



# Region 3



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

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## *Engaging Each and Every Member*

We owe **many thanks** to **David Green**, the Past Region 3 Director. In addition to leading us in the region these past 2 years, Dave also faithfully executed his Board of Director responsibilities for IEEE (worldwide), the IEEE-USA Board of Directors, and the MGA Board of Directors. Further, he has held numerous positions on committees and work groups, such as IT, Strategy, Governance, and the IEEE Foundation. Dave continues to volunteer countless hours both in and outside our region. Please join me in thanking Director Green for his outstanding contributions!



*Mary Ellen Randall*  
**Director, Region 3**

Each New Year we start out with great expectations and excitement for what lies ahead. For IEEE Region 3, which encompasses the South East US and Jamaica, we have reason to be optimistic because we are blessed with many volunteers and members to help move us forward.

In early December, a small group of volunteers met to advise me on what direction is best for the region. The net of that meeting is that we should continue to engage members in a variety of ways, strive to be their professional home, and strengthen our community or network. To this end, we defined 3 new projects:

VIP – The VIP Project stands for Volunteer Integration Process. This project will define resources for new officers which will be automatically made available to them and their mentors. This will provide a more systematic approach for new officers and their mentors, helping them to maximize the use of their generously given volunteer hours to IEEE. This will be led by Jill Gostin, [jgostin@ieee.org](mailto:jgostin@ieee.org). For more information or to assist, please contact Jill.

First Year New Member Experience – New members sometimes quit after only 1 year with IEEE. This project will define recommendations for sections, chapters and other operational units of IEEE on how we can provide a more welcoming experience for new members. This will be led by Lee Stogner, who is also in charge of Member recruiting and recovery. For more information or to volunteer, please contact Lee, [l.stogner@ieee.org](mailto:l.stogner@ieee.org)

MOVE – Whenever a natural disaster strikes, many IEEE members wish they could go to

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help. It would be nice if IEEE volunteers could provide support which utilizes their special talents at such a time. IEEE volunteers have always been quick to rally around a meaningful project which helps others in ways our members are uniquely qualified to supply. When not in use for disasters, we plan to utilize MOVE to showcase technology to students.

The goal is to define and implement a Communications MOVE (MOBILE Vehicle for communications Exchange) which engages members, educates others, and builds STEM (Science, Technology, Engineering and Math) awareness. After first responders have stabilized the situation, MOVE will be a vehicle which is specially designed and equipped to provide communications to the general public when power and communications infrastructure are impacted by a natural disaster.

For more information or to volunteer, please contact Project Manager John Montague, [montague@ieee.org](mailto:montague@ieee.org).

This is by no means a complete list of all the effort undertaken to make your IEEE experience more meaningful. Later in this newsletter, you will find a list of Region volunteers and you will notice their responsibilities span the entire Institute. Please feel free to work with them and me to make this our best year yet!

To better meet your needs, you are invited to complete a short opinion survey on member engagement. It is quick, easy and anonymous. Thanks!  
<http://goo.gl/20een9>.



As always, I look forward to hearing from you and will do my best to serve you in the years ahead.

Respectfully submitted,  
Mary Ellen Randall  
Region 3 Director

## *Director-Elect Musings*

By Jim Conrad [[jimconrad@uncc.edu](mailto:jimconrad@uncc.edu)]

I would like to thank the region members for selecting me to serve them over the next six years in the succession of Director-elect, Director, and Past-director of IEEE Region 3. I have been asked to contribute to the Region newsletter, so for the first year I thought I would recount my experiences at IEEE meetings that I attend as a Director-elect.



My first experiences were this past November as a "Director-elect-elect", since Mary Ellen Randall was still the Region 3 Director-elect. The region has a tradition of having the Director-elect-elect become involved in the IEEE operation as soon as possible. I must admit, there will be quite a learning curve and I was appreciative of the opportunity to meet the current and future leadership as soon as possible. Of course, I could not pass up an all-expenses-paid trip to beautiful . . . . New Brunswick, NJ! I even had my first taste of snow for the season there.

The IEEE Meeting Series is held three times a year. These meetings bring together the IEEE directors for a board meeting, but it also has several other geographic and technical meetings all in one location. The meetings include volunteers and staff members. A decision was made recently to hold this series near IEEE headquarters twice a year in order to reduce costs (mostly to keep from needing hotel rooms and flights for the staff that assist at these meetings). The third meeting series is scheduled for Los Angeles this year and New Orleans next year. IEEE has contracted with several hotels for meetings as far as seven years out in order to obtain much better pricing for these meeting series.

There will be other teleconference meetings

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held throughout the year, but sometimes you must meet face-to-face to conduct business efficiently and effectively.

So, what actually goes on at these IEEE Meeting Series events? That is the subject of my next column in the next newsletter! In the meantime, feel free to contact me at [jmconrad@uncc.edu](mailto:jmconrad@uncc.edu) if you have any questions about or comment on IEEE.

### *Call for Nominations Region 3 Director-Elect 2016-17*

Help the nominations committee pick the leadership for the Region. The committee is soliciting your input. Qualifications for IEEE Region 3 Delegate/Director can be found at <http://goo.gl/PsvPjV>. Send your nomination to the Region 3 Nominations and Appointment Committee David Green [[d.green@ieee.org](mailto:d.green@ieee.org)].

### *2012-2013 in Review*

By David Green [[d.green@ieee.org](mailto:d.green@ieee.org)]

Past Region 3 Director

Every two years, we change Directors. Welcome to Director Mary Ellen Randall who will guide the Region (and IEEE) for the next two years. I hope she has all the help and support that I was given in 2012-3.



Reflecting back, the 2012-3 team accomplished a good number of things. As a philosophy, we felt the role of the Region was to:

- Represent the Region and its members to the global IEEE Communicate with local leaders -- make sure their voices were heard, provide them with insight of the larger IEEE and to provide help and resources to be effective;
- Promote member engagement and IEEE as the professional home for members of our technical community;
- Find and promote tools and practices for the local volunteer to be effective in helping members engage with IEEE, the profession, and the public;
- Engage the leadership of the local IEEE units in different ways than the "rank and file member";
- Supply motivation, resources, and

collaboration to promote an environment where necessary change can be embraced to meet challenges and increase the relevancy of IEEE in the lives of our present and future members.

The ExCom took responsibility for the Member Engagement and Life Cycle of the member. Director-Elect Mary Ellen Randall coordinated speakers at most meetings to show by example various approaches to member engagement. Presentations included STEM projects such as BEST Robotics, Section Social Events such as picnics, Senior Member Rodeos where senior members provided guidance to their colleagues on creating applications and obtaining references to obtain the Senior Member grade in IEEE, family technical meetings as well as several others.

The group has helped the selected local section host our regional conference SoutheastCon. The 2012 conference was in Orlando and the 2013 conference was in Jacksonville. Both conferences were successful from the participants' point of view and from a financial point of view. We have added an additional day for volunteers at the conference to increase training and face-to-face project work. A separate Region 3 Task Force began an examination of our conference operations and made some suggestions for improvements. The conference project teams is continuing to look at improving the volunteer and student portions of the event. We expect to see some of their results put into practice at SoutheastCon 2014 in Lexington.

Region 3 has been using electronic tools to increase the effectiveness of their collaborations for quite some time. We migrated our efforts to IEEE WebEx during these last two years. The Region ExCom met approximately 10 times a year using the tool and many section leaders chose to join us in these meetings. We greatly appreciate their active participation. Additionally, the Region hosted Region meetings, training webinars, and a large number of subcommittee work teams using this tool. Webinar topics included:

- Succession Planning,
- Use of the voting tool,
- Use of the financial tools, professional activities plans and opportunities as well as others.

The webinar topics were driven by survey responses from volunteer leaders.

We began to use Social Media although we are still in the process of figuring out how this will be most useful to IEEE members. We established blogs, Twitter, Google+, Google Calendar, and Facebook presences as well as used the existing IEEE tools. Additionally, the Eric Ackerman the Region 3 Webmaster gave the Region 3 web site a much deserved face-lift. Hopefully, feedback from our members will help drive future work here.

We also changed the staffing of a few of our committees to open things up a bit. The Strategic Planning Committee expanded its membership and the Region 3 N&A added the GOLD (now called Young Professional) coordinator to its membership.

While moving forward into new exciting times, we did spend some time in reflection. Region 3 continued its strong awards program recognizing outstanding individuals and organizations within Region 3. Charles Hickman updated our Region History document as well as established a practice of obtaining the oral histories from some of our past leaders. The oral histories were given to the IEEE Global History Network and are now on-line at <http://www.ieeeqhn.org>.

Sadly one of our ExCom members, George McClure, died during this time. George was serving the Region as Professional Activities Operations Chair and as a co-chair of SoutheastCon 2012 when he passed away unexpectedly. The IEEE-USA George F. McClure Citation of Honor was named in his honor. Three other past directors also passed way during this period: Jim Beall (1996-7), Sully Sullivan (1974-5), and Grover Dausman (1972-3). Their directorships are summarized in the Region 3 History document at <http://goo.gl/JFGp2r>.

## *Region 3 Student Activities Chair*

**Pat Donohoe** [[p.donohoe@ieee.org](mailto:p.donohoe@ieee.org)]

IEEE Student Branches in Region 3 should be making plans to attend SoutheastCon 2014 in Lexington, KY at the Griffin Gate Marriott Resort and Spa (13-16 March 2014). Students have the opportunity to attend technical presentations, view exhibits, network with professionals, participate in a student career fair, and engage in a variety of student competitions (paper competition, hardware competition, software competition, student branch website competition, ethics competition, and T-shirt competition). Student registration for SoutheastCon covers participation in all of these events. Note that, for planning purposes, participation in each student competition requires an online registration. More information about the SoutheastCon 2014 Student Program, including the student competitions and online registrations, can be found at the link below.



<http://ewh.ieee.org/reg/3/southeastcon2014/StudentProgram.html>

## *Section Professional Development Activities*

**John Montague** [[j.montague@computer.org](mailto:j.montague@computer.org)]

Now is the time to plan your Section's Professional Development Activities program for 2014. Each Section should strive to have a Professional Development oriented presentation at a Section meeting each quarter and at least one Professional Development Seminar each year.

So, what is meant by Professional Development? All things that make an IEEE member more efficient and successful that are outside the member's primary area of technical competence are Professional Development Activities. This includes activities that indirectly benefit the member such as taking on a leadership role in supporting K-12 STEM education or supporting Student Branches at local Universities; key to making these Professional Development Activities is the direct involvement of



members who thereby gain leadership and communications skills. Clearly events that teach project planning and management techniques; enhance business operations knowledge in areas such as budgeting, supply line management, operations management, and other departments outside the member's home department; and those that develop personal life management skills like retirement planning and financial management constitute Professional Development.

The Section PACE Chair (or the Section Chair in the absence of a designated PACE Chair) is responsible for determining the areas of interest of the Section's members and planning events that address the members' desires. If there is a Student Activities Committee and/or and Employment Committee established in the Section then they are a key component of the Professional Activities for Engineers Committee. Often a Section's Society Chapters or Affinity Groups (WIE, Life Members, Consultants) will sponsor a Professional Development event, particularly on topics that are hold special interest to the group's members. Since the Section's primary responsibility is to serve its members, and the Section PACE Committee is responsible for meeting those members expectations for Professional Development, it is a good idea to solicit member input of topics of interest through the Section newsletter, at Section meetings, and once a year through an e-notice to all Section members.

It is appropriate for a Section to devote a quarter or more of their annual budget to Professional Development Activities (including supporting a PACE Delegate's participation in the IEEE-USA Annual Meeting). Region 3 has a budget to help Sections which need financial support to enable holding Professional Development events of particular value to a substantial number of members. Most of this budget is underwritten by funds allocated to the Region by IEEE-USA (which imposes some restrictions on their use). Guidelines for Region support are that the Section's spending on the event (above and beyond all outside support and participant fees) may be matched, up to \$500 (\$200 in the case of a Student Professional Activities Conference, S-PAC); exceptions to the limit can be made for

events of particular value to members and that are certain to have more than 20 member participants. In 2013 IEEE-USA offered a limited number of \$1,500 Professional Development Incentive Grants, targeting events that needed first year support for recurring events that would become self-supporting; these may again be available in 2014.

One source of successful Professional Development Activities is the online vTools Meeting Report system, <https://meetings.vtools.ieee.org/main/login>. Log on with your IEEE account credentials, select "L31 Meeting Reports" tab near the top of the page, and then click "Search L31 Meeting Reports (across system)." On the Search form select Professional in the Event Category drop-down list, select 3 in the Region drop-down list, and choose Meeting Dates (recommend using the last 18 months), then click Submit. If you wish to narrow the result select a nearby Section from the Section list before submitting (you probably already know what your own section has done, nearby sections have probably used speakers who are close enough for you to afford to pay mileage).

To receive Region support for Professional Development Activities the Section PACE Chair must complete the Project Funding Request Form, <https://www.ieeeusa.org/volunteers/pace/funding.asp>, and obtain Region approval prior to the event (preferably prior to committing any spending for the event). It is recommended that the event be discussed with the Region Professional Activities Operations Committee, PAOC, early in the planning phase, and that the Project Funding Request be submitted for Region Director approval, through the PAOC Chair six weeks before the event. Recent experience is that one or more revisions are likely before the PAOC forwards the request to the Director. Generally approved requests will be paid in two amounts, expenses that are fixed before the event and expenses that vary with actual participation after the submission of the event final report. In all cases the submission of the event Final Report to the Region 3 PAOC Chair, and the recording of the event in vTools Meetings, is due within 20 days of the last event activity.

Each Section and Sub-Section in Region 3 is requested to submit a list of anticipated Professional Development Activities for 2014 to the Region PAOC Chair by Jan 31, 2014. For first quarter events there should be substantial detail (25-50 word description, target date, estimated cost, indication of intent to request Region funding assistance). The Section PACE Chair (or Section Chair) should plan on submitting a updated report 10 days before the end of each calendar quarter.

John Montague, IEEE Life Senior Member  
IEEE Region 3 Professional Activities  
Operations Committee, Chair  
IEEE-USA PACE Committee, Region 3  
Representative

### *Towards a more effective IEEE*

By David Green [[d.green@ieee.org](mailto:d.green@ieee.org)]

Past Region 3 Director

IEEE is a member organization. While IEEE has a highly capable paid staff, much of the value of IEEE comes from the members and others (who should be members). It is our professional organization and our contributions are vital to the health of the organization. That said, IEEE's value is multi-dimensional and not all members will contribute in the same manner. A goal of the volunteer leadership is to make sure that multiple opportunities exist so that each member has an opportunity for involvement in a way he/she feels is valuable to them as well as the profession and the public.



Leaders should be surveying their membership to determine interests and capabilities. Consider grouping the membership based on these results and ensuring activities that match up with these groups. Measure the results and seek to improve the match and effectiveness.

Members response to surveys is valuable. Consider volunteering to help with activities that match your interest. Even when you can not participate due to conflicts, make sure the leadership knows of your interest and potential future involvement.

If our leaders and members communicate, we

can adjust our programs and activities to improve their effectiveness and serve the membership, profession, and the public better. Look over some of the activities of others in this newsletter and posted on the web -- let your local leaders know how you would like to contribute. Your local IEEE's web site should be linked into this page:

<http://sites.ieee.org/local-sections-chapters/region-3/>

### *IEEE Orlando Section*

By Debbie Hall [[dhall@valenciacollege.edu](mailto:dhall@valenciacollege.edu)]

In order for the IEEE Orlando Section to engage each and every member, we have been trying a few different PACE related activities where we have invited the participation of our local area college level IEEE student chapter members at the University of Central Florida, at DeVry Institute, and at Valencia College as well as our local area IEEE professional members. Some of these activities involve holding guest engineering lecturers after our monthly IEEE Orlando Section Executive Committee meeting. We have also launched an IEEE advertising campaign on our local public radio station, WMFE, where the IEEE Orlando Section is now a monthly program sponsor. We have made sure to mention that the IEEE membership includes both industry professionals as well as academia along with the IEEE logo of "Advancing Technology for Humanity" which resonates well with other public radio program sponsors and listeners. Another type of activity where we are trying to engage each and every member (and future

See [Orlando](#), page 13



**SoutheastCon 2014**  
**March 13 - 16, 2014**  
**Lexington, Kentucky**



SoutheastCon is the annual IEEE Region 3 Technical, Professional, and Student Conference. It brings together Computer Scientists, Electrical, and Computer Engineering professionals, faculty and students to share the latest information through technical sessions, tutorials, and exhibits. It is the most influential conference in Region 3 for promoting awareness of the technical contributions made by our profession to the advancement of engineering science and to the community. As usual, attendance and technical program participation from areas outside IEEE Region 3 are encouraged and welcomed.

IEEE Student Branches in Region 3 should be making plans to attend **SoutheastCon 2014** in Lexington, KY at the Griffin Gate Marriott Resort and Spa (13-16 March 2014). Students have the opportunity to attend technical presentations, view exhibits, network with professionals, participate in a student career fair, and engage in a variety of student competitions (paper competition, hardware competition, software competition, student branch website competition, ethics competition, and T-shirt competition). Student registration for SoutheastCon covers participation in all of these events. Note that, for planning purposes, participation in each student competition requires an online registration. More information about the SoutheastCon 2014 Student Program including the student competitions and online registrations can be found at the link below.

#### Reasons to Attend:

- Peer reviewed technical program with interesting papers presented
- Student competitions: Robotics hardware, software, ethics, paper, and tee shirt
- Exhibitors, including recruiting booths for major employers
- Region 3 annual meeting
- Cypress Semiconductor Hack-a-thon

Members of the Region 3 Committee have a special registration rate of \$225. Section chairs and their representatives should register at this rate.

All registration rates will reset to higher rates on March 1.

Marriott Hotel registration should be done as soon as possible. Early rates start at \$135 per night for the rooms with one and two attendees. Other rates apply for the third and fourth attendees.

The Technical Program and student hardware practice begins at 8am Friday, March 14. The Technical Program ends at 5pm Saturday, March 15. All other meetings will continue until noon Sunday, March 16.

All registered students, paper presenters, and Region Committee members are invited to the Awards Banquet Saturday evening.

Lexington is a beautiful city with many local attractions for all ages. Tours may include: Toyota plant tour, bourbon trail tour, wine tasting tour, horse farm tour, etc. Special registration will apply to some of these tours as some are age sensitive.

Visit <http://www.ieeesoutheastcon.org> for more information.



*Engage IEEE members and make a difference at IEEE Sections Congress 2014 in Amsterdam, Netherlands (Holland)*

by Ron Ogan [[rtogan@ieee.org](mailto:rtogan@ieee.org)]

The theme of IEEE Sections Congress 2014 is "Inspiring Our Leaders of Tomorrow."

Sections Congress is a triennial gathering of IEEE grassroots leadership to:

- network with other Section leaders;
- attend training programs;
- develop recommendations to guide the future of IEEE.

This is my story about my recent travels with my wife, Sharon, to London, UK and to Amsterdam, NL during September 2013 on IEEE business and enjoyed a personal trip to see Stonehenge.

A late afternoon flight from Jackson, MS on Saturday 14 September provided an arrival in London about 1:00PM on Sunday afternoon. London hotels are expensive and the Mercure Bloomsbury hotel was no exception but it was only 6 blocks from University College London, so it was a convenient location.

Tuesday 17SEP, a brief meeting was held with Dr. Hugh Griffiths, AESS President, at his office on the University College London UCL campus, see Figure 1. Next was a lunch meeting at the St. Pancras Hotel (Figure 2) with John Roper, Trig Avionics, Edinburgh, Scotland who provided demonstration



Figure 1 Hugh Griffiths (I), Sharon and Ron Ogan



Figure 2 Sharon and Ron Ogan, Jon Roper (r)

hardware and information on FAA NextGen compliant avionics products that support Automatic Dependent Surveillance-Broadcast technology. The St. Pancras (Figure 3) was built around the rail station, the hotel looks like a fairy-tale castle straight out of Disney World. It opened in 1873 and was built in the Venetian Gothic style.



Figure3 St. Pancras Hotel, London, UK

An evening AESS presentation " FAA NextGen Air Traffic Control System" was given at UCL (Figure 4) noting that all flights bound for the United States after 1 January 2020 must comply with FAA regulations. Afterwards, Hugh, my wife, Sharon and I walked to the Jeremy Bentham Pub. Bentham (1748-1832) was a leading theorist in philosophy of law and a political radical. He requested that when he died his body be preserved and kept on





Figure 4 University College London

display. His body was preserved and is kept at the University College of London (UCL) in a wooden cabinet, modestly and precisely labeled "Jeremy Bentham." The body as such is not visible, since it is clothed and the head has been removed and replaced with a wax one. Pretty creepy if you ask me.

Wednesday 18SEP and Thursday, 19 SEP were spent in Southampton and Salisbury near Stonehenge. Stonehenge (figure 5) was completed about 3500 years ago but it was preceded by the first Stonehenge which was a large earthwork or Henge, comprised of a ditch, bank, and the Aubrey holes, all probably built around 3100 BC. The Aubrey holes are round pits in the soil about 3 feet wide and deep, with steep sides and flat bottoms. They form a circle about 284 feet in diameter.

There are over 200 AESS members in the



Figure 5 Stonehenge

United Kingdom with 14 members living within 50 miles of London and there are 14 AESS members who live within 50 miles of Southampton . John Guy, former NATS engineer and University College London instructor now lives near Southampton and he provided details about the area including the nearby Stonehenge which is located near Salisbury.

Travel on Friday 20SEP, included a return from Southampton to the London Waterloo station, underground (subway) to Heathrow Airport, a flight to Amsterdam, Netherlands and a shuttle to the Wyndham Hotel (Figure 6) which near the location for the IEEE Sections Congress meeting at the RAI Convention Center. Amsterdam has a great Metro rail system that operates above ground due to the high water table in the Netherlands. Several hotels were surveyed and proposals were received prior to the Amsterdam visit. The Wyndham Apollo Hotel was selected based upon the meeting facilities and location of 1.8 kilometers ( about a mile) from the RAI Convention Center.



Figure 6 Wyndham Apollo Hotel, Amsterdam, NL

The biggest danger in Amsterdam is getting run over by a car, or more likely, by a bicycle. Amsterdam was founded as a fishing village in the late 12th century. The historic canal district is on the UNESCO world heritage list.

The impressive 17<sup>th</sup> century Royal Palace is in Dam Square. The Dam was created in the 13<sup>th</sup> century when a dam was built around the Amstel River to keep the sea from inundating the city. The Skinny Bridge crosses the

Amstel River, see Figure 7. It is an Old Dutch design wooden bridge known as a double-swipe (balanced) bridge. The current bridge



Figure 7 Amsterdam Houses

was built in 1934. The original one was built in 1691 and was so narrow that 2 people had trouble passing each other.

The houses (Figure 8) in Old Amsterdam are so narrow because lots sold by the city during the early days of Amsterdam were only 5.5 meters (about 18 feet) wide. The houses built then are supported by 36 foot tall wooden pilings sunk into the soil. As long as these piling stay submerged in water they will not rot because they have no contact with the air. Some of the houses are leaning because not enough pilings were used for support. Modern houses are supported by concrete piling.



Figure 8 Amstel Bridge, Amsterdam, NL

## Congressional Visits Day

John Montague [[j.montague@computer.org](mailto:j.montague@computer.org)]

IEEE-USA's annual Congressional Visits Day (CVD) will be held on March 25 & 26 this year. This event offers all IEEE members a chance to talk directly with your members of Congress to discuss the importance of federally-supported research and development to our profession.

This year's event takes on even more importance than usual, given the current budget realities in Washington. With the budgets of all federal programs being squeezed, it will be far too easy for Congress to cut support for basic research, the national labs, universities and other programs that directly support innovation. R&D has a long pay-off horizon and only narrow support with the general public - making it an easy target for cuts.

Our legislators need to be reminded of the important role basic research plays in our country's long-term economic growth, and the benefits this research produces for society.

All IEEE members are encouraged to find some time to join IEEE-USA on March 25 & 26 to make sure our legislators know how important these programs are. Section Executive Committees are urged to make travel funding available to interested members; this event requires two full days participation in Washington D.C. starting with a mandatory training session on the morning of March 25 so it is likely necessary for participants to travel on March 24. For more information, contact IEEE-USA staffer Russ Harrison at [r.t.harrison@ieee.org](mailto:r.t.harrison@ieee.org).

If you plan to participate please keep the IEEE Region 3 Professional Activities Operations Committee informed by sharing your intentions, and registration, with John Montague ([montague@ieee.org](mailto:montague@ieee.org)), PAOC Chair.





# Call for Papers



The banner features a central graphic of a hand holding a globe with a network of lines and nodes, symbolizing global connectivity. To the right, the text reads: "2014 IEEE GLOBAL HUMANITARIAN TECHNOLOGY CONFERENCE (GHTC) October 10 - 13, 2014 | Silicon Valley / San Jose, California USA". Below this is a collage of images showing people in various settings, including a classroom and a community meeting. The IEEE logo and tagline "Advancing Technology for Humanity" are on the right, and the website "www.ieeeghtc.org" is at the bottom right. The slogan "Technology for the Benefit of Humanity" is at the bottom center.

## Abstracts Due March 31, 2014

The Global Humanitarian Technology Conference (GHTC) is the flagship IEEE conference for presenting, discussing, and developing technological solutions to global humanitarian challenges. GHTC attracts presenters and attendees who work to meet the needs of populations affected by poverty, disaster, conflict, environmental change, and other impacts resulting in their needs being unmet or underserved.

The technical focus of the Conference is complemented by an integrated understanding of broader contexts—economics, policy, culture, environment—to create and promote sustainable holistic solutions. GHTC welcomes participation by individuals and organizations from technical and non-technical backgrounds, including engineers, scientists, academics, small-businesses, corporations, philanthropists, foundations, and government and non-government organizations.

The Conference theme of *"Technology for the Benefit of Humanity"* is presented in five tracks:

1. **Energy:** infrastructure and off-grid power, renewable, transportation, lighting, cooking & heating
2. **Health:** medical technology, telemedicine, mobile care, primary care
3. **Disaster, connectivity, and communication:** disaster warning & avoidance, disaster response, disaster management, networks, remote communication, communication technologies
4. **Humanitarian challenges and opportunities:** education, housing, supply chain & distribution, business development
5. **Water and agriculture:** clean water, sanitation, irrigation, farming practices & agricultural technologies

**Submission Schedule:** Authors may submit content in the form of a technical paper, a lightning talk, a poster, or a special session such as a panel or workshop. All submissions require an abstract, draft, and final submission. Key dates include:

<b>March 31</b>	Abstract submission
<b>May 27</b>	Draft submission for review
<b>July 18</b>	Final submission for review
<b>August 21</b>	Final revised submission (if required)

More information on sessions, submission requirements and deadlines, registration for the conference, hotel reservations and exhibiting is available on the GHTC website [www.ieeeghtc.org](http://www.ieeeghtc.org). Please note:

- At least one author of the submission must attend and present at the Conference
- All submissions must be posted online at [www.ieeeghtc.org/author-central](http://www.ieeeghtc.org/author-central)
- All submissions must follow content & length guidelines available at [www.ieeeghtc.org/author-central](http://www.ieeeghtc.org/author-central)
- Necessary revisions must be completed before final acceptance
- Notification of acceptance or rejection will be sent via email
- International attendees are responsible for obtaining the proper Visas

Accepted papers will be published and included in IEEE Xplore. Accepted presentations will be posted on the GHTC website with the author's consent. Electronic media containing all accepted GHTC abstracts and papers will be distributed to registered attendees.





## *IEEE Orlando...*

members) involves conducting STEAM (Science, Technology, Engineering, Art, and Math) Rocks! hands-on workshops for local area 5<sup>th</sup> grade and 6<sup>th</sup> grade students. Within these hands-on workshops, we bring together our local area engineering college students and industry professionals to volunteer side by side as they help to get 5<sup>th</sup> and 6<sup>th</sup> graders (our future engineers!) excited about pursuing STEAM related careers. The basic message that we try to weave throughout these workshops is that technology definitely helps to better our world and that you have to be creative and think outside of the box in order to be an engineer. We also make sure to end our workshops with some positive encouragement for these 5<sup>th</sup> and 6<sup>th</sup> graders to stay strong in their math and science courses so that they one day can have an exciting STEAM related career!

What exciting opportunities lie ahead for the IEEE Orlando Section to engage each and every one of our members!

One of the IEEE Orlando Section's newest endeavors for 2014 involves partnering with our local area IEEE student chapters, our industry and academia professionals, and a local non-profit organization called "Give Kids the World" (GKTW) Village and the GKTW Engineering Advisory Council. GKTW offers children who have life threatening illnesses to bring their families to enjoy an all-expense paid holiday along with tickets to various local area theme parks within Central Florida. These families stay in their own villas at the GKTW Village and have meals at such places as the "Gingerbread House" or the "Ice Cream Palace" (after all, what child would not want ice cream for breakfast?!?). GKTW has various light and show control interactive activities, theatrical shows, and ride attractions for the children that often require technical maintenance and redesign. This is where our local Central Florida IEEE student chapters and the IEEE Orlando Section come into play. GKTW would like to provide a specific hands-on technical project to each IEEE Student Chapter to redesign and install with the help of the IEEE Orlando Section members to mentor and fund any necessary parts for their project redesign.

Another of the IEEE Orlando Section's newest endeavors for 2014 involves partnering with the IEEE Valencia College Student Chapter in order to hold an S-PAVe about Engineering Ethics from 10 AM to 4 PM on both Saturday, January 25<sup>th</sup>, and Saturday, February 22<sup>nd</sup>. IEEE Valencia College Student Chapter plans to invite the FES Valencia Student Chapter members to participate as well as other Region 3 IEEE student chapters. This Engineering Ethics workshop will involve guest engineering speakers and student team activities in order to help prepare our IEEE student chapter members for the upcoming Student Ethics Competition in March at the IEEE SoutheastCon 2014 in Lexington, Kentucky. For more details about registering for this particular Engineering Ethics S-PAVe, please click on the link below:

<http://ewh.ieee.org/sb/orlando/valencia/>



# NEW FOR 2014: REFER A MEMBER, RECEIVE IEEE MERCHANDISE

## Special Program for US Members—Give a Reward, Get a Reward

**Now extended through February 28th, 2014,** IEEE Membership and IEEE-USA are running a special offer for US members.

Refer a colleague to IEEE and for every new member recruited to join:

- ◆ **You** will receive your **choice of an IEEE-branded gift item.**
- ◆ **Your referral** will receive a **\$25 discount** off their first year membership.
- ◆ There is **no limit** to the number of new members you can refer or gift items you can receive.
- ◆ All existing Member-Get-a-Member incentives will still apply.

### **How it works**

- ◆ Refer your colleague via the online form at:  
<http://ieee.fluidsurveys.com/s/ieee-usa/>
- ◆ Your referral will receive an email inviting to them join IEEE at a \$25 discount off their first-year membership dues
- ◆ Your referral will provide your IEEE member number as they join.
- ◆ Within 3-4 weeks after your referral joins, you will receive an e-mail confirming your recruiting success, including a link which allows you to select your IEEE-USA merchandise item
- ◆ You will receive a separate e-mail for each new member.

Please help spread the word and share your IEEE experience—no one knows better than you how beneficial IEEE membership is.

**Refer your friends and colleagues today!**

See samples of some of the items that will be offered on reverse side.

Examples of some of the branded gift items that will be offered include:

- Laptop backpack • Cinch-top backpack • Roller Ball Pen • Combo Tablet/Smart Phone Case • Mechanical Pen & Pencil Set • Rechargeable Bluetooth Speaker • Portable USB Speaker • Baseball Cap • Universal AC/USB Travel Charger Kit • Golf Balls • Dual-Powered Solar/USB Portable Battery Charger

Not Pictured: Golf Umbrella • Insulated Travel Mug



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## IEEE Region 3 Executive Committee – 2014

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*Mary Ellen Randall*

Director Elect  
*Jim Conrad*

Secretary  
*Gregg L. Vaughn, Ph.D., P.E.*

Treasurer  
*Donald W. Hill*

Past Director  
*David G. Green*

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*Sean Haynes*

Area 2 North Carolina Council  
*Paul Goodson*

Area 3 Georgia  
*William Marshall*

Area 4 Florida Council  
*Jim Anderson*

Area 5 Tennessee Council  
*Tim Bigelow*

Area 6 Alabama/Mississippi  
*Mark Torres*

Area 7 South Carolina Council  
*Steve Carroll*

Area 8 Kentucky & Indiana  
*Anthony Richardson*

Area 9 Jamaica  
*Daniel Tulloch-Reid*

### **Awards and Recognition Committee**

Awards and Recognition Chair  
*Jill Gostin*

### **Communications (MGA-IMC) Committee**

Communications (MGA-IMC) Chair  
*Eric S. Ackerman, Ph.D.*

Automated Tools (ECSC)  
*Bill Tiedemann*

Newsletter Editor  
*William LaBelle*

Public Information  
*Jim Anderson*

Webmaster  
*Eric S. Ackerman, Ph.D.*

### **Conference Committee**

Conference Committee Chair  
*Chris Hardy*

Past Conference Committee Chair  
*Sean Haynes*

Regional Student Activities Chair  
*Pat Donohoe, Ph.D.*

Former Region Delegate-Director Mentor  
*Butch Shadwell*

SoutheastCon2013  
*Butch Shadwell*

SoutheastCon2014  
*Don Hill*

SoutheastCon2015  
*Eric S. Ackerman, Ph.D.*

### **Educational Activities**

*James Howard*

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Finance (FINCOM) Committee Chair  
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Leadership Development and Regional Support Chair  
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Regional Support / VIP Project  
*Jill Gostin*

Leadership Development Training Chair  
*William Ratcliff*

Section / Chapter Rejuvenation Coordinator  
*Butch Shadwell*

Sections Congress Coordinator  
*Chris Hardy*

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Member Engagement and Life Cycle Chair  
*Jennifer Ammentorp*

Young Professional Representative  
*Forrest Sluter*

Industrial Relations Coordinator  
*Bill Williams*

Life Member Coordinator  
*Charles Husbands*

Membership Recruiting and Recovery  
*Lee Stogner*

Women in Engineering Liaison  
*Cathy Freeman*

### **Nominations and Appointments**

*David Green*

### **Student Activities Committee**

Student Activities Chair  
*Pat Donohoe, Ph.D.*

Student Representative  
*Joshua Shank*

S-PAC Coordinator  
*Mary Lynn Smith*



## IEEE Region 3 Executive Committee – 2014 (cont.)

### Professional Activities Operation (USA-PACE) Committee

Professional Activities Operation (USA-PACE) Committee Chair  
*John Montague*

Career Enhancement / Jobs Board Committee Chair  
*Bill Williams*

Educational Activities Liaison  
*Jim Howard*

Employment & Career Services Coordinator (USA-ECSC)  
*Ed Kirchner*

PACE Chair  
*John Montague*

IEEE-USA K-12 STEM Literacy Committee Representative  
*Matthew Iglesias*

S-PAC Coordinator  
*Mary Lynn Smith*

### Strategic Planning Committee

Strategic Planning Chair  
*William Ratcliff*

History Chair  
*Charles Hickman*

Special Review Chair  
*William Harrison*

### Tellers Committee

Tellers Committee Chair  
*Gregg Vaughn*

### IEEE-USA Policy Committees

IEEE-USA Policy Committees Chair  
*Jim Howard*

Medical Technical Policy Committees  
*William Harrison*  
*Bill Williams*

Energy Policy Committee  
*Butch Shadwell*  
*Thomas Bellarmine*

Research and Development Policy Committee  
*Butch Shadwell*  
*Lee Stogner*

Career and Workforce Policy Committee  
*Lee Stogner*

Intellectual Property Committee  
*David Flinchbaugh*

Communications Policy Committee  
*Tom Weldon*

Transportation and Aerospace Policy Committee  
*Mike Orlovsky*

Government Relations Activities (USA-GAC)  
*Lee Stogner*

### Project Chairs

R3 MOVE Project Chair  
*John Montague*

1st Year Member Experience Project Chair  
*Lee Stogner*

VIP Project Chair  
*Jill Gostin*

To contact any of the above members, please go to this website  
<http://ewh.ieee.org/reg/3/comp.html>

Other Region 3 Address:

R3 Web Site: <http://ewh.ieee.org/reg/3>

Facebook: Search for "IEEE Region 3"

Blog: <http://ieeer3.blogspot.com>

Twitter: r3ieee

Calendar: [r3ieee@gmail.com](mailto:r3ieee@gmail.com) (Region 3 planned meetings)

Calendar: <https://meetings.vtools.ieee.org/meetings/ical/0/90/asc/3>

(all meetings in Region 3 in vTools)

R3 Online Community: <https://region3.oc.ieee.org> (uses IEEE Credentials)

## Region 3 Shines at the IEEE-USA Awards Show!

Dr. Jim Anderson [[jim.anderson@ieee.org](mailto:jim.anderson@ieee.org)]  
Public Information Chair

At this year's IEEE-USA awards show, once again the best-of-the-best from the ranks of the IEEE were honored with a number of different awards. What made this year's celebration unique and different was that Region 3 virtually took over the awards show with an amazing three members being presented with awards at the show.



Charles R. Husbands received one of the three IEEE-USA regional professional leadership awards. Charles got his award for development of the Small Radio Telescope Project at the Daytona Museum of Arts and Sciences.

Dr. Jim Anderson was awarded the IEEE-USAs award for regional professional leadership. Dr. Anderson received this award for presenting numerous PACE seminars on professional development to Region 3 members.

Finally, but by no means lastly, David C. Schoggen was also the recipient of the IEEE-USA's regional professional leadership award. David received his award for presenting professional development seminars throughout Mississippi.



Pictured are: Daniel P. Cowan—Region 5, Bernard T. Sander—Region 4, David C. Schoggen—Region 3, Charles R. Husbands—Region 3, Dr. Jim Anderson—Region 3, and Robert Vice—Region 1.

## IEEE-USA 2014 Annual Meeting

INNOTECH 2014 and the IEEE-USA Annual Meeting will be held in Providence, RI, May 15-18, 2014. The Annual Meeting is an opportunity for Section Professional Development volunteers to learn more about the PACE Network and tools available to them. Also, it's a great opportunity for expanding your IEEE network as hundreds of highly engaged IEEE volunteers attend. Each Section should send a PACE Delegate to the Annual Meeting, and should consider funding their delegate for the additional night's lodging (5/15) needed to participate in Innovations in Technology Conference.

INNOTEK Technical Topics to include:

- Agile Manufacturing
- Biomedical Innovation
- Defense and National Security
- Educational Innovation
- Energy Conversion and Distribution
- Marine and Ocean Technology

More information available at the registration site <http://sites.ieee.org/innotec>, updated frequently. Note, there is still time to submit papers for presentation at INNOTEK (deadlines on web site).

Budget \$550 for registration (INNOTEK is included in Annual Meeting registration) and \$150 per night for lodging in addition to transportation costs from you locale. Some travel cost assistance to Sections sending a PACE Delegate will be available from Region 3 (amount TBD but likely somewhat less than the registration fee). Assistance preference will be given to Sections sending a first-time attendee who is their PACE Chair of an active member of their Professional Activities Committee; Sections fully funding a second participant will also receive preference. Keep an eye on the web site (above) for opening of registration and make travel plans early to get favorable air fares (there will likely be discount codes for several airlines available on the registration site when registration opens). Make your hotel reservation early to ensure getting a room at the conference hotel.

An announcement will be sent to all Section Chairs and Section Professional Activities Committee Chairs (as determined from SAMIEEE so make sure your Section Officer

Report is up-to-date through vTools), as soon as the travel assistance amount is established, detailing how to apply for travel funding assistance.

John Montague, IEEE Life Senior Member  
IEEE Region 3 Professional Activities  
Operations Committee, Chair  
IEEE-USA PACE Committee, Region 3  
representative  
INNOTEK2014 Committee, member  
montague@ieee.org

### *2014 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting*

The 2014 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting will be held jointly July 6–12, 2014, at the Memphis Convention Center in Memphis, Tennessee, USA. The symposium and meeting are cosponsored by the IEEE Antennas and Propagation Society (AP-S) and the U.S. Committee of the International Union of Radio Science (USNC-URSI) Commissions A, B, C, D, E, F, G, and K. The joint meeting is intended to provide an international forum for the exchange of information on state-of-the-art research in antennas, propagation, electromagnetics, and radio science. For more information, please visit the meeting website at [www.2014apsursi.org](http://www.2014apsursi.org)

### *Humanitarian Mobile App Competition*

IEEE-USA will be launching a humanitarian mobile app competition during Engineers Week (16-22 February) to benefit people in developing countries. The contest is part of a larger effort - known as App-E-Feat - developed by IEEE as part of its commitment to the Clinton Global Initiative. As a CGI member, IEEE is pledging to connect engineers and other technology professionals with organizations to develop mobile applications that further humanitarian and environmental efforts around the world.

In the contest portion of App-E-Feat, entrants are asked to conceive and - if you have the know-how - develop an app that would serve a humanitarian cause. For example, something that facilitates medical care, provides tips on increasing food production or lets fishermen know where they can get the best price for their catch.

The contest will begin on 18 February and end on 19 May 2014.



## 2014 Conferences in Region 3

*2014 IEEE 20th International Symposium on High Performance Computer Architecture (HPCA)*

<http://hpca20.ece.ufl.edu/>

February 15-19, 2014

Location: TBD

Tao Li

Computer Society (C)

Orlando, FL

[taoli@ece.ufl.edu](mailto:taoli@ece.ufl.edu)

+1 352 392 9510

*2014 Clemson University Power Systems Conference (PSC)*

<http://psc.rtpis.org>

March 11-14, 2014

Madren Conference Center

G Kumar Veneyagamoorthy

IEEE Power & Energy Society

Clemson, SC

[gkumar@ieee.org](mailto:gkumar@ieee.org)

+1 573 797 0225 / +1 864 656 5936

**SoutheastCon 2014** <http://www.southeastcon.com>

March 13-16, 2014

Marriott Hotel

Don Hill

Region 3 and Lexington Section

Lexington, KY

[dhill@uky.edu](mailto:dhill@uky.edu)

+1 859 327 2810