Dear IEEE Member,

We’re heading from fall into winter here in the Nation’s Capital, and it’s time for your bi-monthly edition of the IEEE-USA Conference Brief.

We have one last 2014 conference scheduled for December, but planning is well under way for the IEEE-USA’s portfolio of 2015 co-sponsored conferences and exhibitions addressing diverse areas of policy and professionalism. Do take a moment to consider making a presentation at one of these upcoming IEEE-USA co-sponsored conferences. Also consider adjusting your schedule to participate in one or more of these established conferences, planned for 2015. As always, if you know of a conference, seminar, or workshop you think IEEE-USA should consider co-sponsoring; or if you have an idea for a new event -- locally or nationally -- please don’t hesitate to contact me.

Best regards,

Charles Rubenstein (c.rubenstein@ieee.org)
Chair, IEEE-USA Conferences Committee

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**UPCOMING CONFERENCES** *(scroll down for more details)*

### 2014 IEEE-USA Conferences Calendar
*(Co-sponsored and/or where IEEE-USA has an Exhibition Booth)*

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<thead>
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<td>17-20 February</td>
<td>Washington, D.C.</td>
<td><strong>IEEE PES Innovative Smart Grid Technologies Conference (IGST 2015)</strong></td>
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<td>Washington, D.C.</td>
<td><strong>Discover Engineering Family Day (IEEE-USA Booth)</strong></td>
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<tr>
<td>14-16 April</td>
<td>Waltham, Mass. (Boston Area)</td>
<td><strong>2015 IEEE International Symposium on Technologies for Homeland Security (HST '15)</strong></td>
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<td>Milwaukee, Wis.</td>
<td>IEEE-USA Annual Meeting (AMTC2015)</td>
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<td>2015 IEEE Great Lakes Biomedical Conference (GLBMC)</td>
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<tr>
<td>30 July - 1 August</td>
<td>Ogden, Utah</td>
<td>IEEE Conference on Technologies for Sustainability (SusTech 2015)</td>
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<td>26-27 September</td>
<td>Queens, N.Y.</td>
<td>World Maker Faire New York (IEEE-USA Shared IEEE Booth)</td>
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<tr>
<td>October</td>
<td>Vancouver, British Columbia</td>
<td>IEEE International Symposium on Ethics in Engineering, Science, &amp; Technology (ETHICS 2015)</td>
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<tr>
<td>October</td>
<td>TBA</td>
<td>IEEE International Conference on Wireless for Space &amp; Extreme Environments (WiSEE)</td>
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<tr>
<td>October</td>
<td>Seattle, Wash.</td>
<td>IEEE Global Humanitarian Technology Conference (GHTC)</td>
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<tr>
<td>October/November</td>
<td>TBA</td>
<td>International Conference on Connected Vehicles &amp; Expo (ICCVE)</td>
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**Coming in 2016: IEEE North American Student Congress! Save the date: July 2016 in New Orleans, La.!**

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**FEATURED CONFERENCE**

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**The IEEE Signal Processing in Medicine and Biology Symposium (SPMB14)**

**Conference Date:** 13 December 2014  
**Location:** Howard Gittis Student Center, Temple University, Philadelphia, Pa.  
Processing Society invite you to participate in a single-day symposium designed to promote synergy between the healthcare industries and signal processing researchers. This year’s program features a special emphasis on big data applications. Featured topics include: Analysis of Biomedical Signals; Medical Imaging and Analysis; Signal Processing in Bioinformatics; Brain-Computer Interfaces; Big Data Applications in Bioengineering; Machine Learning for Big Data; Nonlinear Dynamics and System Models; and Data Resources and Evaluation Frameworks.

Papers of general interest to the disciplines of signal processing and bioengineering are also welcome. The symposium format will include two plenary talks, oral presentations and poster sessions. We particularly encourage graduate students to participate and present their current research. Live technology demonstrations and exhibits are also encouraged.

Register Now

OF NOTE: UPCOMING 2015 CONFERENCES & EVENTS

The IEEE PES Conference on Innovative Smart Grid Technologies (ISGT 2015)

When: 17-20 February 2015
Where: Washington Grand Hyatt Hotel (Washington, D.C.)
Web: http://ieee-isgt.org

The Sixth Conference on Innovative Smart Grid Technologies (ISGT2015), sponsored by the IEEE Power & Energy Society (PES), will be a forum for participants to discuss state-of-the-art innovations in smart grid technologies, and will feature plenary and panel sessions, as well as technical paper presentations and poster sessions. International experts will present tutorials on smart grid applications. The 2015 theme is Smart Grid—Present and Future, focusing on the future migration path for the smart grid, as new and emerging technologies converge with power system developments, to create smart energy systems.

Important Dates:

Paper Submission Now Closed
Author Registration Deadline: 10 January 2015
Early Registration Deadline: 15 January 2015
Discover Engineering
Family Day 2015
(IEEE-USA Sponsored Booth)

**When:** 28 February 2015  
**Where:** National Building Museum (Washington, D.C.)  
**Web:** [http://www.engineeringfamilyday.org](http://www.engineeringfamilyday.org)

Every February, the National Building Museum and the National Engineers Week Foundation invite you to debunk the myths of engineering and discover how professional engineers turn an idea into reality. Celebrate National Engineers Week by participating in this free, hands-on, and fun-filled festival.

Discover Engineering Family Day is a FREE, drop-in program. $5 donation suggested. Program and activities are most appropriate for children ages 6 to 12 with adult supervision. Registration is not required.

Visitors to the 2014 Discover Engineering Family Day were able to meet astronaut Dr. Robert Crouch; see engineer Nate Ball, co-host of PBS' Design Squad Nation; demonstrate the Atlas Power Ascender; make slime; control a robot; build a skyscraper; catapult a Ping Pong ball; test the strength of a building in a tsunami; and meet Curious George and Cat in the Hat from WETA and PBSKids. Consider bringing your children to this educational and fun-filled engineering family event.

2015 IEEE International Symposium on Technologies for Homeland Security (HST '15)

**When:** 14-16 April 2015  
**Where:** Westin Hotel, Waltham, Mass. (Boston area)  
**Web:** [http://ieee-hst.org/](http://ieee-hst.org/)

Produced by IEEE with technical support from DHS S&T, IEEE Boston Section, IEEE Biometrics Council, and IEEE-USA and organizational support from MIT Lincoln Laboratory, Raytheon, Battelle, and MITRE, this event will once again showcase selected technical paper and posters highlighting emerging technologies in the areas of: Cyber Security; Attack and Disaster Preparation; Recovery and Response; Land and Maritime Border Security; and Biometrics and Forensics.

**Call for Papers/Important Dates:**
IEEE 7th Annual Green Technology Conference (GREENTECH 2015)

When: 15-17 April 2015  
Where: Intercontinental Hotel (New Orleans, La.)  
Web: http://ieeegreentech.org

The 7th Annual IEEE Green Technologies Conference (GREENTECH 2015) will address one of the most pressing challenges of our time: securing green and clean energy sources for the 21st century to protect the environment and help build a more resilient power grid. This will require a collaborative effort from many disciplines of engineering, science, architecture and policy as well as among utilities, vendors, regulators, and academics. Electrical energy industry is in a critical phase, as initiatives we take today will affect how the grid will be operated for many years to come.

Important Dates:

Paper Decision Notification: 15 December 2014  
Final Manuscripts Submission: 20 January 2015  
Author Registration Deadline: 20 January 2015

About the IEEE-USA Conference Brief

The IEEE-USA Conference Brief is prepared by the IEEE-USA Conferences Committee. Questions or comments about this Email Update should be directed to: IEEE-USA Conferences Committee Chair, Charles Rubenstein at c.rubenstein@ieee.org.

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