
[BALTNEWSLETTER] IEEE Baltimore July 2017 Newsletter

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**IEEE Baltimore Section 'Watts New' Newsletter: July 2017****'Multiplexing the Many Signals of this Monumental City'**

In this Newsletter:

[In Search of Nominees for 2018 IEEE Baltimore Executive Committee](#)

[IEEE EMB Baltimore Chapter Meeting and Distinguished Lecturer Series](#)

[Come Celebrate the Invention of the First Atomic Clock with IEEE & NIST](#)

[IEEE International Symposium on Electromagnetic Compatibility, Signal and Power Integrity \(EMC+SIPI\)](#)

[IEEE-RAS Distinguished Speaker Series - Inertial Systems in Robotics and Biomechanical Applications](#)

[IEEE Military Communications Conference \(MILCOM\) 2017](#)

[IEEE Women In Engineering USA East Forum](#)

[CyCon U.S. - International Conference on Cyber Conflict 2017](#)

[Electric League of Maryland Annual Bull Roast](#)

[Contact Details](#)

[Subscription Details](#)

Electric League of Maryland Annual Bull Roast

In Search of Nominees for 2018 IEEE Baltimore Executive Committee

[\(Back to Top\)](#)

IEEE Baltimore Executive Committee

The IEEE Baltimore Section Executive Committee (ExComm) is seeking nominations for officers for 2018. The ExComm is responsible for managing and coordinating Section activities and events, including conferences, continuing education, membership growth, and middle and high school outreach, to name a few. The Section is comprised of 12 Society Chapters and two Affinity Groups (Young Professional Program and Women In Engineering).

We are currently looking to fill the positions are Secretary, Treasurer, Vice-Chair, and Chair. We will be gathering nominations throughout the summer for voting during the fall. If you are available to support the Section in one of these positions, or know of someone who might be interested, please contact me, dkisak@ieee.org. Our goal is to complete the nominations process & distribute candidate resumés by mid-September to allow for voting to occur during November. Thank you for your support!

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IEEE EMB Baltimore Chapter Meeting and Distinguished Lecturer Series

[\(Back to Top\)](#)

IEEE Engineering in Medicine & Biology Society (EMBS) Chapters of Region 2, South Area (Baltimore, Washington, D.C., & Northern VA)

The IEEE Engineering in Medicine and Biology Society (EMBS) Chapters of Region 2, South Area (Baltimore, Washington, D.C., and Northern VA) invite you to attend a Distinguish Lecture (DL) seminar in conjunction with the Baltimore EMB Chapter meeting. The DL evening is also hosted by the IEEE Robotics and Automation Society

When:

Saturday, November 4th, 2017 from 7:00 pm to 11:00 pm.

The Electric League of Maryland invites you to attend the 27th Bull, Shrimp and Oyster Roast at Rosedale Gardens, 8037 Philadelphia Road, Rosedale, MD 21237. Enjoy music from a live band, door prizes, chance auction, raffles and more!

For more information: <http://elmd.org/>

Contact Details

National Electronics Museum
1745 W Nursery Rd
Linthicum, MD 21090

r.klein.us@ieee.org
<http://ewh.ieee.org/r2/baltimore/>

(RAS) and Communications Society(ComSoc) Chapters. Join us for a evening at the National Electronics Museum conveniently located in the Baltimore BWI area and Northrop Grumman.

When:

10:30 AM to 1:00 PM on August 5th, 2017

Topic: Multi-Organ Modeling and Computational Anatomy in Abdominal Imaging

For more information please click the 'Find Out More' link below.

[Find Out More](#)

Come Celebrate the Invention of the First [\(Back to Top\)](#) Atomic Clock with IEEE & NIST

IEEE & National Institute of Standards & Technology (NIST)

When:

Tuesday, August 8th, 2017

All IEEE members are cordially invited an IEEE Milestone recognition celebration. After a rigorous vetting process IEEE has selected the National Institute of Standards and Technology (NIST) to be recognized for the invention of the first atomic clock in 1948.

NIST will celebrate the occasion with a morning ceremony unveiling a plaque commemorating the honor, followed by an afternoon colloquium celebrating the achievement of inventor Harold Lyons of the National Bureau of Standards, now NIST.

The plaque unveiling ceremony will be held outdoors on Connecticut Ave, in Washington D.C., near where the invention took shape at a previous campus for NBS/NIST. During the afternoon colloquium guests/members will view a second plaque unveiling at NIST Administration Building 101, 100 Bureau Drive, Gaithersburg, MD 20899.

The morning & afternoon events will feature several speakers. For more information on the events or RSVP, please e-mail Mary Lou Norris, marylou.norris@nist.gov .

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IEEE International Symposium on [\(Back to Top\)](#) Electromagnetic Compatibility, Signal and Power Integrity (EMC+SIPI)

IEEE Electromagnetic Compatibility Society

When:

Monday, August 7th to Friday, August 11, 2017

Where:

Gaylord National Resort & Convention Center
201 Waterfront St,
Oxon Hill, MD 20745
[\(301\) 965-4000](tel:(301)965-4000)

Abstract:

The 2017 Symposium on EMC+SIPI is the leading event to provide education of Electromagnetic Compatibility and Signal & Power Integrity techniques to specialty engineers. The Symposium features five full days of innovative sessions, interactive workshops/tutorials, experiments and demonstrations, and social networking events.

Topics discussed at the symposium include: Wireless EMC, Radio-Frequency Interference, Smart Grid EMC, Unmanned Aircraft Systems EMC, High-Speed Channel Characterization & Modeling, Signal/Power Integrity Co-design & Co-Simulation, 3D IC and 3D Packaging, & Power Integrity to name a few.

Can't visit the symposium in person? Well, members can register to experience the events via the online symposium.

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IEEE-RAS Distinguished Speaker Series - [\(Back to Top\)](#)
**Inertial Systems in Robotics and
Biomechanical Applications**

IEEE-Robotics & Automation Society, Washington DC & Northern
Virginia Chapter
Co-sponsored by: IEEE-CAS, IEEE-SSIT, IEEE-EMBS

When:

August 18th, 2017 from 6:30 - 8:00pm

Where:

1985 Corporal Frank Scott Dr, College Park, MD 20740
College Park, Maryland
United States 20740
Building: Operations building (next to museum)
Room Number: "A" . Second floor

Abstract:

The use of inertial measurement units (IMUs) in robotics and biomechanical applications is gaining in importance as the size, power consumption and cost of these sensors have all been decreased, mostly as the result of their wide spread use in smartphones and other consumer electronics. IMUs are self-contained devices that can track kinematic information without emitting signals or requiring external references. Because of these technological advances, inertial sensors are becoming the preferred sensing modality for a growing number of applications. Data from inertial sensors, in conjunction with the requisite algorithm development have enabled the development of many important applications. This talk will cover a range of these applications including robot and personal localization. We will also discuss several methods used for mitigating errors in inertial systems such as Kalman filters and zero velocity updates.

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IEEE Military Communications Conference (MILCOM) 2017 [\(Back to Top\)](#)

IEEE Communications Society & AFCEA

When:

Monday, October 23rd to Wednesday, October 25th, 2017

Where:

Baltimore Convention Center
One West Pratt Street
Baltimore, Maryland 21201

Abstract:

At MILCOM, global military communications professionals face command, control, communications, computing, intelligence, surveillance and reconnaissance (C4ISR) challenges head on. They look at them from every angle and discuss them from end to end – research and development through future needs. The conference allows industry the opportunity to hear and understand the requirements, pace of change and state of play in a variety of C4ISR markets serving the military, federal agencies and multinational entities.

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IEEE Women In Engineering USA East Forum [\(Back to Top\)](#)

IEEE Women In Engineering Affiliate Group

IEEE Women-In-Engineering society is asking members to submit papers &/or participate in presentations discussing the following topic areas:

- Mentoring the next generation of female leaders
- Strategies for increasing equity in power and decision making
- Women as leaders in education, industry, and government
- Development: communication skills in written and spoken word, effective dialog
- Cross-cultural aspects of leadership
- What it takes to be a great leader – qualities that all successful leaders share
- Shaping the future by female leaders
- Training vs inherent skills: can leadership be learned?
- Work-Life balance: family systems traditions and changes
- Leadership development for women: overcoming stereotypes
- The design, implementation, and evaluation of leadership from a structural perspective
- Helping girls and young women become leaders – motivating to empower - empowering to motivate
- Exploring the attrition gap – why do women leave the engineering field and what can be done to prevent it.

Email R1R2WIEForum@gmail.com with paper and presentation abstracts for the Baltimore Forum

Deadline for all submissions: Monday, July, 24th 2017.
Decision Notification Date: Friday, September 1st, 2017
Final announcement: Sunday, October 1st, 2017
Forum dates: Thursday, November 30 to Saturday, December 2, 2017

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CyCon U.S. - International Conference on Cyber Conflict 2017 [\(Back to Top\)](#)

The Army Cyber Institute at West Point, CCDCOE & IEEE Computer Society

When:

Tuesday, November 7th to Wednesday, November 8th, 2017

Where:

Ronald Reagan Building & International Trade Center
1300 Pennsylvania Ave NW,
Washington, DC 20004

Abstract:

CyCon U.S. seeks technical, legal, political, military, and economic positions and research related to The Future of Cyber Conflict in the following areas:

- Cyber Diplomacy
- Cybersecurity strategies and policies
- Military strategy and doctrine
- Government, industry, and academia cooperation
- Cyber workforce development and readiness
- Best practices in cyber education and more!

Please contact Paul Maxwell with US Army Cyber Institute at paul.maxwell@usma.edu

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