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**Orlando Section**

**Executive Committee Meeting**

**October 4, 2016**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **EXCOM Meeting Dates for 2016** | | | | | | | | | | | |
| JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| 12 | 9 | 1 | 12 | 10 | 14 | NM | 9 | 13 | 4 | 8 | 13 |

**Chair Call To Order -** Ravi Rajaravivarma at 19:00

**ExCom Member Attendees:** Ravi Rajaravivarma, Joseph Lias, Chris Nergard, Jorge Medina

**Location:** Valencia College - 1800 S. Kirkman Road, Orlando, FL 32811, West; Building 11, Room 106.

**Proxy Notifications**: Lynn Guthrie, Donghui Wu, David Flinchbaugh presented proxies to the Chair.

**Quorum** was tallied and achieved.

**Meeting Agenda**

Welcome vrajaravivarma@valenciacollege.edu Ravi Rajaravivarma

* The next meeting will be held Nov 8, 2016 Tuesday @ 7:00 PM at Golden Corral at 8032 International Drive, Orlando, FL 32819.
* Acknowledged proxy notifications.
* Attendee introductions.

Secretary – Open Items discussed JLias@ThorntonandLias.com Joseph Lias

* Section awards & banquet night – October 22nd at Valencia College – Building 8 @ 6:30pm. Planned speaker will be Butch Chadwell.
* Food arrangements for the awards banquet will be handled by TooJays Restaurant.

Secretary – Minutes Review JLias@ThorntonandLias.com Joseph Lias

* **Note:** Please provide monthly meeting reports via email no later than 1 week after the meeting. Otherwise the report will not get in the meeting notes for that month.
* September meeting minutes were reviewed, discussed and unanimously accepted with changes. Scott Clary made the motion and Joe Juisai 2nd

Treasurer cnergard@ieee.org Chris Nergard

I have not yet deposited the cash and check for the banquet tickets which equal a total of $165.

**September** **Financial Report:**

|  |  |  |
| --- | --- | --- |
| **IEEE CBRS Checking and Savings Account** | |  |
| IEEE CBRS Checking Account |  |  |
| Opening Balance | Oct.1, 2016 | $21,194.90 |
| Interest Income | Oct. 2016 | $5.58 |
| Checks Paid Out | Oct. 2016 | $1,910.52 |
| Credit Card Transactions | Oct. 2016 | $332.80 |
| IEEE Transfer |  | $0.00 |
| **Closing Balance** | Sept. 30, 2016 | $18,957.16 |
| **Long Term Savings** | Sept. 30, 2016 | $127,326.66 |

**CHAPTER REPORTS**

**AESS** (Aerospace and Electronics Systems ) **Chris Geiger**

**No update reported.**

**AP/MTT** (Antennas & Propagation/Microwave Theory & Techniques) **Michael Trampler**

**No update reported.**

**TEMS** **Mike Orlovsky**

Chapter will be scheduling two technical meetings to occur in the Fall 2016 timeframe. Preference is one in September and one in October. Desire will be to use room at Valencia College or DeVry University. TEMS makes several video tutorials available that would be of interest to the local IEEE section.

**C** (Computer) **Sumit Jha**

**No update reported.**

**CSP** (Communications/Signal Processing) **Lynn Guthrie**

**No update reported.**

**CPMT** (Components, Packaging, Manufacturing Technology) **Scott Clary**

The CPMT Chapter of the IEEE Orlando Section is planning to sponsor a technical meeting in conjunction with Sealing Devices, Inc. on EMI / EMC Design Basics and Fundamentals of EMI Shielding (see below for abstract and speaker biography) on Tuesday evening, November 08 (immediately preceding the ExCom meeting).  The exact time and location are still to be determined, and will depend on the level of interest in attending received.

**Abstract**: Effective EMI control comes down to suppression and containment.  In the drive for faster feature rich devices while balancing SWaP, which do you use?  Practical strategies utilize both - seminar topics include EMI/EMC design basics, fundamentals of EMI shielding and EMI/EMC mechanical design (including factors affecting the choice of EMI shielding materials for given application parameters).  From conductive flexible materials, coatings, to nano particles, hear what to consider when, see some of the latest EMI shielding materials and techniques, with practical examples, available for more effective package design to meet EMC requirements and avoid last minute issues in compliance testing.

**Speaker Bio**: Michael Moretti, BS, Industrial Engineering, University of Buffalo and BS, Business Admin, State University of New York, and Product Manager for EMI and Thermal management materials for Sealing Devices Inc., with over 15+ years of experience working with design engineers on effective EMI shielding solutions across multiple markets, combining engineering and business expertise to support customer projects/designs from concept through production while understanding quality, cost and schedule objectives. Through its Electronics Protection product lines Sealing Devices, Inc. is a leading provider of materials and components used in effective electronic package design including EMI, Thermal and Sealing performance."

For more information, please contact IEEE Orlando Section CPMT Chapter Chair Scott Clary at [scott.a.clary@lmco.com](mailto:scott.a.clary@lmco.com).

<https://www.sealingdevices.com/literature>

**Date:** Tuesday, November 8th 2016

**Time:** 6:00 pm - 7:00 pm

**Place:** Golden Corral at 8032 International Drive, Orlando, FL 32819.

**Food:** Provided courtesy of Sealing Devices, Inc

**CSRASMC** (Control Systems/Robotics & Automation/Systems, Man and Cybernetics) **Donghui Wu**

**ED** (Electron Devices) **Wei Liang**

**No update reported.**

**Photonics** **Shin-Tson Wu**

**No update reported.**

**PES/IAS/PELS** (Power Energy/Industry Applications/Power Electronics) **Simon Echeverry**

**No update reported.**

**Valencia Students Emanuel Montanez**

Valencia is planning a Physics “Haunted House” sponsored by STEM & IEEE on October 31st.

**Devry Students Robert Buckels**

**UCF Students Akash Jinandra**

* September 22 – IEEE/Texas Instruments joint workshop on IoT devices MSP432.
* September 28 – Introduction to Electronics workshop. Discussion on passive and active electronic devices.

Major Events planned for October:

* October 5 – Joint workshop with ASME on soldering. Teaching students to solder
* October 22 – IEEExtreme
* October 29 – Leadership Conference to be hosted at UCF.

**UCF Photonics Yuan Jiamin**

**No update reported.**

**AFFINITY GROUP REPORTS**

**CN (**Consultants Network) **open**

**Junior Past Chair Michael Orlovsky**

**No update reported.**

**Young Professional Affinity Group** **Xin Deng (Crystal)**

**No update reported.**

**Life Member** **David Flinchbaugh**

**No update reported.**

**WIE** (Women in Engineering) **Parveen Wahid**

WIE Affinity Group Meeting

Topic: Meeting: Meet, Greet and Plan

Date: Wednesday, November 16th 2016

Time: 5:30 pm to 7:00 pm

Place: HEC 101A, UCF campus

Contact: P. Wahid 407-823-2610

Website: [www.ieee.org/orlando](http://www.ieee.org/orlando)

**UCF Student WIE** UCF (Women in Engineering) **Maryory Urdaneta**

**No update reported.**

**COMMITTEE REPORTS**

**Awards** **Michael Orlovsky**

The following are remaining activities for the scholarships and awards to be awarded as part of the 2016 IEEE Orlando Section Star Search:

10/07 - Order Award Plaques

10/14 - Pick Up Completed Award Plaques

10/22 - Awards Ceremony

**Bylaws/Communications/Publications** **Jorge Medina**

Website communications update: <http://www.ewh.ieee.org/r3/orlando/2016/Oct/index.html>

**Bylaws/Operating Procedures:** I’m happy to report that on Sep. 28th Nichole Farmer, Program Manager - Operational Compliance - IEEE MGA notified me that she reviewed our operating procedures and the document is in compliance with the MGA Operations manual. She did request that after we have completed our review process please forward a copy of the final document to her.

Also,  on Sep. 29th, James M. Conrad, Region 3 director, perceived a difference between Section 3.3 and 3.5a.  Section 3.3 said elections are every 2 years, but then Section 3.5a says the term of office is Jan 1 to December 31 (without saying Dec 31 the next year). Section 3.3 was amended to say: Election of all officers shall take place every **year**. (See complete 3.3 paragraph below). Once this discrepancy was corrected. Region 3 director approved our operating procedures. Our Section Chair, Ravi Rajaravivarma, was copied on all these email exchanges.

**3.3       Qualification For Elected Officers**

All Elected Officers must be members of the Orlando Section at the time of nomination and must maintain an active membership status throughout the term of office.  They must be willing and able to serve in the capacity for which they are nominated. **Election of all officers shall take place every ~~two years~~ year. (Option allowed per MGAOM Section 9.4 F7)**

**Communications**: Our list of events for the month of October was submitted on September 28th  to:

* Orlando Tech Events
  + Twitter:  <http://orlando.techevents.us/events>
* IEEE Orlando Section:
  + Facebook:  <https://www.facebook.com/IEEEOrlandoSection>
* The Orlando Sentinel
  + Meeting notices were emailed to [businessevents@orlandosentinel.com](mailto:businessevents@orlandosentinel.com)

**Publications**:

* The October 2016 issue of the IEEE Orlando Section Monthly eNewletter went out to all ExCom members on September 28th  and to the entire membership on September 30th .
* September eNewletter statistics:
  + Mailed out:         1130 (61 do not want emails)
  + Bounces:             9

**Excomm Nominating Committee Scott Clary/Joe Jusai/Mike Orlovsky**

The IEEE Orlando Section Nominations Committee is currently seeking qualified candidates to be considered for positions on 2017 Section Executive Committee during the annual election. Nominations are now being accepted for the positions of Section Chair, Section Vice Chair, Section Secretary, and Section Treasurer. The term of service is one year beginning on January 01, 2017 and ending on December 31, 2017. See the IEEE Bylaws and IEEE Orlando Section Operating Procedures for more information regarding candidate requirements and position descriptions. Interested individuals should e-mail the Nominations Committee to schedule an information session and interview. For additional information please e-mail Scott Clary at [scott.a.clary@lmco.com](mailto:scott.a.clary@lmco.com).

**OLD/NEW BUSINESS**

**OLD BUSINESS:** Minutes from last month reviewed and approved with necessary changes.

**NEW BUSINESS:**

Rex Gibson is working with Scott Clary on presenting EMI challenges and solutions.

Joseph Lias participating as a reference for three Senior Membership elevations. Contact is Mauricio Cano, Membership Development Chair, IEEE Region 3.

**Elections**

As of Today, September 14, 2016, the following nominations have been received for the 2017 IEEE Orlando Section Executive Board:

**SECTION CHAIR**

1. Ravi Rajaravivarma (incumbent)

**SECTION VICE CHAIR**

1. Lynn Guthrie (incumbent)

**SECTION SECRETARY**

1. Genevieve Sapijaszko - Genevieve Sapijaszko is Professor in the college of Engineering Information Sciences at DeVry University. She has been a member of IEEE since 1992, in 1993 she was the student section chair at the University of Calgary in Alberta. She has been an IEEE senior member since 2012. She received a B.Sc. and M.S. degree in Electrical and Computer Engineering from the University of Calgary in Alberta in 1994, and 2000. She has worked at Volta as a hardware/software Engineer from 1996 to 2000 and worked at DeVry as a faculty since 1997. She was the associate Dean of Labs for one year in 2008-2009. She has authored 3 publications concerning education and digital signal processing.

**SECTION TREASURER**

1. Chris Nergard (incumbent)
2. Warren Macchi  - Warren Macchi has been involved in research and IEEE-related activities since receiving an NSF Fellowship during his Research Experience for Undergraduates work at the University of Central Florida in 1994. Through his research in Computer Vision and Computer Graphics he received a Master's in Computer Science from UCF and started a Modeling and Simulation company in 1999.  Abamis IT Solutions has been in operation ever since, providing a variety of computer technology solutions for simulation, 3D visualization, mobile, cloud web services, machine learning, and Internet of Things applications. As a representative of his company Warren has participated in several IEEE and SISO standardization processes since 1999. Warren is a regular participant at IEEE Orlando Section Executive Committee Meetings and became an IEEE Senior Member on July 2016.

The nominations were discussed and approved on September 14, 2016. The Nominations Committee is not anticipating any more nominations.  So, please consider this e-mail as the proposed “Official Slate of Candidates” for ratification by the Section ExCom.  In accordance with the “Sample Section Election Guidelines and Timeline,” the slate of candidates should be ratified by the ExCom, and an e-Notice slate must be distributed to the Section membership 6 weeks prior to election beginning (approximately December 01).

**ADJOURN: 2015 Hours**

**Attendee Addendum**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | ***First*** | ***Last*** | ***Affiliation*** | ***Email Address*** |
|  | Genevieve | Sapijaszko | IEEE member | [gsapijaszko@devry.edu](mailto:gsapijaszko@devry.edu) |
|  | Joseph | Lias | IEEE Member | [JLias@ThorntonandLias.com](mailto:JLias@ThorntonandLias.com) |
|  | Ravi | Rajaravivarma | IEEE Member | [vrajaravivarma@valenciacollege.edu](mailto:vrajaravivarma@valenciacollege.edu) |
|  | Evelina | Santana | IEEE member | [evelinasantana@knights.ucf.edu](mailto:evelinasantana@knights.ucf.edu) |
|  | Scott | Clary | IEEE Member | [Scott.a.clary@lmco.com](mailto:Scott.a.clary@lmco.com) |
|  | Chris | Nergard | IEEE Member | [cnergard@ieee.org](mailto:cnergard@ieee.org) |
|  | Joe | Juisai | IEEE Member | [Joe.Juisai@ieee.org](mailto:Joe.Juisai@ieee.org) |
|  | Akash | Jinandra | IEEE Member | [akashjinandra@knights.ucf.edu](mailto:akashjinandra@knights.ucf.edu) |
|  | Matthew | Lucente | IEEE UCF | [Lucente93@knights.ucf.edu](mailto:Lucente93@knights.ucf.edu) |
|  | Emanuel | Montanez | IEEE Member | [Emanuel.montanez.us@IEEE.Org](mailto:Emanuel.montanez.us@IEEE.Org) |
|  | Robert | Buckels | IEEE Member | [rbuckels@yahoo.com](mailto:rbuckels@yahoo.com) |
|  | Will | Maggio | IEEE Member | [willmaggio@bellsouth.net](mailto:willmaggio@bellsouth.net) |
|  | Sarah | Arndt | IEEE Member | [Sarndt2222@gmail.com](mailto:Sarndt2222@gmail.com) |
|  | Jorge | Medina | IEEE Member | [J.Medina@ieee.org](mailto:J.Medina@ieee.org) |
|  | Edward | Addy | IEEE Member | [Edward.addy@ngc.com](mailto:Edward.addy@ngc.com) |
|  | Masood | Ejaz | IEEE Member | [mejaz@valenciacollege.edu](mailto:mejaz@valenciacollege.edu) |
|  | Mike | Orlovsky | IEEE Member | [mcorlovsky@ieee.org](mailto:mcorlovsky@ieee.org) |

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| [IEEE](http://www.ieee.org/) | **Orlando Section Monthly** |

**Vol. 49, No. 09 – October 2016**

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### Section/Society Chapter/Affinity Group Events

* [Oct. 4 - IEEE Day by Orlando Section and Executive Committee Meeting](http://ewh.ieee.org/r3/orlando/2016/Oct/index.html#EXCOM)
* [Nov. 8 - CPMT Chapter Technical Meeting](http://ewh.ieee.org/r3/orlando/2016/Oct/index.html#CPMT)

### Section News

* [IEEE Orlando Section Call For Nominations](http://ewh.ieee.org/r3/orlando/2016/Sep/index.html#Nominations)
* [IEEE Orlando Section 2016 Star Search and Scholarship Awards - Applications due Sep. 15](http://ewh.ieee.org/r3/orlando/2016/Sep/Star%20Search%202016.html)

### Reports/Newsletters

* [IEEE Orlando Section Monthly - October 2016: HTML](http://www.ewh.ieee.org/r3/orlando/2016/Oct/index.html) - [PDF](http://www.ewh.ieee.org/r3/orlando/2016/Oct/IEEE_Orlando_Section_Monthly_Oct_2016.pdf)
* [IEEE Membership Development Report - August 2016](http://ewh.ieee.org/r3/orlando/2016/Oct/MD%20Monthly%20-%20Aug%202016.pdf)
* [IEEE Region 3 Newsletter](http://www.ewh.ieee.org/reg/3/)

### Member Recognition

* [IEEE Orlando Section Congratulates Our New Senior Members!](http://www.ewh.ieee.org/r3/orlando/2016/Oct/index.html#Senior%20Members)

### Other IEEE News/Events

* [Refer a Colleague, Get Great Merchandise](http://ieee.fluidsurveys.com/s/ieee-usa/)
* [IEEE Collabratec](http://ieee-collabratec.ieee.org/)
* [IEEE Member Discounts](http://www.ieee.org/discounts)
* [IEEE Member Benefits Bulletin](http://www.ieee.org/ns/mganet/mbb/0416_Benefits_Bulletin_R1-7.html)
* [SOCIETY SENTINEL](http://newsletters.ieee.org/volunteers/sentinel/)
* [The Institute Online](http://newsmanager.commpartners.com/ieeei/issues/2016-04-26-email.html)
* [IEEE USA Today's Engineer](http://www.todaysengineer.org/)
* [IEEE TA Spotlight](http://newsletters.ieee.org/society/MbrNltr)
* [Latest IEEE-USA E-Books’ Free Offerings to Members](http://shop.ieeeusa.org/usashop/product/views/76382)
* [IEEE MGA SCOOP NEWSLETTER](http://www.ieee.org/societies_communities/geo_activities/mga_news.html)
* [IEEE HISTORY CENTER NEWSLETTER](http://www.ieee.org/about/history_center/newsletter/ieee_history_center_newsletter_93.pdf)

**IEEE Day by Orlando Section and Executive Committee Meeting**

**Date:** Tuesday, October 4th 2016

**Time:** 6:30 pm - 7:00 pm: Social and Dinner; 7:00 - 8:00 pm: Executive Committee Meeting

**Place:** 1800 S. Kirkman Road, Orlando, FL 32811, Valencia College - West; Building 11, Room 106.

**Parking:** [click here for to see the Parking and Direction in the Campus Map](http://www.ewh.ieee.org/r3/orlando/2016/Oct/Valencia_Campus_Map_West.pdf)

**Note:** IEEE members will have the opportunity for elevation to senior membership at this meeting.

**Cost:** Meeting attendance is free to all IEEE members and Non-IEEE members.

**RSVP:** Ravi Rajaravivarma, [ravi.shrees@gmail.com](mailto:%20ravi.shrees@gmail.com), tel. 860-967-4845.

**Website:** [www.ieee.org/orlando](http://ewh.ieee.org/r3/orlando)

A non-profit organization, IEEE is the world's largest professional association for the advancement of technology.

### IEEE Orlando Section Call For Nominations

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**Nominating Committee:**

Scott Clary ([scott.a.clary@lmco.com](mailto:scott.a.clary@lmco.com))

Joe Jusai ([joe@juisai.name](mailto:joe@juisai.name))

Mike Orlovsky ([mcorlovsky@ieee.org](mailto:mcorlovsky@ieee.org))

### CPMT Chapter Technical Meeting

The CPMT Chapter of the IEEE Orlando Section is planning to sponsor a technical meeting in conjunction with Sealing Devices, Inc. on EMI / EMC Design Basics and Fundamentals of EMI Shielding (see below for abstract and speaker biography) on Tuesday evening, November 08 (immediately preceding the ExCom meeting). The exact time and location are still to be determined, and will depend on the level of interest in attending received.

**Abstract:** Effective EMI control comes down to suppression and containment. In the drive for faster feature rich devices while balancing SWaP, which do you use? Practical strategies utilize both - seminar topics include EMI/EMC design basics, fundamentals of EMI shielding and EMI/EMC mechanical design (including factors affecting the choice of EMI shielding materials for given application parameters). From conductive flexible materials, coatings, to nano particles, hear what to consider when, see some of the latest EMI shielding materials and techniques, with practical examples, available for more effective package design to meet EMC requirements and avoid last minute issues in compliance testing

**Speaker Bio:** Michael Moretti, BS, Industrial Engineering, University of Buffalo and BS, Business Admin, State University of New York. Product Manager for EMI and Thermal management materials for Sealing Devices Inc., with over 15+ years of experience working with design engineers on effective EMI shielding solutions across multiple markets, combining engineering and business expertise to support customer projects/designs from concept through production while understanding quality, cost and schedule objectives. Through its Electronics Protection product lines Sealing Devices, Inc. is a leading provider of materials and components used in effective electronic package design including EMI, Thermal and Sealing performance."

<https://www.sealingdevices.com/literature>

**Contact:** For more information, please contact IEEE Orlando Section CPMT Chapter Chair Scott Clary at [scott.a.clary@lmco.com](mailto:scott.a.clary@lmco.com). An official meeting announcement with a request to RSVP will be out soon once the details are finalized.

### IEEE Orlando Section Congratulates our New Senior Members!

The IEEE Orlando Section congratulates our new Senior Members:

**Gregory Rawlins**

**Kevin Sullivan**

The last A&A Review Panel meeting was held on 10 September in Hong Kong.

The next Senior Member Review Panel Meeting will be held on 19 November in New Brunswick, NJ.

For details on how to apply for IEEE Senior Member grade and view the 2016 review panel meeting dates, visit the [IEEE Senior Member homepage.](http://www.ieee.org/membership_services/membership/senior/index.html) For Senior Member inquiries, contact: [senior-member@ieee.org](mailto:senior-member@ieee.org)

**Helpful Senior Member web links**:

* [Senior Member Update](http://www.ieee.org/membership_services/membership/senior/new_senior_members.html)
* [Senior Member Application](https://www.ieee.org/membership_services/membership/senior/application/index.html)
* [Senior Member Reference Form](http://www.ieee.org/membership_services/membership/senior/faq_application_nomination_reference_form.html)
* [Senior Member Nomination Event Guide](http://www.ieee.org/membership_services/membership/senior/seniormember_elevation_toolkit.html)

**Identify members you wish to recruit for senior membership elevation:**

Volunteers with access to SAMIEEE can run a predefined query - Senior Member Upgrade - 1st Level Requirements.

* Click on Access [SAMIEEE](http://www.ieee.org/about/volunteers/samieee/samieee_preaccess_statement.html) (systems asks twice)
* Log in with IEEE username/password
* Click on catalog
* Double click on Shared Folder
* Click on SAMIEEE
* Click on Geographic Predefined Queries
* Click on (GEO) SM Upgrade - 1st Level Requirements

### [IEEE Member Discounts](http://www.ieee.org/membership_services/membership/discounts/index.html)

Do you know what the IEEE Member Discounts program does for IEEE members? Here are some important facts about this program:

* More than 70,000 IEEE members use at least one of the benefits in the Member Discounts program.
* Member Discounts products and services are supported by contracts between IEEE and providers, vetted by the professional staff and volunteers.\*\*
* Member Discounts help to support the personal and professional needs of IEEE members throughout their careers, and are portable when they change employers.
* Not all Member Discounts insurance plans and product discounts are available in every country; however, members can find many benefits available in a number of countries, with more being added each year. In fact, the insurance program now spans 84 countries!
* Member Discounts are promoted at no cost to any member and more than $5.3 million in annual non-dues revenue from these programs benefit members worldwide.

Discover what IEEE Member Discounts can offer you. The Member Discounts portfolio consists of insurance products and programs for the home, office and travel, all at excellent group rates and reduced pricing. Visit [IEEE Member Discounts](http://www.ieee.org/membership_services/membership/discounts/index.html) to see what’s available in your location and enjoy the savings.

\*\* We can assist with developing local benefits, too. Contact [L.Koblin@ieee.org](mailto:L.Koblin@ieee.org) for more information.