Region 3

Director's Deliberations

The biggest problem a director faces is ensuring that sections have an officer development program (to encourage volunteers to serve as officers), and then to create and follow a proper election process. I handed out a "cookbook" at SoutheastCon. Unfortunately, I'm afraid that many sections have not started work on their elections, and time is running out on a correct start to the process.

I have updated the cookbook to the one below. I encourage section leaders to complete their plan THIS MONTH and start executing it as soon as possible. Some of the dates are driven by IEEE policy, namely the call for nominations must be made **SIX MONTHS** before the start of elections! Please work hard to create your "Call for Nominations" announcement and send it out to your membership as soon as possible.

James Conrad
Director, Region 3

Sample Section Election Guidelines and Timeline

May 31 Section ExCom appoints nominations committee, including committee chair

Jun 1:   e-Notice first call for nominations (notice should be **six months** prior to election, general nominations from members are open for one month)
** Note that this is a requirement of the MGA Operations manual.

Jul 1:   Nominating committee starts to recruit additional candidates for offices with not enough candidates

Aug 1:   Candidate bios, photos, and optional position statements due to the Nominating Committee.

Sep 1:   Nomination Committee forwards slate to Section ExCom

Oct 1:   Section ExCom ratifies slate of candidates

Oct 7:   e-Notice slate to Section membership (must be **6 weeks** prior to election beginning)
** Note that this is a requirement of the MGA Operations manual.

Nov 1:   Final date/close for petition candidates (must be **28 days** prior to Election beginning)
** Note that this is a requirement of the MGA Operations manual.

Nov 15: Committee creates election using vTools and populates information.

Dec 1:   e-Notice and election using vTools begins

Dec 15: Section Chair appoints tellers committee

Dec 22: Election ends

Dec 24: Tellers Committee report results to Section Chair

Dec 24:   Section Chair informs each candidate of results

Dec 31:   e-Notice of election results to Section membership

Dec 31:   Section Secretary notifies IEEE headquarters through vTools officer reporting.

References:

[MGA Operations Manual](http://www.ieee.org/societies_communities/geo_activities/operations_manual/index.html), Section 9.4.H
http://www.ieee.org/societies_communities/geo_activities/operations_manual/index.html

Call for Nominations for Region 3 Director-Elect

Please help ensure that IEEE Region 3 continues to have strong leadership by sending nominations or suggestions for future leaders to the Region 3 N&A Committee. The immediate request is for the senior leadership position of Region 3 Delegate-Elect/ Director-Elect for 2018-2019. Please review the requirements and expectations for an IEEE Director and consider nominating a colleague or yourself.

The Delegate-Elect/Director-Elect serves two years as an "Elect" and as Vice Chair of the Region, then serves two years as an IEEE Region Director (and chair of the Region) and then two years as Past Director. It is a six year commitment but is very rewarding and provides an opportunity to make significant contributions to our region, profession, and IEEE. All past directors speak favorably of the experience and have particular accomplishments that have endured. Most remain involved in the Region for years beyond their Director service although this is not a requirement.

The description of the duties of the Region 3 Director is given at http://goo.gl/PsvPjV. The recent past Directors of Region 3 include Jim Howard, Bill Harrison, Bill Ratcliff, Lee Stogner, David Green and Mary Ellen Randall. The present director is James Conrad and the director-elect is Gregg Vaughn. Please feel free to talk to any of these people if you have questions about the position. You can also read the IEEE's description of the position at: http://www.ieee.org/documents/position_division_delegate_director.pdf

To make nominations or recommendations for Director-Elect or other positions, please contact Mary Ellen Randall, merandall@ieee.org Chair of the Region 3 Nominations and Appointments Committee.

The general process for selecting the next Region 3

Director-Elect begins with this call for nominations and culminates with a vote by the Region 3 Membership in August 2017. The process in between includes

- Deliberation by Region 3 N&A (to begin April 2016)
- Deadline for submission (July 30, 2016)
- Proposal of a slate to Region 3 ExCom (August 2016)
- Approval of slate by Region 3 Committee at its meeting (September 2016)

IEEE Election Process including opportunity for petition candidates (begins February - March 2017)

Solar Impulse 2

Julian Nister [julian.nistor@us.abb.com]
IEEE ENCS PEL Chair

As most of you will know by now, the Solar Impulse plane is making its way across the US as part of its bid to be the first solar-powered aircraft to circumnavigate the globe.

Global power and automation leader ABB has an innovation and technology alliance with Solar Impulse, in place since the beginning of the around-the-world adventure since 2015. What unites the two is a belief that, by widely adopting technology on the market today, the world could consume far less energy per capita, and increase massively the proportion of renewables in the global supply.

As part of ABB's communication activities surrounding the plane, we are organizing presentations on Solar Impulse and ABB's alliance at several universities. This is an opportunity to learn about the history of this pioneering project and how ABB is putting the Solar Impulse message into practice.

We are pleased to bring this Solar Impulse presentation to the following southeastern universities:

FAMU & FSU on Wednesday, May 18 at 9:30am
NC State on Friday, May 27 at 9:30am

Admission is free to IEEE members. Please email tracey.noble@us.abb.com to confirm your participation.

More details about ABB and our leading technologies can also be found on our company's dedicated Youtube channel [http://www.youtube.com/user/abb].

Region 3 Awards and Recognitions
Susan K Land
Region 3 Awards Chair

Region 3 held its annual Awards Ceremony at SoutheastCon in Norfolk VA, on April 2. It was a great event where we celebrated the achievements of many individuals! The Region 3 award winners are:

Joseph M. Biedenbach Outstanding Engineering Educator Award
Dr. Mohammad S. Alam; for exceptional contributions and leadership towards enhancing the quality of electrical and computer engineering education

Outstanding Engineer
Glen D. Hopkins; for distinctive contributions to the advancement of the theory and practice of array antenna systems

Outstanding Service
Samuel Ross Connor; for dedicated service to his Chapter, his Society, Standards, Conferences, and Journals benefiting IEEE Region 3 members

Leadership Award
Ed Kirchner; for significant contributions to promoting the career development mission of the IEEE and IEEE-USA to Region 3 and throughout the USA

Daniel W. Jackson Award
David Green; for sustained leadership and service across Region 3, MGA, and IEEE emphasizing the importance of the human element of IEEE

Director's Choice Award
Mark Torres; for enthusiastic leadership of member engagement throughout Region 3
Gregg Vaughn; for leading the IEEE MOVE Project's Truck Design Efforts

Winners of other IEEE awards were also recognized at the ceremony, including:

IEEE-USA George F. McClure Citation of Honor
Dr. David Edward Flinchbaugh

IEEE Educational Activities Board Pre-University Educator Award
Vanessa Orlinoff Ford

IEEE Jack S. Kilby Signal Processing Medal
Harry L. Van Trees

IEEE Medal in Power Engineering
Fred C. Lee

IEEE Simon Ramo Medal
Paul Kaminski

2015 Richard Harold Kaufmann Award
John Mozina

IEEE Fellow is a distinction reserved for select IEEE members whose extraordinary accomplishments in any of the IEEE fields of interest are deemed fitting of this prestigious grade elevation. These are the Region 3 members who were recently appointed to fellow:

George Clark	Cliff Wang	Warren Dixon
Calton Pu	Frank Mueller	Li Xu
Faramarz Fekri	Laura Bottomley	Vladimir Kolobov
Karsten Schwans	Yungtaek Jang	Shu-Ching Chen
Xiaoli Ma	Huseyin Arslan	Robert Nelson
George Hayhoe	Shigang Chen	Anthony Guiseppi-Elie
Ting-Chung Poon		

Class of 2015, Region 3 Members Elevated to Fellow
As you can see, there are many opportunities for awards within IEEE. It is my goal as Awards and Recognitions Chair to help all of you, our Region 3 members, nominate your colleagues for any of these prestigious awards. If you ever need assistance with a nomination, please feel free to contact me at skland@ieee.org.

Upcoming IEEE Award Deadlines:
IEEE Awards: Recognitions and Medals deadline 1 July 2015 http://www.ieee.org/about/awards/index.html

IEEE USA Awards: deadline 31 July 2015 http://www.ieeeusa.org/volunteers/awards/index.html

Member and Geographic Activities (MGA) Awards: deadlines in May and mid-October http://www.ieee.org/societies_communities/geo_activities/awards/index.html

Report of IEEE Educational Activities Board Meeting at New Brunswick, New Jersey on April 7 and 8, 2016

G. Thomas Bellarmine
[gnanasigamani.bellar@famu.edu]
Region 3 Educational Activities Chair

Recently, I attended the IEEE Educational Activities Board Meeting at New Brunswick, New Jersey on April 7 and 8, 2016. I am going to discuss the outcome of the activities of Educational activities Board (EAB).

The EAB is divided into the following groups:

- Section Outreach Committee (SEOC)
- Pre-University Coordinating Committee (PECC)
- Membership & Geographic Activities Board (MGA)
- Technical Activities Board (TAB)
- Standard Activities (SA)
- University Resources Committee (URC)
- Continuing Education Committee (CEC)
- Engineering, Computing, Technology Portals Strategic Committee (ECTPSC)

I attended SEOC committee on April 7 & 8th, 2016. I was advised to be part of the Section Outreach Committee (SEOC). The following are results of the discussions held in the SEOC:

SEOC Wants ("MUST HAVE") in the section level in the following order:

1. Develop a process for identifying and responding to Section-level educational needs

2. Educate REACs on existing programs, products, and services (at least basics)

3. Share best practices for communications between REACs and Section Education Chairs

4. Monthly Bulletin to REACs

5. Create opportunities to collaborate with other EA committees on projects

6. Create a centralized, dynamic, web-based (executive) dashboard of EA resources

* REAC - Regional Educational Activity Chair, * EA – Educational Activity (Section)

SEOC Wants ("SHOULD HAVE") in the section level in the following order:

1. Create promotion strategy in support of Continuing & Professional Education and Pre-University Programs

2. Tracking EA Programs and Activities usage by Region

3. Collaboration between REACs and Regional Vitality Coordinators (e.g. Share the Vitality Survey Results)

4. Evaluate synergies to create or leverage existing Collabratec Units

5. Explore opportunities to create or leverage existing Collabratec communities

6. Recommend evaluating current educational meeting data capture and determine whether changes can/should be made (Vtools)

The SEOC wants us to follow flowchart to interact with section-level Educational Activities chair.

IEEE-WIE Global Women in STEM Leadership Summit

Loews Atlanta November 2-4, 2016
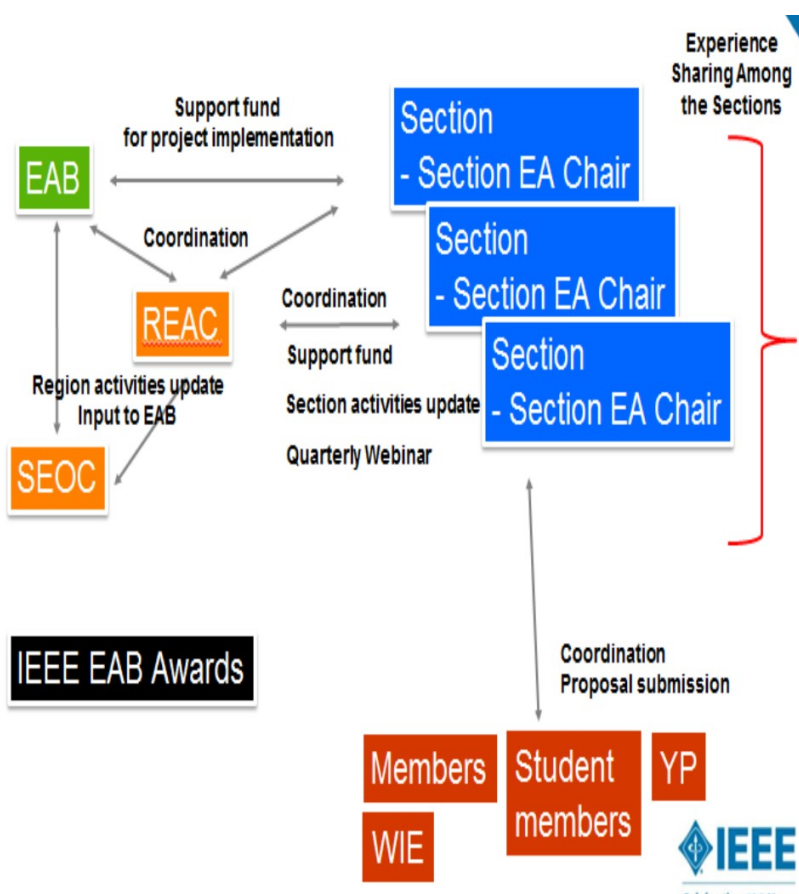
Dear IEEE Region 3 members,

Early registration is now open for our inaugural Global Women in STEM (Science, Technology, Engineering, and Math) leadership summit in Atlanta, Ga November 2-4, 2016. The summit is hosted in partnership with a number of corporate, economic development, nonprofit, and higher education partners. This is the first of its kind 2-day summit ever held in the region that is dedicated to giving women in STEM access to powerful tools, strategies and networks to advance their careers, and realize their full potential. Four hundred women are expected to participate.

The summit organizing team consisting of a diverse group of passionate academics, corporate executives, entrepreneurs, and students has designed a very special inter-generational multidimensional leadership development program with plenary and break out speeches, panels, fireside chats and round table discussions, as well as mentoring and networking sessions. We have called on influential movers and shakers and thought leaders from academia, industry, nonprofit, and entrepreneurship spheres, who are predominantly women, to share their rich and enriching stories and experiences and how they shattered the glass ceiling everywhere and in so many ways. Our speakers and facilitators have written books, led major fortune companies, won big awards, founded companies and nonprofit organizations, worked across the globe, and appeared and worked on major TV networks.

Register now and let us help you design your future and help us level the playing field for women in STEM!

For more information or for partnership and speaker opportunities, do not hesitate to contact me at thamrita@uga.edu, or at 706 542-1973.

Takoi K. Hamrita, Ph.D.
Summit Chair
WIE Region 3 Coordinator
Professor of Electrical and Computer Systems Engineering
College of Engineering, The University of Georgia

More information can be found at the summit web site
http://www.wielead.org/

IEEE-WIE Global Women in STEM Leadership Summit
Loews Atlanta November 2-4, 2016

Keynote Speakers

Jeff Hoffman
Founder of Priceline.Com and ColorJar and Global Motivational Speaker

Valerie Montgomery Rice, M.D.
President and Dean of Morehouse School of Medicine

Parisa Khosravi
Former CNN Senior Vice President and Motivational Speaker

Jennifer Van Buskirk
Regional President, Northeast, AT&T Mobility

Takoi K. Hamrita, Ph.D.
Professor at the University of Georgia and IEEE-WIE Regional Coordinator
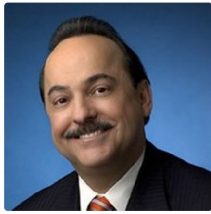
Ralph De La Vega
Vice Chair of AT&T Inc. CEO of Business Solutions and AT&T International

Alicia Philipp
President of The Community Foundation for Greater Atlanta

Marie Mouchet
Vice President and Chief Information Officer SouthernCo

Jill Tietjen
Author and Past National President of the Society of Women Engineers

Partners

3D-PEIM

OPEN PAPER DEADLINE FOR INTERACTIVE DIALOGUE SESSIONS
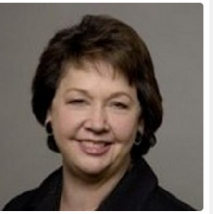
International Symposium on
3D Power Electronics Integration and Manufacturing
June 13-15, 2016
McKimmon Center, Raleigh, NC, USA

This symposium brings together practitioners and researchers in the power electronics industry to discuss, identify, and roadmap developments in circuits and systems enabled through advancements in 3D circuits, packaging, integration, and manufacturing technologies. The symposium will consist of *oral presentations and interactive dialogue table-top demonstrations*. All papers are catalogued in IEEE Xplore. The Call For Dialogue Session Papers is left open to increase participation and expand dialogue between cross-topic areas. Submit a paper and/or come join us!

Papers and your attendance are sought to stimulate interactions in creating smaller, lighter, more efficient, and sustainable power electronic products through the following topics:

◊   Additive Manufacturing for shortened design cycles, and mass production
◊   Thermal Management and Systems Integration for high-density packaging
◊   Multiphysics Modeling and Simulation of integrated packaging and circuit solution
◊   Materials (e.g., interconnects, encapsulants, substrates)
◊   Active components and integrated driver circuitry for embedded systems
◊   Passive components (e.g., magnetics, capacitors, interposers) for 3D integration
◊   Manufacturability of circuits and packaging (manufacturing processes, equipment, and standards)
◊   Quality and Reliability of integrated solutions, including Prognostics and Condition Monitoring

SUBMISSION FOR DIALOGUE SESSIONS REMAINS OPEN THROUGH–JUNE 06, 2016
DAILOGUE SPEAKERS are provided tables and 2+ hours for discussions

For more information, please check the Symposium website: www.3D-PEIM.org
Questions pertaining to the 3D-PEIM Symposium may be addressed to:

General Chair: Prof. Douglas Hopkins, NC State University (dchopkins@ncsu.edu)
Technical Program Chairs: Prof. Patrick McCluskey, Univ. of Maryland (mcclupa@umd.edu)
                                   Prof. G.Q. Lu, Virginia Tech (gqlu@vt.edu)

3D-PEIM

OPEN PAPER DEADLINE FOR INTERACTIVE DIALOGUE SESSIONS

International Symposium on
3D Power Electronics Integration and Manufacturing

June 13-15, 2016
McKimmon Center, Raleigh, NC, USA

The Power Sources Manufacturers Association (PSMA) is pleased to announce the first International Symposium on 3D Power Electronics Integration and Manufacturing (www.3D-PEIM.org) to be held June 13-15, 2016, in Raleigh, North Carolina. Professionals from the world's leading power electronics, packaging and manufacturing societies and associations are bringing together designers and manufacturers to address the future of integrated power electronics design, and advance the 3D power electronics systems of the future.

The 3D-PEIM symposium is underwritten by the PSMA as part of its ongoing commitment to educate and inform the power electronics industry. Other supporting organizations include: the IEEE Components, Packaging and Manufacturing Technology Society (CPMT); the International Microelectronics, Assembly, and Packaging Society (IMAPS); North Carolina State University; the University of Maryland; and Virginia Tech.

The symposium is all about electrical-physical design and the 3D manufacturing of power electronic systems. With the wide interest in seeing hardware, both dialogue and lecture speakers have the opportunity to display their hardware during the breaks and receptions. (The Call for Dialogue Papers is open through June 6, 2016) The symposium also offers tutorials to provide background and insight into many physical design approaches and technologies. Offering a full slate of presentations on topics ranging from additive manufacturing to embedded components and integrated thermal management (see full program on back), the symposium is designed to stimulate conversation and idea sharing between circuit, packaging and manufacturing engineers.

Exhibitors are welcomed to reserve tabletops to show what is possible in packaging and manufacturing of 3D power electronic systems. For further information, contact the PSMA or the General Chairman Prof. Douglas Hopkins, NC State University at info@3d-peim.org.

REGISTRATION IS NOW OPEN AT www.3d-peim.org/registration.

IEEE SoutheastCon 2017
March 30-April 2, 2017 Charlotte / Concord, NC
http://www.ieeesoutheastcon.org/

IEEE SoutheastCon is the 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 2017 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.

This year the theme is "IEEE SoutheastCon 2017: The Internet of Smart Ideas" and will highlight the fastest growing technology in North Carolina (and most of the region) - The Internet of Things (IoT).

Featured during the conference are the following activities:

IOT Day – Thursday March 30, 2017

IoT Day will be a 'conference within a conference' consisting of a full day of tutorials, all built around the Internet of Things. It will offer four concurrent tracks:

- The Business of IoT – designed for managers, investors, and potential entrepreneurs;

- The Standards of IoT – a series of classes on the various standards on which the IoT is built, such as Internet Protocol version 6 (IPv6) and others;

- The Engineers of IoT – a series of classes giving hands-on instruction in the development of key technologies of the IoT; and

The Makers of IoT – a fun series of "maker" workshops to build some various circuits and networks.

The evening of IoT Day will conclude with a sponsored reception and keynote speaker or panel. The exact structure, class topics, and evening speaker(s) are still being finalized – but set your calendar – it will be a great day!

We will also be inviting members of three IoT-based Meetup groups in NC to join us that evening, representing well over 2000 engineers, hobbyists, and business people. Bring your business cards!!

There will be a charge for the day of tutorials (still being finalized), but those who are registered for IEEE SoutheastCon 2017 – including students - will get the maximum discount! The reception and evening event are FREE to SoutheastCon 2017 attendees and tutorial registrants!

Expect to see a number of 'big name' exhibitors for IoT Day (and the weekend) – perhaps even some 55' trailers full of exhibits!

Also at IEEE SoutheastCon 2017:

Tutorials on Entrepreneurship on Friday March 31 and Saturday April 1 (FREE!)

The full student conference you have grown to expect from IEEE SoutheastCon – including an OUT OF THIS WORLD hardware contest (from a galaxy far, far, away).

A professional paper program Friday 3/31 and Saturday 4/1

Region 3 meetings and workshops for volunteers Friday-Sunday.

More fun and surprises!

Space will be 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 2017, 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.

Registration opens September 1, 2016 – register early to get your seat for this great event!

IEEE Region 3 Executive Committee – 2016

Director	Director Elect	Secretary
Jim Conrad	Gregg L. Vaughn, Ph.D., P.E.	Chase Battaglio
Treasurer	Past Director	
Ken Pigg	Mary Ellen Randall	
Area 1	Area 2 North Carolina Council	Area 3 Georgia
Steve Kemp	Charles Lord	Chris Hardy
Area 4 Florida Council	Area 5 Tennessee Council	Area 6 Alabama/Mississippi
Carlos Cabera	Tim Bigelow	Eric Gregorian
Area 7 South Carolina Council	Area 8 Kentucky & Indiana	Area 9 Jamaica
Jacquelyn Cunningham	Don Hill	David Muir

Awards and Recognition Committee
Awards and Recognition Chair
Susan Land

Communications (MGA-IMC) Committee

Communications (MGA-IMC) Chair	Automated Tools (ECSC)	Newsletter Editor
John Montague	Jim Corr	Bill LaBelle
Public Information	Webmaster	
Daniel Diaz	Eric S. Ackerman, Ph.D.	

Conference Committee

Conference Committee Chair	Conference Committee Vice-Chair	Past Conference Committee Chair
Tom Habetler	TBD	Chris Hardy
Regional Student Activities Chair	SoutheastCon2015	SoutheastCon2016
Pat Donohoe, Ph.D.	Eric S. Ackerman, Ph.D.	Sean Haynes
SoutheastCon2017		
Charles Lord		

Financial (FINCOM) Committee
Finance (FINCOM) Committee Chair
Kevin Pigg

Leadership Development and Regional Support

Leadership Development and Regional Support Chair	Regional Support / VIP Project	Leadership Development Training Chair
Jill Gostin	Paul Goodson	Jill Gostin
Section / Chapter Rejuvenation Coordinator	Sections Congress Coordinator	Educational Activities
Jim Anderson	Tom Habetler	Thomas Bellermine

Member Engagement and Life Cycle

Member Engagement and Life Cycle Chair	Young Professional Representative	Industrial Relations Coordinator
Mark Torres	Laura Camburn	Lee Stogner
Life Member Coordinator	Membership Recruiting and Recovery	Women in Engineering Liaison
Charles Husbands	Maurice Cano Galvis	Takoi Hamrita

Nominations and Appointments
Nominations and Appointments Chair
Mary Ellen Randall

IEEE Region 3 Executive Committee – 2016 (cont.)

Professional Activities Operation (USA-PACE) Committee

Professional Activities Operation (USA-PACE) Committee Chair	Employment & Career Services Coordinator (USA-ECSC)	PACE Chair
Theresa Brunasso	*Ed Kirchner*	*Theresa Brunasso*
S-PAC Coordinator		
Victor Basantes		

Student Activities Committee

Student Activities Chair	Student Representative
Pat Donohoe, Ph.D.	*Oceane Boulais*

Strategic Planning Committee

Strategic Planning Chair	History Chair	Special Review Chair
William Ratcliff	*Roy Harris*	*William Harrison*

Tellers Committee

Tellers Committee Chair
Chase Battaglio

IEEE-USA Policy Committees	**R3 MOVE Project**	**Fellows**
IEEE-USA Policy Committees Chair	R3 MOVE Project Director	Fellows Nomination Chair
TBD	*Mary Ellen Randall*	*David Connor*

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 (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)