### Upcoming Events

#### August Section and LMAG Meeting

**Microgrids**

- **Speaker:** Emeritus Professor Robert Lasseter, UW-CoE, ECE
- **Thursday, September 8th,** 11:30-12:50 PM
- **Professional Meeting**
- **Fee:** Free (suggested donations for meals)
- **Location:** Sequoya Library
  4340 Tokay Blvd
  Madison, Wisconsin
  United States 53711
- **Room Number:** Meeting Room B

**Details:** Pizza, Cookie and Beverage (Suggested Donation: $5 – IEEE Members, Free – IEEE Student Members, $10 – Others) or Bring Your Own Lunch

**RSVP:** Please Register at the IEEE Madison Section [event page](#).

**Bio:** Robert H. Lasseter received the Ph.D. in Physics from the University of Pennsylvania, Philadelphia in 1971. He was a Consulting Engineer at General Electric Co. until he joined the University of Wisconsin-Madison in 1980. His research interests focus on the application of power electronics to utility systems. This work includes microgrids, FACTS controllers and use of power electronics in distribution systems. Professor Lasseter is the technical lead of the CERTS Microgrid Project, a Life Fellow of IEEE, past chair of IEEE Working Group on Distributed Resources and IEEE distinguished lecturer in distributed resources.

#### October ECN Meeting

- **Thursday, October 6th,** 11:45-1:00 PM
- **Social/Professional Meeting**
- **Fee:** Free
- **Location:** Sector67
  2100 Winnebago Street
  Madison, WI
- **Snacks and drinks are available at Sector67**

**Meeting:** Topic TBD. If you have any ideas, contact Tom Kaminski (tjkaminski -at- iee.org)

### Section News

#### Review of August Meetings

**August ECN Meeting:** Tom Kaminski outlined his recent work to provide cellular modem coverage for a non-profit organization driving around the state. He also discussed possible approaches to get better 4G cellular phone data rates in a home with poor cell coverage. Several others provided their solutions to the cellular data problem. Follow-up: Tom’s bi-directional amplifier/antennas did not work. The cellular modem is working well around the state.

**August Section Meeting:** Steven Nelson gave a comprehensive presentation entitled “Ethics for Electrical Engineers”. He first discussed the relevant law and regulations for the professional engineer (PE) starting with the specific Wisconsin Rules and Regulations. He specifically discussed the difference between “shall” and “may”, the former required, the later optional. Next, the Wisconsin Administrative Code covering the “Professional Rules of
Meetings (starting at 11:30am) to meet the Section Board members and discuss intentions.

You are invited to attend the informal networking portion of the monthly Section meetings (starting at 11:30am) to meet the Section Board members and discuss intentions.

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**Upcoming Meetings**

**September Joint Section and LMAG Meeting:** Professor Robert Lasseter will give a talk on the emerging microgrid technology. Despite having retired, Dr. Lasseter is heavily involved in this important new area. His understanding of the pertinent technical issues will help us to understand this increasingly important technology for distributed power generation. The meeting is at Sequoya Library. Note the parking restrictions for on-street parking near the library.

**Vote: IEEE Elections**

By now you should have been informed on-line or with a mailed notice about the open IEEE elections. This year’s vote is particularly important because of a proposed change in the bylaws. The proposed amendment has generated a lot of controversy. At least four of the IEEE Societies (PES, PELS, RAS, and CS) have sent messages asking members to reject the amendment. Please review the issues and VOTE. (Editor’s Note: I voted on-line and almost missed the vote on the amendment. It is the first entry you vote on, but is “hidden” in the instructions. Based on the vocal opposition of societies I am a member of and contact with delegates to the past few IEEE conferences, I decided to vote against the amendment.)

You can access the on-line ballot and learn about the candidate’s positions by following this voting link. The process also lets you review candidate’s statements prior to voting for them. You will need an IEEE login to vote on-line. You can access your account (or create one if you do not yet have one) by visiting this IEEE account page.

**Volunteers Needed**

**Micro Volunteers:** Do you have some time to spare to help IEEE-Madison Section? Perhaps you have a meeting topic that you would like to see us host and could find a speaker. Maybe you have time to call a few members who might have forgotten to renew their membership.

Please consider sending some time helping with the Section activities. Let me know (tjkaminski(at)ieee.org).

**Regular Meetings**

**Section Meetings**

The third Thursday of January through May, and September through December is reserved for a meeting to provide recent research, developments, trends and/or innovations in one of our membership’s technical areas.

**Life Member Affinity Group**

The first Thursday of January, March, May, September and November is reserved for a meeting on a topic selected from a broad range including such areas as technology, science, history, culture and leisure.

**IEEE-MSN-ECN Networking Meetings**

- **Purpose:** Presentations, Discussions, networking
- **Date:** First Thursday of even-numbered months
- **Time:** 11:45 AM to 1:00 PM
- **Location:** Sector67, 2100 Winnebago Street (East Side of Madison)
- **Parking:** Park in lot or on Winnebago Street.
- **Process:** Members are encouraged to make introductions, describe endeavors, and make request for: contacts in target companies, needs, resources.
- **Contact:** For assistance, call Tim Chapman 2 0 6 - 2 5 7 0

**Membership Upgrades**

Those interested in upgrading their IEEE membership level should send their resumes or other information showing five years of significant performance in an IEEE-designated field to Charles J Gervasi via email at cj(at)cgervasi.com. Madison Section Board will attempt to find Senior IEEE members knowledgeable in the applicant’s area of practice who may be able to provide references. You are invited to attend the informal networking portion of the monthly Section meetings (starting at 11:30am) to meet the Section Board members and discuss intentions.

**About IEEE**

The Institute of Electrical and Electronics Engineers or IEEE (read Eye-Triple-E) is an international non-profit, professional organization dedicated to advancing technology innovation and excellence for the betterment of humanity. IEEE and its members inspire a global community through IEEE’s highly cited publications, conferences, technology standards, and professional and educational activities. It has the most members of any technical professional organization in the world, with more than 300,000 members around 150 countries. The IEEE consists of 38 societies, organized around specialized technical fields, with more than 300 local organizations that hold regular meetings. Discover what IEEE Member Discounts can offer you. The Member Discounts portfolio consists of insurance products and programs

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for the home, office and travel, all at excellent group rates and reduced pricing. Visit IEEE Member Discounts to see what’s available in your location and enjoy the savings. For more information, please visit: IEEE.ORG.

* Madison IEEE Section*

The IEEE-Madison Section of the IEEE is a section in Region 4 of the IEEE-USA organized to serve IEEE members in the Madison, WI area with over 600 members. The 2016 Officers and Board Members are Charles Gervasi - Chair, Matthew Bartlett - Vice Chair, Tom Kaminski - Treasurer, Steve Schultheis - Secretary, Timothy Chapman - Webmaster, Tom Kaminski - ECN Chair, Dennis Bahr - Engineering in Medicine and Biology Chapter Chair, Ann E. Thompson - Educational Activities Chair, Charles Cowie - Life Member Affinity Group Chair, Chuck Kime - Life Member Affinity Group Vice Chair, Scott Olsen - Membership Development Chair, Members at Large: Mitch Bradt, Clark Johnson, Craig Heilman, Dennis Bahr, Sandy Rotter.

* Job Openings*

Check out WIEES.com for electrical engineering jobs in Madison and the surrounding region. This site is maintained as a service for electrical engineers. Jobs are displayed starting with the most recent postings first. You can filter results by location and job type. If you are hiring an electrical engineer in our area, for full-time or contract work, you can post the job in the Contact Us section on the WIEES.com site. Here is a sampling of the new job listings:

- Director of Grainger Engineering Design Innovation Laboratory, University of Wisconsin - Madison
- Hardware Engineer, Milwaukee
- 6-Month RF Contract Project in Minneapolis

* Sponsored Content*

Michel Mardigian, Author of Latest EMC Design Book


joins instructors Donald L. Sweeney, Roger Swanberg & Tim Lusha

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**October 4-6, 2016** (Tues. - Thurs.)

Hilton Hotel, Northbrook, IL

$300 discount if you register by September 13, 2016.

We are also offering a special 50% discount on the October seminar to attendees of previous D.L.S. seminars who used the 1st or 2nd edition.

Classes fill quickly so register early

email cgrowowski@dlsemc.com or call 847-537-6400

www.dlsemc.com/seminar

Don't forget to schedule your free product review when you register.

* Contact Us*

The IEEE-Madison Section has a number of volunteer positions open if you are interested in helping out. Please direct any questions or comments to Tom Kaminski (Newsletter Editor) via email to tjkaminski(at)ieee.org.

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