WATT'S   NEW

NEWSLETTER   OF   THE   BALTIMORE   SECTION   OF   THE   IEEE

May   2014

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.

IN THIS ISSUE:

1.   IEEE Baltimore Technology Conference

Date:

 May 8th, 2014
 8:15 AM– 5:00 PM

Location:
   The Grand Historic Venue
   225 N Charles St
   Baltimore, MD 21202

About this Event:

   The Baltimore Technology-Security Conference will occur at the beautiful Grand Historic Venue. Attendees can expect 8 different companies to speak about various IT Security topics such as cloud security compliance, social media security, personal device security, network security and much more! Also, this event will feature over 40 vendor exhibits with amazing door prizes such as IPads, gift cards, Kindles, cash, and so much more.
For IEEE members only, the event will post contact information and logo in the conference directory and on their website. To claim your perk just sign-up at the conference registration table on the day of the conference. $100 value is absolutely free with your member information!

Click on the following link for more information:
Tech Conference 2014 May

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2. **Call for IEEE-USA Nominations**

The IEEE-USA Nominations and Appointments (N&A) Committee asks for your help identifying U.S. IEEE members who may be interested in, and well-qualified for service on IEEE-USA committees and/or in the following IEEE-USA board positions:

- IEEE-USA President-Elect (2016)
- IEEE-USA Member-at-Large (2016-17)
- IEEE-USA Secretary/Treasurer (2015)
- IEEE-USA Vice President - Career & Member Services (2015)
- IEEE-USA Vice President - Communications & Public Awareness (2015)
- IEEE-USA Vice President - Professional Activities (2015)
- IEEE-USA Vice President - Government Relations (2015)

To nominate candidates, please visit our online nominations page at http://www.ieeeusa.org/volunteers/elections/onlineform.html and **make your nomination no later than Monday, 21 May 2014**, so that your nomination can be considered in 2014 for the positions listed above.

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3.   IAS Seminar and Trade Fair

Date: Wednesday, May 21st, 2014

Time:
   1:00 PM – 3:00 PM

Topics of Seminar #1:

   Generator Sizing Theory, Ratings and Generator Mechanics

Topics of Seminar #2:

- Design differences between UL891 and UL1558, arc protection systems and design concerns, ATS cycle ratings, and switchgear generator paralleling. **(2 PDH)**
- The seminar will be limited to the first forty registrations due to space constraints.
- Seminar attendance will include admission to the expo and a catered pit beef dinner after the conclusion of both sessions.

Follow the link to find out more about this exciting event, which includes 2 seminars and over 40 different vendors at a single trade fair location:

IAS May 2014 Seminar

Follow the link below to find out more from the IAS Baltimore Chapter:

http://www.iasbaltimore.org/

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4.   IEEE Electron Devices and Solid-State Circuits Presentation

Date:
   Wednesday, May 28, 2014

Time:
   5:30 – 6:15 PM: Social Hour / Open Bar / Dinner
   6:15-7:30 PM: Presentation

Location:
   National Electronics Museum
   1745 W. Nursery RD,
   Linthicum, MD 21090

Topic:
   "Nano-Engineered Nitrides and Other Reduced – Dimensional Structures – From Materials to Devices"

Speaker:

Dr. Abhishek Motayed,
University of Maryland, Institute of Research for Electronics and Applied Physics.

For more on the speaker please follow the link to the IEEE Electron Devices and Solid State Circuits-Baltimore Chapter website:

http://www.ewh.ieee.org/r2/baltimore/edssc/

An abstract of the presentation and a biography about the presenter will be posted shortly.

If you were to have questions, comments or concerns, please direct them to Dr. Paul A. Potyraj at papotyraj@ieee.org

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5. IEEE-USA Annual Meeting & InnoTek 2014

Registration Now Open for 2014 IEEE-USA Annual Meeting and InnoTek 2014

Conference Date:
15-18 May 2014

Location:
Warwick, R.I. (near Providence, R.I.)

Abstract:
Registration is now open for InnoTek 2014 (16 May 2014), the first IEEE-USA Conference on Technologies for Innovation, and the 2014 IEEE-USA Annual Meeting (15-18 May 2014). Co-located with the Annual Meeting, InnoTek will feature papers and presentations in six topic areas: Agile Manufacturing, Biomedical Innovation, Defense and National Security, Educational Innovation, Energy Conversion and Distribution, and Marine and Ocean Technology.

Following link will give you a general overview of topics at this year's event:

http://www.ieeeusa.org/calendar/conferences/annualmeeting/2014/

The IEEE-USA Annual Meeting provides an unparalleled training opportunity for IEEE's U.S. volunteers and members. The 2014 Annual Meeting program which will provide sessions on:

- basic volunteer training
- interactive workshops honing leadership skills
- opportunities for networking and exchange of best practices

- exhibits on the latest IEEE products and services
- the IEEE-USA awards ceremony recognizing the best of our U.S. engineers

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6.   IEEE PES – Plain Talk Conference

Location:

National Harbor, MD (Washington, D.C. Metro Area)

Co-located with the IEEE PES 2014 General Meeting

Dates:

July 29-31, 2014

Abstract:

One of our missions at PES is to provide education within the marketplace to people that work with, or in, the Power Industry, but are not necessarily formally educated in this technical discipline. The "Plain Talk About the Electric Power System" series was created to meet this educational need. These courses provide insights into the concerns of engineers, the demands of regulators and consumer groups, and the factors and trends that impact the operation of today's electric power systems. The courses are also beneficial for non-power engineers who are transitioning to the electric power industry. As you can see from the sampling of job titles that registered for the courses in 2013 the audience that is interested in gaining this knowledge is broad

Who Should Attend:

Job titles of courses attendees include the following:

- Business Systems Analysts
- Marketing Professionals
- Assistant Risk Managers/Project Risk Administrators
- Business Development Managers/Directors
- Commodity Managers
- Compliance Coordinators/Engineers
- Enforcement Analysts/Engineers
- Industry Managers - Utilities
- IT Client Service Consultants/Solution Architects
- CIP Audits Managers
- Engineering Smart Grid Standards Managers
- Market Development and Intel Managers/Officers
- Risk Managers

- Switchgear Development Engineers

Check out the link to see the course schedules as well as much more:

[Plain Talk Conference](#)

Follow the link below to see more information:

http://www.ieee-pes.org/meetings-and-conferences/conference-calendar/monthly-view/178-education/273-plain-talk-basics-series-in-national-harbor-md-july-29-31-2014-2014

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7. IEEE Baltimore Section – Robot Challenge

To all the volunteers at the 2014 Robot Challenge:

Thank you for doing a fantastic job on Saturday and Sunday. Thanks to a magnificent response from all of you, we deleted the 2nd session on Saturday, added a 2nd session to Sunday, and we finished up with 19 teams on Saturday and 32 teams on Sunday. That's 2 more teams than last year, but everything seemed to go far smoother. We even switched the lunch service to Sunday, and everyone was able to enjoy some nice food, served in-doors on a glorious day.

In previous years, we would see twice the number of teams participate on Saturday as compared to Sunday, but last year it was the reverse - 14 teams on Saturday and 35 teams on Sunday – which we attributed to the Spring Break coming right before our weekend. Following this year's Robotics Challenge, participants would be celebrating their Spring Break and decided that we would have more teams on Saturday rather than Sunday. However, due to the number of snow days and most teams playing catch-up, one week before the event we learned that many more teams wanted to use Sunday rather than Saturday. In any event with the help of our devoted volunteers, this event went off without a hitch. We even completed all Oral Presentations by 3:30 PM on Sunday, which was a record time, and were able to begin the Awards ceremony by 4 PM!

We would like to especially thank the judges. You, being the points of contacts with our students, make this experience particularly memorable to them. Thank you very much for all that you have done for them! Also, I would particularly like to thank Dave Boyd, who managed the Track events, and Brian Sequeira, who ran the Oral Presentations. Jay Gamerman, our co-Director, has been handling all contacts with our schools, supplying them with kits and arranging for mentors, and together with John Dentler, they have been doing all the complex Administrative tasks involved in running this event. Scott Goedeke has miraculously kept up with feeding data from all our judges to the computers that kept the monitor display alive and lively. Bill Semancik and his crew ran the PIT and also created of the complex software that provides the scores in real time to the audience; much to the delight of students and their parents. Jeff Friedhoffer is

the keeper of our web-site, and not only posts the results of the Event and the photos, but also keeps it current throughout the year. Finally, I'd like to thank my daughter Rachel, who kept the teams organized with good humor, and handed out the trophies (with Ariella) during the Awards Ceremony.

It was a great couple of days! On behalf of the IEEE, thank you all so very much!

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8. Call for IEEE Educational Activities Award Nominations

Submission Deadline is 23 May 2014.

The 2014 IEEE Educational Activities Award nominations are now being accepted. Your assistance is requested to find eligible candidates for the ten (10) prestigious awards supported by the IEEE Educational Activities Board:

· Meritorious Achievement Award in Accreditation Activities

· Meritorious Achievement Award in Continuing Education

· Meritorious Achievement Award in Informal Education

· Major Educational Innovation Award

· Pre-University Educator Award

· Meritorious Service Citation

· Standards Education Award

· Employer Professional Development Award

· Society/Council Professional Development Award

· Section Professional Development Award

Descriptions for each of the awards and the applicable nomination forms are found at the following site:

http://www.ieee.org/education_careers/education/awards/index.html

For more information or if you have any questions, please email eab-awards@ieee.org

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9.   Call for Nominations – MGA Outstanding Section Awards

Last Day to Submit Nominations is May 15th!

Each year, the MGA Outstanding Section Awards are presented to one large Section and one small Section (across all Regions), to recognize their excellent work and successful efforts in fulfilling the educational and scientific goals of IEEE for the benefit of the public. The recipient Sections are acknowledged for maintaining, enhancing, and supporting the Student Branches, Technical Chapters, and Affinity Groups within their geographic boundaries.

The MGA Awards and Recognition Committee is excited to announce that a new category (Medium) was recently approved. Beginning this year, three awards will be presented, as follows:

- Large Section = 1,501 or more members (including Students) as of 31 December of the prior year;
- Medium Section = 501-1,500 members (including Students) as of 31 December of the prior year; new in 2014
- Small Section = 500 or fewer members (including Students) as of 31 December of the prior year

To nominate your Section for the MGA Outstanding Large, Medium, or Small Section Award, please go to http://mga-awards-section.fluidreview.com. Follow the links provided to review the selection criteria and submittal instructions.

The deadline for submissions is 15 May 2014. Recipients will be announced in July 2014.

Please note: We welcome all feedback about your experience with the online portal, so that we may continually work to improve the IEEE MGA and Region Awards processes. Please email questions and/or feedback to the Region Awards Chair and MGA Awards Staff (mga-awards@ieee.org).

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10.   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