



Madison Section Newsletter

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Serving IEEE Members of South Central Wisconsin

June 2019

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Upcoming Meetings

IEEE ECN Meeting: "Packaging SoCs"

Date/Time: Thursday, June 20th, 11:30 am - 1:00pm

[Meeting Info](#)

News/Announcements

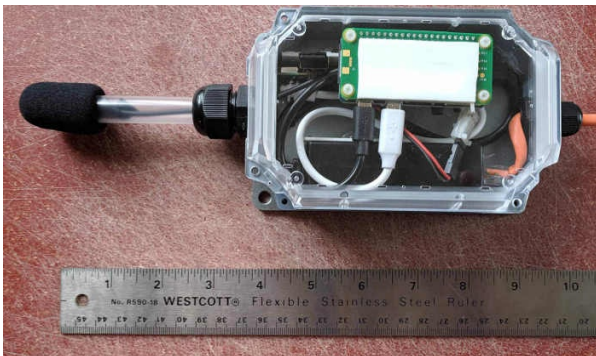
American Made Solar Prize Networking Meetup
Volunteers Needed! See below for more information
It's time to Renew you IEEE Membership!

Past Meeting Reviews

Review of May LMAG Meeting

Upcoming Meetings

June ECN Meeting: "Packaging SoCs"



- Thursday, June 20th, 11:30AM - 1:00 PM
- Meet and Greet and BYO Lunch first
- Talk by Tom Kaminski followed by open discussion
- Location:
Sector67

56 Cory Street, Madison, 53704

[event page](#)

Title: "Packaging SoCs"

Talk: Inexpensive System-On-a-Chip devices have radically changed the application of digital processing to common problems. The Raspberry Pi has now become the third most prevalent general purpose computer (after the PC and Apple devices) in the world. It can also be used to implement instruments and serve as a system integration device. Several packaging and powering options will be shown including, wall-warts, SoC Blades, Power-Over-Ethernet (PoE), Fake PoE and battery powered options. Bring your preferred solutions to the discussion.

Speaker: [Tom Kaminski](#) is a retired instructor of Automation from Madison College. He has been working on using SoCs to solve system integration problems for years and has several products using SoCs under development, including a Sonic Boom recorder for use by NASA, a Community Noise Monitor, and a Light-Rail Ride Quality device.

Reviews of Past Meetings

Review of May Section/LMAG Meeting: "Tour of WEI"

Mary Blanchard - WEI Associate Director led the WEI Tour and explained about current WEI research and partnerships. The tour started with a visit to the high bay lab of the Wisconsin Electric Machines and Power Electronics Consortium (WEMPEC). Next, we visited a lab space of the Great Lakes Bioenergy Research Center, a Department of Energy-funded center focused on developing sustainable biofuels and bioproducts.



News/Announcements

- **American Made Solar Prize Networking Meetup:** Sector67 will be hosting a connector event for the [American-Made Solar Prize](#) on **June 17th at 7PM**. Stop in to Sector67, 56 Cory Street, for a discussion on solar power (speaker TBA), meet with potential team mates, hear about existing challenges and future advances in the field.

\$3,000,000 in prize money is available through the contest, which is open to any competitor - the submission deadline is coming up on July 16th, 2PM E.T. First round winners (20-40 submissions chosen) receive up to \$50,000 in prize money to work forward on their idea for further submissions with subsequent rounds featuring \$200,000 and \$500,000 in prize money allocated to winners.

YOU can participate to win a \$1,000 award just for identifying industry areas that can use attention from entrants by July 5th.

- **Volunteers Needed:** Are you interested in volunteering? If so, IEEE Madison is looking for a few people interested in a few exciting new volunteer positions. First, the Executive Committee is looking to fill a new position of auditor. This position will work with the Treasurer and the Executive Committee to review all expenditures and ensure that IEEE Madison remains compliant with all IEEE policies and procedures, as well

as applicable laws. The auditor will also serve on the Finance and Audit committee. If you are interested and wondering how much time this volunteer position will require, it is estimated that it will be at most a couple hours per month. If you are interested, please contact Nathan Toth, IEEE Madison Section Chair, at tothnj@ieee.org.

Secondly, IEEE Madison will be forming an Ethics Committee. The purpose of the Ethics Committee will be to foster awareness of ethical issues, promote ethical behavior among members of IEEE Madison, and advise the Executive Committee on IEEE Ethics policy and concerns. The Ethics Committee will consist of 3 or more members of IEEE. For those interested in volunteering for the ethics committee, please contact Nathan Toth, IEEE Madison Section Chair, at tothnj@ieee.org. The time commitment for this committee will be approximately 2 hours per month.

Volunteering for IEEE Madison helps to grow a community of engineers, scientists, and technologists in the Madison area.

If you are interested in any of the above positions or are interested in volunteering for any other position or task, please contact Nathan Toth at tothnj@ieee.org.

- **Renew your IEEE Membership:** It is past time of year to renew your IEEE Membership and help support the Madison Section. However, you can still renew! A portion of your dues goes to financially support the Section, allowing us to host events with little or no cost to members. To renew your membership, click on this [RENEW NOW](#) link.

IEEE Madison Leadership

- Section Chair - Nate Toth
- Section Vice Chair & dash; Hugh Schmidt
- Section Treasurer - Tom Kaminski
- Section Secretary - Mike Stemper
- Webmaster - Nate Toth
- PES/IAS Chair - Dan Ludois
- PES/IAS Vice Chair - Eric Severson
- PES/IAS Secretary/Treasurer- Mike Stemper
- EMB Chapter Chair - Dennis Bahr
- Life Member Affinity Group Chair - San Rotter
- Life Member Affinity Group Vice Chair - Charles Cowie
- ECN Chair - Tom Kaminski
- Young Professionals Chair - Nate Toth
- Members at Large: Clark Johnson, Craig Heilman, Dennis Bahr, San Rotter.

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](mailto: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.

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 in 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 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.



