

WATT'S NEW  
NEWSLETTER OF THE BALTIMORE SECTION OF THE IEEE

September 2014

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The web site for the Baltimore section of the IEEE is:

<http://ewh.ieee.org/r2/baltimore>

The web site for the Baltimore section newsletters is:

<http://www.ewh.ieee.org/r2/baltimore/WattsNew/IndexWattsNew.html>

The web site for the Scanner is:

<http://www.ieee.org/escanner>

The web site for the full interactive digital version of the Scanner with multimedia content is:

<http://ewh.ieee.org/r2/capitalarea/eSCANNER/digital.html>

The Scanner is published six times per year in January, March, May, July, September, and November, and the email notice will be sent six times per year.

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## **1. IEEE Baltimore Section Executive Committee – 2015 Elections**

The IEEE Baltimore Section Executive Committee (ExComm) is seeking nominations for officers for 2015. The ExComm is responsible for managing and coordinating section activities and events, including conferences, continuing education courses, membership growth, & student outreach, just to name a few. For members seeking leadership and growth opportunities consider nominating yourself or someone else to head one of our society chapters or Affinity Groups. Comprising of 13 Society chapters and two Affinity Groups (Graduates of Last Decade or GOLD, and Women In Engineering, ie. WIE), the Baltimore Section encompasses many different members and many different disciplines. Members, who seek to hold a leadership position within the Baltimore section, can expect a great opportunity to learn and grow new skills that will be very rewarding in career paths and general life goals.

The upcoming IEEE November elections will be comprised of the following officer positions: Secretary, Treasurer, Vice-Chair, and Chair. The Baltimore Section will be gathering nominations throughout the summer for voting during the fall. If you are interested in filling any of these Chapter or Affinity group leadership positions or know of someone who might be interested, then please contact Dave at [dkisak@ieee.org](mailto:dkisak@ieee.org). The nominations process will need to be completed by mid-September in order to distribute candidate information and give our members enough time to complete the voting by November. Thank you for your support.

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## **2. IEEE Baltimore PES Seminar – Redundant Protective Relaying Equipment**

### **When:**

September 12<sup>th</sup>, 2014  
11:00 AM to 1:00 PM

### **Where:**

RBC South Conference Center (BGE Facility)  
7225 Windsor Boulevard  
Baltimore, Maryland 21244

### **Abstract:**

Following a cable fire at a nuclear power plant on March 22, 1975, the emphasis on physical separation of redundant components has become increasingly important in the power generation industry. In response to this event and other events like the March 22<sup>nd</sup> incident, the North American Electric Reliability Corporation (NERC) has been developing reliable and enforceable standards for protecting these vital systems. The presentation will discuss potential concepts that may be considered in the event of protection and control schemes occurring.

The event will cost \$5 for students, \$10 for IEEE Members, and \$20 for non-members, but please [register](#) by **September 5<sup>th</sup>** or go to the following site to register:  
<https://meetings.vtools.ieee.org/m/27863>

### **3. IES Baltimore Lighting Technology Conference**

**When:**

September 17, 2014  
8am -5pm

**Where:**

Port Discovery Atrium  
35 Market Place  
Baltimore, MD 21202

**Abstract:**

The Baltimore Section of The Illumination Engineering Society (IES) is hosting a conference for anyone who is interested in indoor and outdoor lighting and lighting controls. The conference will showcase products from around the lighting industry as well as the opportunity to attend enlightening seminars held by top professionals in the industry and gain continuing education credits in the process. With admission or advanced registration, attendees will receive a *free* lunch in a box (while supplies last) Check out the conference [flier](#) and we look forward to seeing you there!

For those who think ahead, the event is *free* with [advanced registration](#). Advanced registration ends **September 15<sup>th</sup>**, so register today and look forward to an illuminating experience at the IES Baltimore Conference!

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#### **4. IEEE-IAS September Seminar – Load Testing**

**Topic:**

Load Testing with 1 PDH

**Speaker:**

Mark Siira, MBA  
*BSME from GMI Engineering and Management (Kettering University)*  
*MBA from Harvard University*  
*16 years as an Engineer at Kohler Company – Power Unit*  
*Currently Director of Technology Strategy for ComRent International*

**Date:**

Wednesday, September 24, 2014

**Time:**

6:00 - 7:00 Social Hour / Open Bar  
7:00 - 8:00 Dinner  
8:00 - 9:00 Program  
9:00 - 9:30 Follow-up / Social

**Location:**

Olive Grove Restaurant  
705 N. Hammonds Ferry RD,  
Linthicum Heights, MD 21090  
410.636.1385  
<http://oliveg.com/>

**Abstract:**

The presentation will be an overview of load testing, load banks and their applications in commissioning and start-up. Included in this presentation there will be an overview of load bank construction, applications for emergency generators, critical facilities and utility backups systems, requirements for load testing and associated economic benefits.

**Speaker:**

Mark Siira is currently a senior member of IEEE and currently active in IEEE Interconnection and Smart Grid standards development. He currently is the Director of Technology Strategy for ComRent International, a leader in load testing solutions for critical facilities and utility scale systems.

For more information on the event as well as our distinguished speaker please visit the following meeting notice:

[IAS September 2014](#)

Baltimore IAS Website:

<http://www.iasbaltimore.org>

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## **5. IEEE R2 South Area – One-Day Course on Basics of Project Management**

### **When:**

Saturday, September 6, 2014

### **Where:**

Capitol College  
11301 Springfield Road  
Laurel, MD 20708

### **Topic:**

*Getting Project Management Basics Right*

### **Speaker:**

Doug Hall  
*Principal Consultant at Eagle Management Group*  
*Affiliate Professor at Loyola University Maryland's Sellinger School of Business*  
*Senior Member of IEEE and Washington/Northern Virginia Technology*  
*Management Council*  
*Past of the IEEE – Washington Communications Society*

### **Abstract: Topics Covered**

1. Project Management and the project management process
2. Setting clear expectations – the charter and requirements
3. Identifying and working with stakeholders
4. Building the project plan – tasks, schedules, costs, estimates and risk
5. Getting the project done – achieving objectives, solving problems and keeping track of progress
6. Building the team and keeping them engaged
7. Closing – finishing the project and learning the next one

To register for this event please go to the following site:

<http://meetings.vtools.ieee.org/m/27633>

For more information about this event and our speaker, please see the [flyer](#) at

<http://www.ewh.ieee.org/r2/baltimore/WattsNew/Project Mgmt Course Sept 6, 2014.pdf>

For questions, please contact Carole C. Carey at [c.carey@ieee.org](mailto:c.carey@ieee.org)

## 6. IEEE R2 South Area Section – Presentation on “Fusion Energy”

**When:**

Saturday, September 27, 2014

**Where:**

National Electronics Museum  
1745 West Nursery Rd  
Linthicum, MD 21090

**Topic:**

Fusion Energy Research and Development: ‘Starbuilding’ on Earth

**Speaker:**

Dr. John Glowienka, U.S. ITER Program Manager, U.S Department of Energy  
*Bachelors in Science of Electrical Engineering at Rensselaer Polytechnic Institute*  
*Masters in Electrical Engineering at Rensselaer Polytechnic Institute*  
*Doctorate in Electrical Engineering at Rensselaer Polytechnic Institute*  
*United States Air Force Officer (Retired)*  
*Researcher and Manager at Oak Ridge National Laboratory – 30 years*

**Highlights: International Thermonuclear Experimental Reactor Project**

- One of the largest scientific endeavors of our time
- Will set new standards in international collaboration and scientific excellence
- Represents common will of its members’ governments’ to test the feasibility of fusion as an energy source
- The ITER Agreement was signed by China, the EU, India, Japan, Korea, Russia and the United States
- Launched as an idea in 1985, the construction has now began in South France
- It will be the biggest fusion device ever built

Please go to the following link to find out more about our very distinguished speaker and for more information regarding the presentation:

<http://www.ewh.ieee.org/r2/baltimore/WattsNew/ROMP Fusion Energy Sep 27, 2014.pdf>

To register, please go to the following link: <http://meetings.vtools.ieee.org/m/28075>

For questions, please contact Carole C. Carey at [c.carey@ieee.org](mailto:c.carey@ieee.org)

## 7. IEEE Baltimore Electron Devices – Colloquium on Power Devices

### When:

Wednesday, October 8, 2014  
10:00 am – 5:00 pm

### Where:

American Institute of Physics Building  
1 Physics Ellipse Dr.  
College Park, MD 20740

### Abstract:

SiC and GaN power semiconductor devices provide distinct energy savings over their Si counterparts and have wide “green energy” applications. Join the Baltimore Chapter of IEEE Electron Devices and Solid-State Circuits for a one day Colloquium on Power Devices to be held on Wednesday, October 8<sup>th</sup> at the American Institute of Physics Building in College Park, Maryland. Registration for the event, parking, and lunch at the event are free. For more event information as well as a full list of speakers, please click of the following link:

<http://www.ewh.ieee.org/r2/baltimore/WattsNew/Colloquium-power-devices-08-10-2014.pdf>

To register please contact any of the following organizing committee members:

Dr. Naresh C. Das ([naresh.c.das2.civ@mail.mil](mailto:naresh.c.das2.civ@mail.mil)), Dr. Victor Veliadis ([victor.veliadis@ngc.com](mailto:victor.veliadis@ngc.com)), Dr. Pankaj Shah ([pankaj.b.shah@ieee.org](mailto:pankaj.b.shah@ieee.org))

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## 8. IEEE Signal Processing in Medicine and Biology Symposium (SPMB14)

### When:

Saturday, December 13, 2014

### Where:

Temple University, Philadelphia, PA

### Abstract:

As advances in signal processing become ever more present, the significance of this field becomes more apparent in other engineering fields. This regional symposium, which expects 125 researchers to attend, will address how these advances will help the development of smarter technology in the field of prosthetics and bioengineering. At the event attendees can be assured of two plenary talks, two oral sessions and two poster sessions.

The conference is encouraging all to develop demonstrations or exhibits at the one day event. Presenters may choose to submit **either** of the following:

- An original 4 to 6 page paper for peer review. If the paper is accepted, then it will be submitted to IEEE Xplore and presented at the symposium.
- A one-page abstract describing recent or ongoing work. If the abstract is accepted, then it will be presented at the symposium in a poster session.

**Important Dates:**

**Submission date:** September 1, 2014

**Notification date (if accepted):** October 15, 2014

**Early Registration:** Nov. 15, 2014

*For a list of all the topics presented at the symposium, please review the following charter from the symposium:*

[IEEE SPMB 2014](#)

*Please visit the website for more information regarding all the day's events, directions, dates at the following web address:*

<http://www.ieeespmb.org/2014>

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**9. IEEE Baltimore Section – Watts New - Editor**

Dear IEEE Offices & Members,

If your chapter of IEEE Baltimore Section would like to contribute to the newsletter in the future months with articles, events or discussion topics to the newsletter, then please send [me](#) an e-mail. I look forward to working with all of you in the future and I appreciate the opportunity!

Ryan Klein

*IEEE Baltimore Section Newsletter Editor*