

Region 3



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

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Hi! It's a new year and the start of my two-year term as IEEE Region 3 Director. The director has responsibilities both inside Region 3 as well as at the IEEE-USA and international levels of IEEE. I will be focusing this article on IEEE Region 3 (Southeast United States and Jamaica) activities and plans. I have the good fortune of having a great team of individuals who have agreed to serve with me on the Region 3 Executive Committee and its associated committees. You can see their names on another page of this newsletter.

Over the next two years, I intend to focus the Region 3 ExCom and associated committees on enabling you to engage with IEEE as described below through your section, chapters, and other local

organizations in whichever ways are useful and rewarding to you. I believe that with the strength of all our actions related to IEEE, we will make a difference in many ways and improve our communities, our profession and ourselves.

Many of the important IEEE activities have a local basis or need local participation. The front line IEEE organization for you to organize under and participate is your section, affinity group, technical chapter, student branch, or student branch chapter. These local groups are led by volunteers in your community who are committed to IEEE and are available to collaborate with you on IEEE related activities of mutual interest.

The Region 3 volunteers will support these local volunteers and facilitate training, tools, and collaboration between different local groups across the region whose members' interest match up. We will anticipate some of these needs and proactively learn of

others. Our team has a great deal of experience in organizing and supporting local operations. We also have new team members to help us stay fresh and challenge the status quo. We look forward to working with the local volunteers who are working with you.

IEEE is, for me and many others, a professional home. It provides opportunities, services, and resources. It provides a vehicle by which I can contribute to the technical and well being of my profession. As I review the things that are done by members in our many sections and other units, I find a pretty impressive See Director Region 3, page 2

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Spring 2012



David Green Director, Region 3

Director Region 3 ...

list including:

- * Learning and practicing soft skills
- Producing/presenting professional and technical programs for our colleagues
- Supporting our local, state, and national governments as they deal with technology and technical professional employment issues
- Leading study group studying a new topic or book
- Volunteering in Science, Technology, Engineering, and Math (STEM) programs at local schools
- * Reviewing papers for a prize paper contest or a local conference
- Helping with local arrangements for a chapter meeting or social
- Mentoring students design their robotics entry
- * Judging science fair projects
- Mentoring a new GOLD (Graduate Of the Past Decade) colleague
- Seeking mentoring from a GOLD colleague
- Learning how 4G services operate by at a section meeting
- Sharing smart phone usage ideas with other members at a meeting

Across our many sections and other local units, we have many activities going on. Are you involved? Do you see something that interests you that fulfills either a growth need, or allows you to contribute or give back to our profession?

It is easy (and we will be trying to make even easier) to find local IEEE resources. Today, you can search for "IEEE Region 3" on Facebook and on our group page see links to our web site (<u>http://ewh.ieee.org/</u> <u>reg/3</u>) as well as to the a page (<u>http://</u> <u>ewh.ieee.org/reg/3/local</u>) with listing the local organizations in Region 3. Please visit the web resources of the local organization to find out

- what is already going on that you can plug into, and
- who the present volunteer leaders are that can help you start new activities that are mutually beneficial.

Before my closing, I want to congratulate Lee Stogner for a successful two years as Region 3 Director. He joins a distinguished club of past directors who continue to help in Region 3 activities. Very short term, he is very active in the Electric Vehicle Conference discussed elsewhere in this issue as well as serving in other roles in IEEE and IEEE-USA. I look forward to Lee's further contribution but let's all thank him for his commitment and contribution to us, the Region, and IEEE during his 2010–2011 term as Region 3 Director.

Finally, I hope you will join me in thanking the many volunteer leaders in our Sections, Chapters, Affinity Groups, Student Branches, and Student Branch Chapters who have given of their time, energy, ingenuity, and other resources for our 2011 IEEE local programs and activities. Please consider giving this 'thank you' in person next time you see them.

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This IEEE Region 3 Newsletter is sent to the members of Region 3. The information herein may be used in section and chapter newsletters. The opinions expressed, as well as the technical accuracy of authors, advertisers, or speakers published in this newsletter are those of the individual authors, advertisers, and speakers. Therefore, no endorsement by the IEEE, its officers, or its members is made or implied.

Director-Elect Mary Ellen Randall [mer1@ascottechnologies.com] Region 3 Director-Elect

As the New Year starts, it is exciting to see all the preparation and planning that goes into Region 3 operations for the upcoming year. Dave Green has asked that I focus on Member Engagement and Lifecycle across the region. As such, I plan to help provide



leadership training tailored to group needs (possibly at a council level), coordinate and facilitate affinity groups and lead the region ExCom in addressing member engagement activities. Your suggestions are welcome, so please let me know how I can assist you. <u>merandall@ieee.org</u>

Recently, I attended the following IEEE meetings (in addition to local section activities):

Mid October- IEEE-USA Awards & Recognition Committee meeting

Mid November – MGA Leadership training

Early December – Region Planning and budgeting meeting

Region 1-2 WIE Conference on "Technology Trending" – keynote speech on "Cell Phone Application Development"

Past Director's Year End Report Lee Stogner [I.stogner@ieee.org] Region 3 Director, 2010-2011

Region 3 IEEE Members,

Our year is almost over and I would like to say that we have made progress in Region 3 in providing valuable service to the membership. With your help, we have improved and/or created the following



Region Communications

Communications in Region 3 consists of web sites, emails, newsletters and one on one Member discussions. We've taken a careful approach to ensure that Members receive the communications that they need, but not too much over the course of the year. If you have not seen it, our latest newsletter is online at the Region 3 main web site at <u>http://</u> www.ewh.ieee.org/reg/3/

Member Training

Our Members have had the opportunity to receive specialized training through e-books, Section/Chapter level workshops, web casts and Sections Congress 2011. If you are one that received training on a soft skill or technical topic, please share this new knowledge with your local Members and help us continue to grow our base of up to date Members. If some how you missed a learning opportunity in 2011, please participate in your Section/ Chapter meetings and go to <u>http://</u> www.ieee.org/education_careers/index.html

Career Assistance

The past several years have been tough on engineers of all types. To support you and your career, we have developed and delivered a number of Career Assistance Workshops over the past several years. These workshops help you refresh the soft skills that it takes to update your knowledge and prepare for the next step in your career. If you missed these workshops, we can schedule more in 2012. Let us know where in Region 3 and we will be there with our team. But don't wait until the next workshop, we have trained resources in every Section and a Career Navigator online at http://www.ieeeusa.org/careers/default.asp

Jobs Board

This is a new idea that we are starting. A Jobs Board is a Section resource that is keeping a file of what companies are hiring what engineering skills. As the economy improves, Members will keep this resource up to date on their company's hiring. This resource then shares this information with Section Members. Maybe you can become your Section's Jobs Board Coordinator. To get our Region Jobs Board going, I encourage you to check out the engineering openings at a new electric bus manufacturer in Greenville, SC

www.proterra.com

Please keep the boards going by sharing knowledge of openings in your area with your local Jobs Board Coordinator.

Past Director's Report

Continued from Page 3

Conferences

Region 3 is home to a number of world class conferences:

2012 IEEE International Electric Vehicle Conference Greenville, South Carolina March 4 - 8, 2012

http://electricvehicle.ieee.org/

Note: Sponsors and exhibitors are welcome.

Southeastcon 2012 Orlando, Florida March 15 - 18, 2012 http://southeastcon2012.org/

Note: They have extended their paper submission date to January 9, 2012. Sponsors and exhibitors are welcome.

Please check the Region 3 web site calendar for more upcoming events.

Membership Growth

We do need membership growth to create new membership value. I encourage all of you to invite others to participate in IEEE activities in Region 3 and learn that joining the IEEE Network is one of the most important things that you can do to support a life long career. It starts at the Student Branch and continues with you as your career takes you around the world. If anyone asks, "Why Should I join the IEEE ?", please show them the following video http://solutionists.ieee.org/

Don't forget to turn up your speakers, it has a tune that will be in your head for the rest of the day.

I want to thank all of you for allowing me to be your Region 3 Director for the past two years. We've made progress but most importantly we've continued to build the foundation that will support our fellow Members and like our IEEE Mission Statement says, "Advancing Technology for Humanity".

Sincerely,

Lee Stogner, PMP Region 3 Director, 2010-2011 Member, IEEE Smart Grid Initiative Member, IEEE Electric Vehicle Initiative I.stogner@ieee.org http://www.linkedin.com/in/leestogner

Leadership Development Mary Ellen Randall

[mer1@ascottechnologies.com] Region 3 Director-Elect

It is time to start thinking about Leadership training for your new section officers either 4Q2011 or 1Q2012. Why not get them off to a quick start?

You may

- Schedule a Leadership Development Training Session for your council or section. I will be happy to assist with materials and speakers.
- Prepare your own Leadership Development Training based on readily available materials.
- 3. Review the materials and ask questions.

New Section Leaders should attend, as well as any leader who would like a review. If you have topics to request, please notify merandall@ieee.org.

If you would like assistance in planning Leadership Development Training, please contact <u>merandall@ieee.org</u>.

Agenda (Suggested)

Introduction of participant

Unraveling the Mystery (IEEE) Organizational Structure)

- * Geographic Unit Relationship
- Policy Making committees
- * Why is RAB now MGA?
- * What's IEEE-USA have to do with it?

Online training for Section Officers

Activity: Ways to Build Society & Section Synergy

Lunch & Discussion

- * Best Ways to Recognize Members
- * Best Student Activities

Best Professional Activities

Where's the Money?

- * Resources to help your section
- * Maximizing Your Section Rebate

Region help for meetings

Hampton Roads turns 50 Jennifer Ammentorp [jennifer.ammentorp@ieee.org] Chair, IEEE Hampton Roads

The Hampton Roads section of IEEE officially formed March 1st, 1961. On November 15, 2011 the anniversary was marked with a great formal dinner presenting awards, pinning student officers.



Jim Howard of IEEE-USA presented information on the structure and direction of IEEE. Doug Stitzel, VP of Energy Programs at Newport News Shipbuilding calibrated our perspective on what life was like at the forming of the Section in 1961, and walked through all the monumental changes in technology. In nearly all cases, IEEE was instrumental in bringing that technology into every day living. One interesting point of his presentation reflected that the Military Specifications, often referred to as Mil-Specs, refer to IEEE standards to define equipment performance and durability requirements, as the industry definition for many defense contracts.

Bill LaBelle was recognized as the section outstanding volunteer for his two decades plus years of service to IEEE and Hampton Roads in multiple Engineering volunteer roles. Richard Williams was the PES Chapter Outstanding Engineer of the Year. Student leaders from Hampton University and Old Dominion University Student Branches were pinned in recognition for volunteer student leadership.

IEEE-USA Government Relations Committee Report George F. McClure [g.mcclure@ieee.org]

The IEEE-USA 2012 Annual Meeting will be held 3-6 May in Cincinnati, OH.

Congressional Visits Day is scheduled for 24-25 April, 2012.

A 6 June Workshop on STEM will consider Measures for Innovation and Competitiveness. It will be held at the AAAS Auditorium, Washington,

DC.



The IEEE-USA Committee on Transportation and Aerospace Policy (CTAP), at its 30 November meeting, considered possible actions in support of the James Webb Space Telescope (JWST). A hearing is scheduled for 6 December. Costs have ballooned, but are now capped at \$8 billion for a 2018 launch. The

> funding for 2012 is set at \$530 million. There is concern that more of the funding will go for program planning and management than for R&D. The Committee is drafting a letter to Congress in support of the JWST, for the scientific knowledge that can be gained from it.

The IEEE International Electric Vehicle Conference is scheduled for 4-8 March at Clemson University. The Call for Papers has been issued. http://

electricvehicle.ieee.org/cfp.html



Students from Hampton University and Old Dominion University are joined by Jim Howard (IEEE-USA) and Mike Cooper (Section Vice Chair and EM for the Event)

Student News

Regina Hannemann [<u>r.hannemann@ieee.org</u>] Student Activities Chair

The last half year has been a very successful time for the R3 student branches.

Xtreme 5.0

On October 22nd, 2011 IEEE Xtreme 5.0 took place. 1512 teams from 388 student branches worldwide participated in this 24h programming competition. 13 problems were released over the duration of the competition to keep everyone up and awake ;-)

R3 had registrations of 61 teams from 17 student branches. 12 teams ranked in the top 100 worldwide.

Here is a list of the R3 participating student branches:

Arkansas State University, Christian Brothers University, Embry Riddle Aeronautical University - Daytona Beach, Emory University, Georgia Institute of Technology, Lipscomb University, Murray State University, North Carolina State University, Old Dominion University, University of Alabama at Birmingham, University of Florida, University of Kentucky, University of Florida, University of Kentucky, University of Miami-Coral Gables, University of North Carolina - Charlotte, University of South Florida, University of Southern Indiana, University of Tennessee-Chattanooga

I promised the student branch with the largest number of participating teams 3 TI

launchpadwiki (Development Tool). And the winner is (10 teams): *North Carolina State University.*

The student branch with the lowest average worldwide ranking wins 3 pickit3 kits from Microchip. And the winner is (9 teams, average ranking 116): *University of Florida*

I will present the kits to the student branches at SouthEastCon 2012 at the Awards Ceremony.

2011 Global Website Contest

Just in time for all our student branches preparing their websites for our regional website competition we got the news on the worldwide competition results from 2011. The top winners from each region are entered into the global competition. And the winner is from Region 3! Below are the global winners with their websites. Please be inspired!

First Place: Region 3 - Christian Brothers University [<u>http://www.ieeecbu.org/</u>]

Second Place: Region 8 - Pretoria Student Branch (South Africa) [<u>http://ieee.up.ac.za/</u>]

Third Place: Region 10 - College of Engineering Trivandrum, Kerala Section [http://www.ieeesbcet.org/]

Special Mentioning: Region 10 - IEEE Jamia Millia Islamia, Delhi Section [http://www.ieeejmi.com]

See Student News, page 7

Regional Rank	World Rank	Team	Student Branch
1	13	CutieMarkCrusaders	University of Florida
2	14	MILatUF	University of Florida
3	37	ViciousAndDelicious	University of Miami-Coral Gables
4	38	RandomPeople	University of Florida
5	42	TheMuffinStuffers	University of Miami-Coral Gables
6	43	RainbowDash	University of Florida
7	54	ScriptKiddiesV2	University of Florida
8	78	Team15	University of Miami-Coral Gables
9	82	Winning	North Carolina State University
10	83	AnomalousPomegranate	North Carolina State University
11	94	SoccerMoms	University of Kentucky
12	96	Crashand the Boys	North Carolina State University

Student News

<u>Continued from Page 6</u>

SoutheastCon 2012

I guess all the hardware teams are well on their way, but remember that different other competitions (software, ethics, student paper, T-Shirt, and website) are offered too. And we will have another leadership training on Friday afternoon. Bring your new and upcoming officers for a fun afternoon! I hope to see at least 50 student branches participating!

2011 Girls Scout Expo, Atlanta Cathy Freeman [c.freeman@ieee.org] 2012 Chair, IEEE Atlanta Section Women in Engineering Affinity Group Senior Member

Volunteers from the Women in Engineering (WiE) Affinity Group of the IEEE Atlanta Section provided an interactive laser exhibit at the first ever Pure Genius Expo hosted by the Girl Scouts of Greater Atlanta. Over 1000 girls and their families and adult leaders attended the Science, Technology, Engineering and Math (STEM) event at the Georgia World Congress Center in Atlanta on October 29, 2011. The laser exhibit was a big hit as the girls were able to create their own laser 'light show' and examine the coherence of laser light and lens focusing properties. The exhibits were developed by a group at Georgia Tech who generously loaned out the exhibits after providing training on their use. IEEE WiE and the Atlanta Section provided giveaway items and T -shirts for the volunteers who staffed the exhibit all day and helped introduce girls to engineering and lasers. The Girl Scouts plan to repeat this event next year at a larger venue and expect an even larger turnout. The WiE volunteers all said it was a lot of fun and they look forward to a repeat performance!

See Girl Scouts Expo, page 10



IEEE SoutheastCon 2012 Innovating For A BetterTomorrow

Wyndham Orlando Resort Hotel, Orlando Florida

March 15-18, 2012

IEEE SoutheastCon is an annual IEEE Region 3 Technical, Professional, and Student Conference. It is the premier conference for the IEEE Region that encompasses the IEEE Southeastern United States and Jamaica. IEEE SoutheastCon 2012 brings Electrical Engineering, Computer Engineering, and Computer Science professionals, faculty and students to share the latest information through technical sessions, tutorials, professional development sessions, 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.

IEEE SoutheastCon will feature the following student competitions:

Student Paper Competition Student Software Competition Student Hardware Robotics Competition Student Website Design Competition Student T-Shirt Design Competition

Be sure to check the website for more information. Space is limited for some events, so we strongly encourage you to take advantage of early registration to make sure you will be able to participate in your chosen events.

Attendance and technical program participation from areas outside IEEE Region 3 is welcomed and encouraged. You do not have to be a member of IEEE to participate or attend IEEE SoutheastCon 2012, although membership is required in order to participate in student competitions. However, we do encourage you to investigate the benefits of IEEE membership. One immediate benefit is the reduced registration fee to attend.

For more information, Please see our website at http://www.southeastcon2012.org/

IEEE SoutheastCon 2012 : Innovating For A Better Tomorrow March 15-18, 2012, Wyndham Orlando Resort Hotel & Convention Center

ADVANCED REGISTRATION FORM

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Region 3 Newsletter—Spring 2012





Region 3 Newsletter—Spring 2012

Leadership

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The Best of Everything (Presentation of Lunch Ideas)

IEEE Awards Programs

Charting the Path Forward

* Which Meetings Should Our Section Attend?

* The Strategic Planning Experience

Activity: Personal/Section Action Plan

The Whole Pi

Dr. Jim Anderson [jim.anderson@ieee.org] Public Information Chair

"Welcome To The Best Year Of Your Life!"

Don't you just love the start of a new year -- the possibilities seem endless and so far there don't seem to be any roadblocks that will prevent you from accomplishing everything that you want to get done this year. Yeah, yeah -- I know that things might change as we get further into the year, but let's dwell on the here and now for now. In that spirit I'd like to introduce myself: I'm the incoming R3 Public Information (PI) Officer. But you can just call me 3.1429...

Down here in Florida I happen to know that the 13 Sections that exist in Florida have a lot of great events and speakers happening all of the time. Unfortunately I don't think that anyone else knows about this! I'm willing to bet that this is the case is just about every Section. We're all working very hard to make our Section a success; however, none of us have figured out how to leverage what's going on in the other sections to our own advantage.

I'd like to tell you that I've got a great way to solve this issue, but I don't. However, in the spirit of starting a new year out right I fully believe that I'm going to be able to come up with a great way to accomplish this in the next 12 months. I've got 3 things that I'm going to be working on in the short term that I think will help me to make sure that eventually everyone knows everything:

- I'm going to be finding ways to boost the public visibility of Region 3 IEEE efforts -- this means bragging about the people in Region 3
- 2. Finding ways to support the Public Information efforts with the sections, chapters, etc. Get those cell phone cameras out and ready...!

3. Finally, just like in that Matrix movie I'm going to be plugging in to all activities so that I can accomplish 1 and 2.

Whew! We're just a few days into the new year and already I'm bushed! No matter, it's going to be a great ride -- won't you come along?

IEEE members give high school students their BEST

Jane Moorhead [janem@ece.msstate.edu] IEEE Mississippi Section Student Activities Chair Student Branch Adviser for Mississippi State

Chelsea Mosser, a senior at Mississippi State University and president of the IEEE Student Branch, remembers how special high school events were when older students took an interest in her activities. Those memories drove her and her fellow IEEE members to donate hours of their limited free time to mentor the robotics team from Starkville High School's Millsap's Career and Technical Center. Even though the BEST team met for several hours a day, five days a week, at least one IEEE mentor was always there to answer questions and lend a hand, despite their busy schedules. The electrical and computer engineering majors lent their expertise to help the high school students build and design a robot to navigate the competition's obstacle course and complete the required tasks. "We basically helped them come up with a solution for how to best approach the game part of the competition. We prepared them for what challenges they might face when designing their robot and tried to make them aware of issues they might not have considered," Mosser explained.

"Going through high school, it was always exciting to have older students or professionals come in to guide us on projects, so it meant a lot to us to do the same for current high school students now that we are in the position to offer advice. We just pulled some strings to make our schedules work so we could help the team and not neglect our other responsibilities," Mosser explained. "If you want to do something, you set aside time for it and work around the constraints. We really wanted to get involved and help these future engineers."





Gaming nights are always very active IEEE meetings at Mississippi State University.



Samantha Prine, a senior at Mississippi State University accepts the IEEE Power and Energy Society Scholarship award from Dr. Stanislaw Grzybowski, IEEE fellow and P&E society member while Chelsea Mosser, president, IEEE MSU student branch looks on.

See BEST, page 14

BEST

Continued from Page 13



Raffling of an iPAD2 allowed the IEEE Student Branch of Mississippi State University to donate \$1000 to a fellow student injured in a severe car accident.

2012 Conferences in Region 3

	Location	Section	Notes
	Start	End	Society
	Chair	E-mail	Phone
2012 IEEE	E International Electric	Vehicle Conference (IEVC)	http://electricvehicle.ieee.org/
	Greenville, SC		
	4-Mar-12	8-Mar-12	CIS, IA, PEL, PES, R, SEN, VT, Future Directions Committee, IEEE Standards Association, IEEE-USA Washington, DC
	Dr. Joachim Taiber Lee Stogner	j <u>taiber@clemson.edu,</u> l.stogner@ieee.org	+1 864 656 5080
2012 Sou	theastern Symposium o	on System Theory (SSST)	http://ssst2012.fiu.edu/
	Jacksonville, FL	Jacksonville	
	11-Mar-12	13-Mar-12	
	Chiu Choi	<u>cchoi@unf.edu</u>	+1 904 620 1681
Southeast	tCon 2012		http://www.southeastcon2012.org/
	Orlando, FL	Region 3, Orlando	
	15-Mar-12	18-Mar-12	
	George McClure	g.mcclure@ieee.org	+1 407 647 5092
2012 IEEE Exposition		Distribution Conference and	http://www.ieeet-d.org/
-	Orlando, FL	Orlando	
	7-May-12	10-May-12	PES
	Thomas Mayne	t.w.mayne@ieee.org	+1 504 427 3390

IEEE Region 3 Executive Committee - 2012

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Treasurer Donald W. Hill

Area 1 Virginia Council

Area 4 Florida Council Donghui Wu

Area 7 South Carolina Council Steve Carroll

Communications (MGA-IMC) Committee

Communications (MGA-IMC) Chair Bill Marshall Public Information Jim Anderson

Conference Committee

Conference Committee Chair *Sean Haynes*

Region 3 Conference Committee

Region 3 Conference Task Force Chair James Conrad

SoutheastCon2010 James Conrad

SoutheastCon2013 Butch Shadwell

Financial (FINCOM) Committee

Finance (FINCOM) Committee Chair *Don Hill*

Leadership Development and Regional Support

Leadership Development and Regional Support Chair *Butch Shadwell*

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Past Director Lee Stogner

Area 2 North Carolina Council Tom Weldon

Area 5 Tennessee Council *Tim Bigelow*

Area 8 Kentucky & Indiana John Parr

Automated Tools (ECSC)

Eric S. Ackerman, Ph.D.

Past Conference Committee Chair

Southcon Representative (senior)

Bill Tiedemann

Webmaster

Don Hill

James H. Beall

Jeffrey Black

Don Hill

Lee Stogner

Butch Shadwell

Chris Hardy

SoutheastCon2011

SoutheastCon2014

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Regional Support Coordinator

Sections Congress Coordinator

Life Member Coordinator

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

Area 3 Georgia Curtis Lee

Area 6 Alabama/Mississippi Ron Ogan

Area 9 Jamaica Wilfred A. (Robbie) Roberts

Newsletter Editor William LaBelle

Southcon Representative (junior) *James M. Howard*

SoutheastCon2012 George McClure

Leadership Development Training Chair Mary Ellen Randall

Gold Representative Nick Smith

Membership Recruiting and Recovery Chair *Bill Williams*

History Co-Chair James Beall

History Co-Chair Charles Hickman

Charles Husbands

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Student Activities Committee

Student Activities Chair Regina Hannemann

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Student Representative Joshua Shank

Educational Activities Chair *Ken Pigg*

Liaison to IEEE-USA Policy Committees Coordinator *George McClure* Nominations & Appointments Committee Chair *Lee Stogner*

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