submit the following bid for your new flag:

Development costs:

Design of new flag as per specifications	\$ 5,250.00
Full military testing	\$35,000.00
Documentation	\$17,500.00

Cost per flag	
1-100	\$ 17.95
101-1000	\$ 12.95
Military version	\$197.23

Standard Shipping, per flag, (3 month delivery)	\$6.00
Special two week delivery, PonyEx	\$25.00
Shipping outside of the 13 Colonies	\$150.00

Prices include all applicable Continental, Commonwealth, Robber Baron and City taxes.

The Ross Tailoring is not responsible for losses or damage due to hostile military action, ships lost at sea, pirates or Indian raids.

This quotation is valid for a period of 90 days.

Sincerely,

Betsy Ross
President

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 \$28, including tax, for S-XL size's, 2XL size is \$4 additional.

For more information or to order shirts contact
Allan Jusko
3706 Longford Circle
Ormond Beach, FL 32174
386-671-3706 or a.jusko@ieee.org

Indicate shirt size and name and grade if desired. Shirts must be paid for before ordering, typical turn around time is 2 weeks. Arrangements can be made to pick up shirts or have them shipped to you.

DAYTONA SECTION COFFEE MUGS



The Daytona Section has available coffee mugs with the IEEE Daytona Section Logo and are available for \$7.00. Purchase one or more to show you support and pride in our Section. Contact Roger Grubic at 386-441-8958 or roger_grubic@ieee.org for more information.

CALENDER OF EVENTS

SouthEastCon- Jacksonville, April 4-7, 2013

EDITORS NOTES

The **SPARKS** newsletter is also available on our website. The website address is shown below.

Website address for the Daytona Section

<http://www.ieee.org/go/daytona>

Region 3 website

<http://www.ewh.ieee.org/reg/3/>

Melbourne Section website

www.ieeemelbourne.org

Orlando Section website

www.ieee.org/orlando

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MARCH 2013 MEETING

Thursday March 28th 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

AGENDA

6:30 PM Cocktails
7:00 PM Dinner
8:00 PM Program

TOPIC – Cyber Security & Privacy

OUR SPEAKER – Remzi Seker, Professor,
Department of Electrical, Computer, Software,
and Systems Engineering, ERAU

March Dinner Menu

Beef Tips w/mushrooms & roasted potatoes	[All entrees served with
Chicken Parmesan w/pasta and vegetables	[rolls and butter,
Broiled Tilapia w/roasted potatoes and vegetables	[house salad, coffee/tea

Unless noted, dinner entrées are \$20.00 each. Students \$10.00 each
A Veggie plate is available on request for \$10

Please contact Allan Jusko with your dinner selections or for program information. Dinner Selection's must be in by Wednesday the 27th at noon so the club has time to order and prepare

Allan Jusko SPARKS Editor 386-671-3706 a.jusko@ieee.org

If you make reservations and are unable to attend, call at least 12 hrs prior to the event to cancel
