

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

August 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.

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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. 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.

2. Calling All Engineers & Scientists – DataBay Innovation Challenge

When:

August 1-3, 2014

Where:

Smithsonian Environmental Research Center
647 Contees Wharf Rd,
Edgewater, MD 21037

Abstract:

Muster up your best design solutions to saving Maryland’s most cherished jewel, the Chesapeake Bay, and come on down to Edgewater to compete in the DataBay “Reclaim the Bay” Innovation Challenge. The challenge, which Maryland governor Martin O’Malley has announced to aid in restoration of the Chesapeake Bay, is asking engineers, IT professionals, app developers, and “civic hackers” to design strategies to reverse the negative effects of pollution into our bay. Professionals will be broken up into groups and work with other team members to come up with their best ideas.

Finalists in the contest will have the opportunity to present their ideas to the Governor O’Malley and a panel of entrepreneurs, investors, and environmental scientists later in August. Whichever team has the best ideas will be given a cash prize and the “Governor’s Cup.”

If you have any questions or are interested in competing, then please visit the following website: <http://databay.splashthat.com/>

3. 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:

[IEEE SMPB 14 website](#)

4. IEEE Baltimore Section, Engineering Medicine and Biology Society

When:

August 2, 2014

Time:

11:00 AM – 1:30 PM

Where:

National Electronics Museum
1745 West Nursery Rd,
Linthicum MD 21090

Presenter:

Dr. Lordanis E. Evangelou
*Research Faculty and Assistant Professor of Radiology & Pediatrics – Advance
Pediatric Brain Imaging Research Laboratory, Diagnostic Imaging and
Radiology Children’s National Medical Center at The George Washington
University School of Medicine and Health Sciences*

Abstract:

The first part of the presentation will discuss the Magnetic Resonance Spectroscopy and how this technology will help in unlocking biochemical processes in the developing brain.

The second part of the presentation will discuss the development of IEEE standards and what are the roles of the IEEE- Engineering Medicine and Biology Society Standards Committee in the developing these standards.

Further Information:

Please see the below link to open to flyer for more information regarding this event:

[Technical Colloquium and Professional Development Seminar](#)

5. 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