<table>
<thead>
<tr>
<th>Inside This Signal...</th>
<th>This Month’s Meetings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Page 2</td>
<td>Tuesday, February 3: EXCOM Meeting, 5:30PM at TECO Plaza</td>
</tr>
<tr>
<td>*PE Renewal Article</td>
<td>Register online at <a href="http://time2meet.com/fwcs-excom/index.html">http://time2meet.com/fwcs-excom/index.html</a></td>
</tr>
<tr>
<td>*Change in Continuous Education requirements</td>
<td>Open to all FWCS Members</td>
</tr>
<tr>
<td>Page 3</td>
<td>PE Renewal Article</td>
</tr>
<tr>
<td>*IEEE USA Free e-Book</td>
<td>Change in Continuous Education</td>
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<tr>
<td>Page 4</td>
<td>Details on page 2</td>
</tr>
<tr>
<td>Power Transformer Overview</td>
<td></td>
</tr>
<tr>
<td>Page 5</td>
<td>IEEE-USA Free e-Book</td>
</tr>
<tr>
<td>*NFPA 70E-2015 Electrical Safety Seminar</td>
<td>Details on page 3</td>
</tr>
<tr>
<td>Page 6</td>
<td>Power Transformer Overview</td>
</tr>
<tr>
<td>*2015 Engineers Week Banquet</td>
<td>Details on page 4</td>
</tr>
<tr>
<td>Page 7</td>
<td>NFPA 70E-2015 Electrical Safety Seminar</td>
</tr>
<tr>
<td>Sponsor/Vendor Info for TBEWB</td>
<td>Details on page 5</td>
</tr>
<tr>
<td>Page 8</td>
<td>2015 Tampa Bay Engineers Week Banquet</td>
</tr>
<tr>
<td>*Tour DeSoto Next Generation Solar</td>
<td>Details on page 6</td>
</tr>
<tr>
<td>Page 9</td>
<td>Sponsor/Vendor Information for 2015 Tampa Bay Engineers Week Banquet</td>
</tr>
<tr>
<td>*IEEE RAS Meeting</td>
<td>Details on page 7</td>
</tr>
<tr>
<td>*Advertising Section</td>
<td>Tour DeSoto Next Generation Solar</td>
</tr>
<tr>
<td>Page 10</td>
<td>Details on Page 8</td>
</tr>
<tr>
<td>*Calendar</td>
<td>IEEE RAS Meeting</td>
</tr>
<tr>
<td></td>
<td>Details on page 9</td>
</tr>
<tr>
<td></td>
<td>Calendar</td>
</tr>
<tr>
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<td>Details on page 10</td>
</tr>
</tbody>
</table>
PE Renewal is Almost Upon Us Below is the Last Opportunities to Get Your 4 Technical Hours Before the February 2015 Deadline

Brought to you by YOUR IEEE PE/IA Chapter

Thursday, February 26th – Power Transformer Overview – Don Seay General Electric - Location: Seminole Electric

Registration: 8:00 A.M. Seminar: 8:30 A.M. - 2:30 P.M.

Also note that the PE Requirements change for future years. Refer to the article included below.

Changes to Continuing Education Requirement For your P.E. License

Licensed professional engineers are currently required to obtain eight (8) continuing education (CE) course hours every two years in order to renew their licenses. Of the eight hours, four hours are required to be on the laws and rules of professional engineers.

Effective March 1, 2015, HB713 requires a total of 18 continuing education course hours in order for licensed professional engineers to renew their licenses. Of the 18 hours, one must be related to the laws and rules of professional engineers, one must relate to professional ethics, and four must relate to the licensee’s area of practice. The remaining hours may correlate to any topic pertinent to the practice of engineering. Four hours of the continuing education course hours may be obtained by being an officer for a Board-recognized professional or technical engineering society. The required hours relating to law, rules and ethics may also be earned by a PE serving as a member of the Legislature or as an elected state or local official. Since the portion of the Bill relating to CE requirements does not take effect until March 1, 2015, the new CE requirements will not apply until the 2015-2017 biennial renewal
For the month of February, IEEE-USA E-Books will offer *Work-Life Balance – Book 1* by Peggy G. Hutcheson.

In Work-Life Balance – Book 1, Hutcheson guides the readers through a “Work-Life Balance Check-up” and helps them to understand the issues and impact of being out of balance. Work-life balance is a state of control, achievement and satisfaction in your life. It also means that you align your choices with those things that are important to you in life, so that you are able to enjoy a sense of satisfaction from the choices you have made.

How balanced are you?


**Call for Authors**

IEEE-USA E-books seek authors to write an e-book or e-book series on career guidance and development topics. If you have an idea that you think will benefit members in a particular area of expertise, please email your proposal to IEEE-USA Publishing Manager Georgia C. Stelluto at g.stelluto@ieee.org and IEEE-USA Communications Committee Chair Gus Gaynor at g.gaynor@ieee.org.

IEEE-USA serves the public good and promotes the careers and public policy interests of more than 200,000 engineering, computing and technology professionals who are U.S. members of IEEE.

Web: [www.ieeeusa.org](http://www.ieeeusa.org)
Facebook: [www.facebook.com/ieeeusa](http://www.facebook.com/ieeeusa)
Twitter: [www.twitter.com/ieeeusa](http://www.twitter.com/ieeeusa)
Join IEEE: [www.ieee.org/join](http://www.ieee.org/join)

Contact: Sharon C. Richardson, Coordinator
IEEE-USA Communications & Publishing
Phone: 1 202 530 8363
E-mail: s.richardson@ieee.org
Power Transformer Overview

Last Chance to Earn Your PDH’s For this Renewing Period

Date: Thursday, February 26, 2015
Time: Registration: 8:00 A.M. Seminar: 8:30 A.M. - 2:30 P.M.
Speaker: Don Seay, P.E., General Electric
Location: Seminole Electric Cooperative
16313 North Dale Mabry Hwy. – Tampa, Florida
Cost: $100 Members, $200 Non-Members, $25 IEEE Student Members

PDH Credits: 4 professional development hours will be awarded. Be sure to provide your name as it appears on your Florida license and your license number to insure proper credit. Florida Provider #0003849 I

Reservations: Online at: http://time1meet.com/fwcs-meetings/ (Select Reservations)
Make checks payable to IEEE FWCS and mail a check in advance to IEEE PE/IA Chapter Treasurer:
PES/IAS Chapter 2593 Forest Run Court Clearwater, FL 33761-3716
Space limited to the first 40 registrants!!

Contact: Jim Howard at 863-834-6511 or james.howard@lakelandelectric.com

Power Transformer Overview

This course covers various topics pertaining to power transformers including:

- Basic concepts, definitions, ratings, and components
- General design concepts & construction phases
- Specification considerations, including factors to consider during planning, application, engineering; loss evaluation; unusual conditions
- Factors typically considered during customer-manufacturer joint design reviews
- Factory acceptance test description
- Metrics used to measure quality assurance; procedures for ensuring acceptability
- Procedures/steps performed after receiving transformer prior to installation

Don Seay is a registered Professional Engineer in NC, serving as technical application engineer with General Electric since 2010. He has 27 years of electrical utility experience in various T&D engineering roles including Southern Company, CLECO, Florida Power & Light, and Progress Energy. He also has 5 years of T&D consulting experience with KEMA & Doble Engineering. His areas of expertise include T&D transformers, circuit breakers, voltage regulators, and underground cables covering all aspects including design, manufacture, specification, application, operation and maintenance. Don holds both Bachelor of Electrical Engineering and Master of Electrical Engineering degrees from Auburn University.
Updates and Training on NFPA 70E-2015
Electrical Safety in the Workplace.

Date: Friday, March 27, 2015
Time: Registration & Breakfast: 8:00AM-8:30AM
Seminar: 8:30AM – 3:00PM
Speaker: John Leedy, P.E., Owner, LEEDY ELECTRIC EAST, LLC
Location: Seminole Electric Cooperative, 16313 North Dale Mabry, Tampa, Fl. 33618
Cost: $150 Members, $300 Non-Members, $100 Students. Includes Breakfast, Lunch, & seminar text, “NFPA 70E – 2015 Standard for Electrical Safety in the Workplace” (a $65 value)

PDH Credits: 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: http://www.ewh.ieee.org/r3/floridawc/ (Select Reservations)
Make checks payable to: IEEE FWCS
Send checks to: Ralph Painter, IEEE FWCS Treasurer
648 Timber Pond Drive
Brandon, FL 33510-2937
Space limited to the first 50 registrants!!

Questions: Tom Blair at 813-228-1111, ext. 34407 or thblair@tecoenergy.com

Seminar Text

Your local IEEE PES/IAS Chapter is offering this 6 hour training on Electrical Safety in the Workplace by John Leedy, Owner of Leedy Electric East.

This training session will be devoted to the subject of Electrical Safety in the workplace as it relates to the latest edition of the NFPA 70E-2015 and the updates contained therein. Topics such as “how does electrical safety and the NFPA-70E apply to the workplace” and “what is required to be compliant with the standard” will be covered.

A copy of the standard, NFPA-70E-2015 Standard for Electrical Safety in the Workplace is included in the training costs.

Join us to what will surely be an entertaining and inspirational presentation from one of NASA's greatest astronauts.

This Engineers Week, the engineering societies of the Tampa Bay area have put together the fifth annual Tampa Bay Engineers Week Banquet on Friday, February 27, 2015, at the:

A La Carte Event Pavilion (4050 Dana Shores drive, Tampa, Florida, 33634)

This premier event brings together local leaders and engineering professionals to recognize the outstanding achievements of Engineers, Science Teachers, Math Teachers, and Students in our community.

Additionally, awards will be presented to outstanding engineers in each discipline, as well as local engineering students excelling in their engineering related studies and Young Professionals. The banquet also features the Lignell Awards. These awards, named after a former Chairman for the Institute of Electrical and Electronics Engineers (IEEE), are given to local High School educators who are performing outstanding work in the instruction of the STEM topics (science, technology, engineering and math). The organizers of the event recognize the important role these individuals play in encouraging students to pursue technological degrees in college.

The banquet is a combination of efforts by all the Engineering Societies of West Central Florida This event brings together professionals in all fields from all around Tampa and Florida’s west coast.

(continued)
VENDOR/SPONSOR INFORMATION FOR
TAMPA BAY ENGINEERS WEEK BANQUET

Platinum Level Sponsorship - $1250 Donation
- Company logo displayed on signage at the event.
- Receives up to 10 tickets to the awards banquet
- Presents the Lignell Award.
- Receives recognition at Platinum Sponsor level on event slideshow & program.
- Receives recognition and link to website on the TBEWB website. Information about company and special acknowledgement will be made on the website.
- Display Table in Reception Area

Gold Level Sponsorship - $900
- Company logo displayed on signage at the event.
- Receives up to 5 tickets to the awards banquet.
- Has company logo displayed at Gold Sponsor level on event slideshow & program.
- Receives recognition and link to website on the TBEWB website.
- Display Table in Reception Area, (if space available)

Silver Level Sponsorship - $600
- Company logo displayed on signage at the event.
- Receives up to 2 tickets to the awards banquet.
- Has company logo displayed at Silver Sponsor level on event slideshow & program
- Receives recognition and link to website on the TBEWB website

Vendor Level Sponsorship - $400
- Receives display table to present company products during the Pre-Dinner Social.
- Receives recognition at Vendor level in program and on the TBEWB website
- Receives up to 2 tickets to the awards banquet

Donor Level Sponsorship - $200 or More
- Donor Level individual names will receive recognition at Donor Level on event slideshow, TBEWB website and signage at the event
- All Donations are greatly appreciated
- All individual donors will be listed in the program unless requested

Friends Level Sponsorship - $50 or More
- Friends Level individual names will receive recognition at Friends Level on event slideshow and will be listed in the program unless otherwise requested.

Speaker Sponsor - $1,500
- Speaker will join you at your Company Table for the event!
- Company logo displayed on signage at the event.
- Receives up to 10 tickets to the banquet.
- Company representative may participate in Lignell Award presentations.
- Recognized as Speaker Sponsor level in program and event slideshow (5 slides).
- Company Logo and link to website on the TBEWB website.
  Display Table in reception area.
TOUR FP&L’s DeSoto Next Generation Solar Energy Center

Date: Tuesday, March 10, 2015
Time: Registration: 11:00 A.M. Presentation & Tour: 11:30 A.M. - 2:00 P.M. (Includes lunch)
Cost: Student with ID $10, IEEE members $10, $20 Non-members
Speaker: FP&L Professional presenting proceeded by their observation deck to view entire site.
Location: FP&L DeSoto Next Generation Solar Center, 4051 NE Karson St., Arcadia FL 34266
RSVP: Online at: http://time2meet.com/fwcs-pes2/index.html
Make checks payable to IEEE FWCS and mail a check in advance to IEEE PE/IA Chapter Treasurer:
PES/IAS Chapter
2593 Forest Run Court
Clearwater, FL 33761-3716
Space limited to the first 25 registrants!!
Questions: Steve Antman at 813-523-3161 or steveantman@gmail.com

At Florida’s first-ever solar energy center, 90,500 solar panels move into position to catch the sun’s rays. The largest of its kind in the nation when it opened in 2009, this facility continues to serve customers using photovoltaic, or “PV,” technology – a process for converting sunshine directly into electricity for our customers. It works for you during the day, when the sun is not hiding behind clouds, producing about 52,000 MWh of electricity annually. That’s enough to power about 3,000 homes. The emissions-free center is estimated to help us eliminate nearly 37,000 metric tons of greenhouse gases each year and thousands of barrels of oil, making it a clean and energy independent way to bring you electricity

Come see the magic!

Coming from the north on US 17 they are about 1 mile south of the Hardee/DeSoto County line. When you turn onto Karson street, go to the end of the road and fork to the right, come in through the gate and follow the road to a second gate, toward the building. (It’s easy and you won’t miss it). There is no signage on US 17, so you do have to look for Karson St.

When you pull up to the gate, press the call button and they will be able to remotely open the gate.

Pictures will be allowed and for safety reasons, please wear closed toed shoes.
IEEE RAS Meeting

You are invited to the Monthly Meeting of the IEEE Florida West Coast Chapter of the (RAS) Robotics and Automation Society. It is every third Tuesday at 6:30pm at the location below under normal conditions.

Location: DeVry University at 5540 W. Executive Drive, Tampa, FL, 33609
Room: 210
Date: February 17 & March 17, 2015
Time: 6:30pm to 8:30pm

TOPICS: HOMEBREW RASPBERRY PI BY WILLIAM (BILL) WAGGENER over two meetings in February and March.

I will give an introductory overview with examples and I'll donate two Raspberry Pi kits to the USF students, challenging them to come back in March with one or more projects to demonstrate.

Bill Waggener, IEEE Member

Please join us for exciting evenings of discussions on local robotics and how we can help schools throughout the Florida West Coast

Submitted by Sean Denny

Advertising Section

Your advertisement here reaches over 2300 members in the local area!
February 2015 Calendar of Events (For more information see P. 1)  *inside this Signal...*

<table>
<thead>
<tr>
<th>Sunday</th>
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<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
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<tr>
<td></td>
<td></td>
<td>EXCOM Meeting, 5:30 TECO Plaza</td>
<td>4</td>
<td>5</td>
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*Power Transformer Overview Seminole Electric PES/IAS EXCOM Village Inn - 6am*  
*Tampa Bay Engineer Week Banquet A la Carte*