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THE SUNCOAST SIGNAL

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.



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This Month's Meetings

Tuesday, July 12th: EXCOM Meeting
Meeting starts at 5:30PM At TECO Plaza
Register online at <http://time2meet.com/fwcs-excom/index.html>
Open to all FWCS Members

Robotics and Automation Society Meeting
Meeting is July 19, 2011
Go to the RAS Page of FWCS Website for Latest Info!

LabCorp Tampa Tour
Thursday, July 14, 2011
4:00PM to 6:00PM
Space Limited to 20 Registrants!
[Details on page 5](#)

Power of Leadership Presentation
Tuesday, July 19, 2011
Time 5:45 PM
[Details on Page 4](#)

Computer Society Meeting
Tuesday July 26, 2011
Time 6:00PM
Cloud Computing Presentation
[Details on page 6](#)

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This Month...(Editor's Column)

Recent news from the Paris Airshow at Le Bourget, France features the Boeing 787 Dreamliner aircraft. It is Americas answer to the needs of the airlines and is significantly different than the Airbus 380 airliner that has recently gone into service. The Dreamliner has been delayed by a number of factors like its complex Flight Management Computer, new ultra quiet and efficient engines and its all carbon fiber fuselage. Flight testing is nearly complete and when launched it will have 20% better fuel efficiency than comparable aircraft. For the latest photos of the 787 and other aircraft at the Paris Airshow, go to <http://boeing.com> and view video highlights.



IEEE-USA Webinar Series: Risk Management Can Change Your Career



Participants in this new six-part webinar series will learn about risk-based problem solving and risk-based decision-making under uncertainty — two critical skills for engineers today. The series will focus on application of risk management frameworks, standards and practices in engineering with a specific focus on cyber security, public safety and critical infrastructure protection (CIP). The series kicks off on 20 July with "Cyber Security in the Electric Utility Sector." IEEE members pay \$19 for a single webinar or \$89 for the series. Participants will have access to a host of online resources, including articles, wikis, blogs, online chats with risk experts, and much more. ▶ For more information go to <http://www.ieeeusa.org/careers/webinars/2011/Risk-Management.html>



Smart Grid Symposium Back by Popular Demand

Following a successful Smart Grid presentation last year, the FWCS will once more have Randi Dotson, Jason Flynt and Lee Collins representing Lakeland Electric, Progress Energy Florida and Tampa Electric Company at hand to discuss their respective company Smart Grid Vision. They will provide an update on their progress implementing that vision and share intimate detail of their plans. It will be an interactive presentation affording you the opportunity to participate and ask questions. In addition there will be a presentation on the impact of Electric Vehicles on the distribution Grid. Four PDH's will be credited for attendees

Please mark your calendar this event is coming on Friday August 26 2011 at Seminole Electric, 16313 North Dale Mabry Hwy, Tampa, FL 33618

\$100 Members, \$150 Non-Members, \$50 Students. (Includes Lunch)
RSVP Online at: <http://time2meet.com/fwcs-pes1/index.html>



Teacher In Service Report

Dear Science Supervisors,

Hope you are about to enjoy a nice summer. I know that some (maybe all) of you have a Professional Study Day you would like help with before the school year commences in August. Please re-read my update and offer below and reply with the following information:

1) Need a date and location of the Regional Professional Study Day, For example: Pinellas County has requested our help at Seminole High School on August 16th. Topic to be yet determined.

2) Browse lesson plans at <http://www.ieee.org/web/education/preuniversity/home.html> or www.trvengineering.org for ideal topics that fit your curriculum. Please reply to my email venner20@ieee.org to request an engineer to perform the topic you have picked. We will work with you on building the presentation fit your day.

On the day of the event, the IEEE requires us to pass out and collect the attached surveys to those who participate. The results will provide the IEEE with data that teachers are integrating these topics to help with the Engineering Education of the students.

The Executive Committee of the IEEE Florida West Coast Section meets on the First Tuesday and the RAS Society meets on the third Tuesday. Please reply soon so that we can make proper arrangements with you on your Teacher In Service/Professional Study Day.

Any questions please email me.

Thank you.

Sean Denny

IEEE FWCS Teacher In Service Chairman

Venner20@ieee.org

727-678-0183



Volunteers Needed To Develop IEEE-USA Position on Cybersecurity



IEEE-USA's Committee on Communications Policy is seeking volunteers to assist in reviewing pending cybersecurity legislation and related administration proposals with

the goal of developing an IEEE-USA position statement. If you would like to be part of this effort, please contact the CCIP Chair Eric Burger at e.burger@ieee.org

The IEEE Student Branch at USF Seeks Professional Mentors

The IEEE student branch at the University of South Florida is in the process of initiating an IEEE/FWCS mentorship program and is in need of volunteers. The student branch is seeking volunteers within the Florida West Coast Section membership body who would be willing to participate. Up to three students will be assigned under each mentor working in their area of interest. The program will call for a minimum of one monthly meeting from each mentoring group, overall being three meetings a semester. The meeting times and locations are to be arranged and agreed to by the mentor and his or her students within each group.

By participating in the IEEE/FWCS mentorship program you will be helping to develop experience, networking, and professionalism among the upcoming student body; the engineers of tomorrow. Students will be granted the opportunity to meet and associate with professional IEEE members, allowing them to create a professional relationship with members of the Florida West Coast Section. This allows for further student involvement within IEEE and the Florida West Coast Section.

If you are interested in participating in the IEEE/FWCS mentorship program, please contact us by email at:

Victor.basantes@ieee.org

Mikel Graves

External Secretary of IEEE USF Student Chapter

Email: mikelgraves@mail.usf.edu



Sponsorships for the IEEE Student Branch at USF

The IEEE USF Student Chapter is seeking potential sponsors for assisting and funding our further events. By funding us, you will open more opportunities for our members as well as for your company. Your company will be displayed at IEEE hosted events, and have a reserved spot at IEEE picnics and senior banquets. Also the sponsorship donations are tax deductible!

If you and your company are interested in sponsoring the IEEE student Branch at USF or if you know anyone else that is interested, please contact us at: victor.basantes@ieee.org

Mikel Graves

External Secretary of IEEE USF Student Chapter

Email: mikelgraves@mail.usf.edu



Signal Processing and Communications Society and Consultants Network Joint Meeting



Power of Leadership: Key Ingredients to Become a Successful Leader in the Consultant Field of Wireless Communication Systems

Speaker: Peter Panko, President – InteliOPT Incorporated

Date: Tuesday 19, July 2011

Time: 5:45 pm

Location: TECO Hall North, 702 N. Franklin Street, Tampa, FL 33602

Cost: \$5 for students (w/ student ID), \$10 for IEEE members (w/ IEEE member ID) and \$15 for non-members. Soft drinks and food will be provided. Please bring cash or check.

Register here: <http://time2meet.com/fwcs-mtt/index.html>

For driving directions, contact abelhect@hotmail.com

Abstract: The demand for broadband wireless communication services are growing exponentially and at the same time carriers are faced with fierce competition due to high penetration of consumer devices. This creates a two-fold problem. One is to maintain and upgrade network performance. The other, is to keep operational cost down. This provides a new opportunity to consultants that are able to solve immediate problems to the carriers needs. In this talk, the author will discuss the key ingredients to become a successful leader in the consultant field of wireless communication systems.

Biography: A recognized technology leader known for creating and developing essential strategic vision to achieve business goals, Peter Panko offers a unique blend of executive acumen. As the Founder and President of InteliOPT, Inc, a Florida based Telecom Engineering firm that specializes in design, optimization, testing and implementation of today's wireless and fixed networks, he is responsible for running all aspect of the business. In the short three years Peter Panko has built an engineering firm that has completed several major wireless and fixed network design and implementation projects for top 3 major wireless carries. Peter Panko is a seasoned engineering professional with broad industry experience, coupled with a strong track record of carrier-class service delivery. He has a proven executive management track record with over 16 years of experience in the Telecom industry. Prior to founding InteliOPT, Peter Panko served as the Regional Senior Engineering Manager for Sprint Nextel for 11 years. His responsibilities ranged from managing 2G, 3G and 4G network design, deployment, implementation and operations. He began his wireless engineering career at Comsearch, VA based consulting company. Peter Panko earned his BSEE degree from Polytechnic of Lublin, Poland.





LabCorp Tampa Tour

- Sponsors:** Jointly Sponsored by PE/IA and the EMB Chapters
Date: Thursday July 14, 2011
Time: 4:00PM –6:00PM
Speaker: Thomas Herman, PhD, Technical Director
Location: Florida Division, Main Facility, 5610 West La Salle Street, Tampa, FL33607
 (Can be accessed by turning north at the west limit of Cypress street)
Cost: Free of Charge to attend!
RSVP: Online at: <http://time2meet.com/fwcs-pes3/index.html>
 Space limited to the first 20 registrants!!!
Questions: Tim Doolittle at 813-735-2722 or tdoolittle@fastmail.fm

As requested by our members, this will be a follow-up to our 2010 tour of LabCorp to visit other areas of the facility and to view new technology instrumentation that has been installed.

With scientific expertise in esoteric testing, genomics, and clinical and anatomic pathology, LabCorp performs more than one million tests on approximately 400,000 samples each day. LabCorp is a pioneer in applying advances in medicine and science to laboratory testing, with more than 35 years of experience in serving physicians and their patients.

LabCorp operates a sophisticated laboratory network, with corporate headquarters in Burlington, NC, and over 28,000 employees worldwide. Their 220,000 clients include physician offices, hospitals, managed care organizations, and biotechnology and pharmaceutical companies.

The headquarters for the Florida Region, the Tampa LabCorp facility processes over 30,000 samples on a 24/7 schedule using sophisticated and sensitive automation equipment from companies like Siemens, Beckman-Coulter, Sysmex, and others, each with specialized infrastructure and utility requirements.



SPAC-Support Coordinator Experience!

What does IEEE offer students besides technical conferences and the latest news in engineering? Two years ago I would have said... I don't know! Recently I decided to get more involved with the IEEE Student Branch at USF (University of South Florida) and I planned an IEEE-USA S-PAC (Student Professional Awareness Conference). This experience made me realize how important it is to work in a group that helps you develop leadership skills. Every step during the event planning included challenges we overcame as a group and got to know each other better. A few days later, I was invited to be part of the Student Professional Awareness Committee (SPAC) as support coordinator for Region 3. I did not know what to expect, but I got to see all the work and effort to facilitate IEEE Student Branches with tools to complement the engineers' professional formation. I met a group of IEEE-USA people focused on making students aware of professional issues that will affect their careers. Attending this meeting, I was able to see that every region has different issues and challenges to assume. I also had a chance to work with different committee members throughout the meeting. For the first time, I realized IEEE and IEEE-USA are not only about the technical aspects of engineering, there are many ways in which we can get involved and learn great skills that will help us succeed in our careers!

Alexandra Oliveros

Doctoral Student

University of South Florida

IEEE Region 3 SPAC Support Coordinator

E-mail: alexandra_oliveros@ieee.org



Computer Society Meeting - Cloud Computing

Our speaker: David R. Meyer, Solution Architect with Dell Data Center Solutions

David Meyer is a member of IEEE in Tampa. He is a Cloud, Hyperscale and HPC Solutions Architect with Dell and will be sharing his knowledge of cloud computing with us. Companies are moving resources and applications into the "cloud" and David will present cloud architecture details and present the benefits as well as the limitations.

Where: Tuesday, July 26th at CDB's Southside in South Tampa 3671 S West Shore Blvd Tampa, FL 33629, (813) 805-2327 . **Please register**, get directions and dinner information at the link below:

<http://time2meet.com/fwcs-cs1/index.html>

Time: 6:00 PM

Speaker Bio: David specializes in Cloud, Hyperscale and High Performance Computing. David joined Dell in 2008, and held the role of Systems Consultant for two years in Florida where he architected virtualization solutions with Dell servers and storage.



An eighteen year industry veteran, David started his career in the US Navy as a Unix System Administrator responsible for several mission critical Special Operations intelligence system. Since leaving the Navy in 1999, he has held numerous positions at some of the IT's most noteworthy companies including CA Technologies (formerly CA) and Symantec. He has spent time at two Value Added Resellers that focused on eCommerce and Disaster Recovery solutions, some of which were successfully tested on September 11th, 2001. As a recognized expert with Linux and Open Source technologies, David was a regularly featured speaker at several industry trade shows including the Linux World Expos in both New York and San

Francisco. David also obtained a Masters of Business Administration degree from Grand Canyon University.

Dinner Cost: (4 great dinner choices with tip and tax included):

IEEE Members: \$20.00, Non-IEEE Members \$25.00.

This is an open meeting. Guests are welcomed!

Your hosts: James Lumia, Computer Society Chair, JLumia@IEEE.org & Hermann Amaya, Consultants Network Chair, 727-543-1308 cell



Check Out the FWCS Online Store!

Have you ever seen a local IEEE seminar that looked interesting, but for some reason your schedule just didn't allow you to attend. Remember what that hollow pit of longing felt like when you read reviews of just how good the seminar was in the next edition of the Signal. There may have been information that was discussed that could have changed your career or for that matter, your life. Oh well, guess there's nothing that you can do about it now...

But wait! Maybe there is something that can be done -- a second chance perhaps? Not for all of our meetings (yet), but at least for those wildly popular PACE meetings that have been held this year. It turns out that each of those meetings has been video recorded and now those video recordings are being made available to you for a very low price. Not only do you get access to the video of the complete seminar, but you also get to download copies of all of the presentations and handouts that were distributed as part of the seminar.

How's that for a second chance?

Check out the brand-new FWCS Online store and see if there's something there that you'd be interested in. Go to the FWCS web site (<http://www.ieee.org/fwcs>) and click on "Store" on the top menu to get access to all of the videos that are currently for sale.

Life doesn't give us enough second chances; make the most of this one!

Jim Anderson



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<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th rowspan="2">Size</th> <th colspan="2">One Month</th> <th colspan="2">6 Months</th> </tr> <tr> <th>Member</th> <th>Non-Member</th> <th>Member</th> <th>Non-Member</th> </tr> </thead> <tbody> <tr> <td>Business Card</td> <td>\$25</td> <td>\$30</td> <td>\$120</td> <td>\$145</td> </tr> <tr> <td>1/4 Page</td> <td>\$40</td> <td>\$50</td> <td>\$190</td> <td>\$240</td> </tr> <tr> <td>1/2 Page</td> <td>\$75</td> <td>\$90</td> <td>\$360</td> <td>\$40</td> </tr> <tr> <td>3/4 Page</td> <td>\$110</td> <td>\$135</td> <td>\$530</td> <td>\$650</td> </tr> <tr> <td>Full Page</td> <td>\$140</td> <td>\$175</td> <td>\$670</td> <td>\$840</td> </tr> <tr> <td>Insert / Sheet</td> <td>\$200</td> <td>\$250</td> <td>\$800</td> <td>\$1,000</td> </tr> </tbody> </table>		Size	One Month		6 Months		Member	Non-Member	Member	Non-Member	Business Card	\$25	\$30	\$120	\$145	1/4 Page	\$40	\$50	\$190	\$240	1/2 Page	\$75	\$90	\$360	\$40	3/4 Page	\$110	\$135	\$530	\$650	Full Page	\$140	\$175	\$670	\$840	Insert / Sheet	\$200	\$250	\$800	\$1,000	<p style="text-align: center; font-size: 1.2em;">Blue Elephant Consulting</p> <p style="text-align: center;">IT Transformation Consultants: PEOPLE, PROCESSES, & PRODUCTS</p> <p>Dr. Jim Anderson P.O. Box 341734 President Tampa, Florida 33694-1734</p> <p>Phone: 813.418.6970 jim@blueelephantconsulting.com www.blueelephantconsulting.com</p>
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Seminar On Lemon Spotting Hits A Sweet Spot!

On Wednesday, June 22nd the IEEE Florida West Coast's PACE group presented a seminar titled "Choosing Your Next Employer: How To Spot The Lemons!". Over 20 members of the FWCS Section registered to attend this meeting and the evening was filled with both learning and great questions.



As engineers we like to think of ourselves as being able to take in lots of data, process it and then reach the right decision. However, when it comes to our careers, we've never been trained how to do this and that's why so many of us end up stuck in dead-end jobs or, even worse, leave a good job to go work for a company that turns out to be not-so-good. Something's got to change!

During this meeting, the audience of engineers was shown how to make smart decisions about the company that they are working for now and any companies that they might be thinking about going to work for in the future. Using the techniques that Warren Buffet uses to size up companies, they were shown how to determine the current status of a company. Are they getting ready for another round of layoffs? Are they having the best year ever? Should you expect to get a big raise this year? How big of a bonus should you be expecting? The audience was shown how to know the answers to these questions before anyone else does.

Admission was \$15 for IEEE members / \$25 for non-members / and \$5 for students. During the meeting food and drink were provided along with lots of great information that the audience will be able to put to use right away.

If you'd like to gain access to the information that was presented, check out the recording of this meeting that is available for viewing in the FWCS web site's online store. For only \$17 you get 30 days of access to the 60 minute video recording of this meeting, an MP3 file of the audio of the presentation, copies of both the slides that were used and the handout. Check it out online at (type carefully – capitals count!): <http://goo.gl/BzvYI>

Jim Anderson





Florida West Coast Section, Tampa

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 Or fax your address changes to (732) 562-5445

July 2011 Calendar of Events (For more information see P. 1) *inside this Signal...*

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
26	27	28	29	30	1	2
3	4 	5	6	7	8	9
10	11	12 <i>EXCOM Meeting at TECO Hall</i>	13	14 <i>LabCorp Tour, See page 5</i>	15	16
17	18	19 <i>RAS Meeting, also SP/CS meeting, see page 1</i>	20	21	22	23
24 31	25	26 <i>Cloud Computing, see page 6</i>	27	28	29	30