

IEEE Orlando Section Monthly

Vol. 46, No. 08 - September 2013



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IEEE Orlando Section Executive Committee Meeting

Date: Tuesday, September 3, 2013

Time: 6:30 - 7:00 pm - Social and Refreshments; 7:00 - 9:00 pm Executive Committee Meeting

Place: Orlando Business Development Center, District 2 (affiliated with the UCF and the S.B.A.) at 3218 East Colonial Drive, Suite #G, Orlando, FL 32802

Directions: In Herndon Plaza just east of Maguire Blvd. This is the shopping center across Colonial Drive from Fashion Square. It is on the west end of the building, around the building at the Southwest corner from the HH Gregg entrance.

Cost: Free to all IEEE members and Non-IEEE members

RSVP: mcorlovsky@ieee.org

Contact: Mike Orlovsky, mcorlovsky@ieee.org, tel. 410.979.0476 (Cell)

Website: www.ieee.org/orlando

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IEEE September Meeting with Sen Transformer

The Orlando IEEE PES/PELS/IAS chapter will be hosting a CEU approved event at OUC's Pershing facility. Dr. Sen is a distinguished IEEE PES lecturer, and an expert in the control of power flow. This is an event you don't want to miss. [Click here](#) - for all the details, also [click here](#) for the sub menu. Please make your sub orders to Dan Slack at: dslack@ouc.com

Website: www.ieee.org/orlando

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AESS Technical Talk: Aircraft Avionics Equipage for FAA NextGen Flight Control System**Presenter:** Ron T. Ogan, IEEE Senior Member IEEE Aerospace & Electronic Systems Society Board of Governors

Abstract: The Federal Aviation Administration (FAA) has authorized transformation of the United States Air Traffic Control System from a radar based technology to a system utilizing Global Positioning System (GPS) Technology over the time period 2013-2020 which will require all aircraft, commercial and general aviation, operating in controlled airspace to be in compliance on January 1, 2020. Current requirements for Automatic Dependent Surveillance – Broadcast (ADS-B) In are stated in AC 20-165, TSO-C154c and TSO-C166b. Aircraft transponders will be upgraded from Mode-C, radar based, to Mode-S, GPS based which will provide precise position, altitude, velocity, and flight direction. Aircraft equipped with ADS-B receivers and multi-function displays (referred to as "glass cockpit" equipment) will connect to ground stations to provide current weather and aircraft traffic graphically displayed for increased safety. The FAA Next Generation Air Transportation System is a transformative change in the management and operation of how we fly. NextGen enhances safety, reduces delays, saves fuel and reduces aviation's adverse environmental impact.

Date: Thursday, October 3, 2013**Time:** 6:30 - 7:00 pm - Social and Refreshments; 7:15 - 9:00 pm Presentation and Discussion**Place:** Orlando Business Development Center, District 2 (affiliated with the UCF and the S.B.A.) at 3218 East Colonial Drive, Suite #G, Orlando, FL 32802**Directions:** In Herndon Plaza just east of Maguire Blvd. This is the shopping center across Colonial Drive from Fashion Square. It is on the west end of the building, around the building at the Southwest corner from the HH Gregg entrance.**Cost:** Free to all IEEE members and Non-IEEE members**RSVP:** mcorlovsky@ieee.org**Contact:** Mike Orlovsky, mcorlovsky@ieee.org, tel. 410.979.0476 (Cell)**Website:** www.ieee.org/orlando[Back to top](#)**Senior Membership Elevation Drive****Date:** Wednesday, October 16, 2013**Time:** 5:30 - 7:00 pm**Place:** Nova Southeastern University - Orlando Student Educational Center, Room 300, 4850 Millennia Blvd., Orlando, FL 32839

Are you an IEEE member with at least 10 years of professional practice and at least five years of significant performance, and haven't applied for Senior Member elevation? Come join us at the IEEE Orlando Section Senior Membership Drive to learn about the Senior Member benefits and to start the elevation process. Please bring your IEEE membership number as well as a copies of your CV so that we can help elevate you to senior member.

Contact: For more information, contact Joe Juisai at +1 415 260-1980 (Cell) or Joe.Juisai@IEEE.org**Website:** www.ieee.org/orlando[Back to top](#)**VOLUNTEERS NEEDED**

The IEEE Senior Membership Elevation Drive seeks volunteers to assist with the senior membership elevation drive on Wednesday 16 October 2013. Those who are senior members or higher can assist with elevation recommendations, while those who are not can assist with logistics.

For more information, contact Joe Juisai at +1 415 260-1980 (Cell) or Joe.Juisai@IEEE.org[Back to top](#)**IEEE Orlando Section 2013 Annual Awards Banquet**

The annual Orlando Section IEEE awards banquet will be October 26th, 2013, a Saturday night. The venue will be the [Renaissance Inn](#) (the *Normandie* Suite) at 5445 Forbes Place (1/2 mile north of the airport, just off Hwy 436 or Semoran), Orlando, Florida, 32812, starting at 6:00 pm with dinner being served at 7:00 p.m. with meeting and awards immediately after. Appetizers and beverages will be served from 6:00 p.m. till 7:00 p.m. A Cash bar will also be available. All participants will receive free parking.

The fees for attendance will be as follows:

	If Purchased By 10/01/2013	After 10/01/2013
IEEE Member and Guest	\$25.00/person	\$35.00/person
IEEE Student Member and Guest	\$15.00/person	\$25.00/person
IEEE Life Member and Guest	\$15.00/person	\$25.00/person
Awards Winner and Guest	Free	Free
Student Scholarship Winner	Free	Free
Others	\$40.00/person	\$50.00/person

Deadline for all reservations is C.O.B. October 21, 2013. Please confirm your intent to attend, along with your desired main course (Chicken, London Broil or vegetarian) to: stanbuchanan@IEEE.org or lynguthre@aol.com.

The menu will include Fresh Greens, starch, desert and vegetable and main course choice of Grilled Chicken or London Broil

(vegetarian plates are available on request).

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MEMBER RECOGNITION: New Patent Granted to IEEE Orlando Section Member

Dr. Michael Hassan. IEEE Orlando Section PACE and Consultant Network Chair, was granted a new patent titled "Digital Communication Method and System" on Aug. 18, 2013.

The Orlando Section Monthly seeks member achievements: If an IEEE colleague received an award, promotion, appointment, or any other achievement, please inform The Orlando Section Monthly so it can run a notice in its monthly Member Recognition column. In addition to providing the member's name and membership number, please include a brief biography of the member's career and a description of the achievement. Send all notices to orlando@ieee.org

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5th Grade STEM ROCKS!

For the past year, the IEEE Orlando Section has sponsored a variety of hands-on 5th Grade STEM ROCKS! outreach workshops at Tildenville Elementary School and at Three Points Elementary School. At these events, IEEE Orlando Section members, IEEE Valencia College Student Chapter members, various other engineers and engineering and technology students from other local area colleges and universities all come together to encourage 5th grade students to build squishy circuits and squishy Aliens with light up eyes and spinning tails and flying saucer and fan snap circuits.

We also demonstrate the operation of a 12 V DC portable solar power system that is used to charge the batteries that power the circuits they build. We also discuss what types of careers might involve some of the technology that they were learning about that day. We always end our workshops encouraging these 5th graders to stay strong in their math and science subjects so that one day they could have an exciting career involving engineering and technology.

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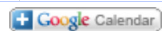
IEEE Orlando Section Calendar

IEEE Orlando Section Calendar

Today August 2013 Print Week Month Agenda

Sun	Mon	Tue	Wed	Thu	Fri	Sat
28	29	30	31	Aug 1	2	3
4	5 ExCom Meeting	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

Events shown in time zone: Eastern Time



Last Update: August 24, 2013