

• Upcoming Events

◦ December ECN Meeting “Year-End Meet and Greet”

Entrepreneurs and Consultants Network



Madison, WI

- Topic: Your Activities
- Thursday, October 6th, 11:45-1:00 PM
- Social/Professional Meeting
- Fee: Free
- Location: Sector67 2100 Winnebago Street
- Pizza and Drinks (Free)
- Please Register at the IEEE-Madison [event page](#).
- Non-member guests are always welcome.

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Talk: Be prepared to give a brief introduction to what you do (“Elevator Speech”). This is your opportunity to discuss your company, or your consulting expertise.

◦ December EMB-018 “Wisconsin NITRO Lab”



- Speaker: Dr. Justin Williams, Chair Biomedical Engineering Department
- Topic: The Neural Interface Technology Research and Optimization (NITRO) Laboratory
- **Date/Time:** In December — TBD (Check the Evnet Page)
- Professional Meeting Joint IEEE-Madison Section and Madison EMB18 Engineers in Biology and Medicine Chapter
- Fee: TBD (Check Event Page)
- Location: TBD at: UW-Madison College of Engineering
- RSVP: Please Register at the IEEE Madison Section [event page](#).

Non-member guests are always welcome.

About: The Neural Interface Technology Research and Optimization (NITRO) Laboratory is part of the Department of Biomedical Engineering at the University of Wisconsin-Madison. The goals of our lab are to 1) develop new devices for recording from and stimulating neural tissue, 2) design these devices to be both durable for long-term implantation and safe for use in humans and animals, and 3) use these technologies in a variety of situations, from use in a basic physiology lab recording from single neurons, to clinical settings where people with motor disabilities might benefit from a brain-computer interface or other neural prosthetic communication device.

◦ Section News

▪ Review of October ECN Meeting

Barry Orton gave a short history of the telecommunications industry and what has transpired as cable operators and broadband networks were acquired and spun off. He then outlined the goals and objectives of the City of Madison proposed FTTP network building in part, on the existing fiber backbone that the city installed with money from the Economic Recovery Act. Barry summarized the CTC study for the group and outlined the next steps that he expects to be completed soon. He has also prepared an Executive Summary of the CTC report that is available [here](#).

▪ Upcoming/Canceled Meetings

November LMAG Meeting: A tentative tour of the Wisconsin Energy Institute was cancelled due to scheduling conflicts. The November Section Meeting was to be joint with LMAG. It will be rescheduled in 2017.

▪ **Vote: Madison Section Elections**

Madison Section Officer Nominations and Elections are nearly at hand. You will be receiving an e-mail ballot in December for Section Officer Elections. If you are interested in more information or in running for office, please contact the Vice Chair, Matt Bartlett (email: matthew.m.bartlett (at) ieee.org).

▪ **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.

◦ **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 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

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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 -

◦ 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:

- Electronics Engineer, Four Lakes Technology - Madison
- Optical Design Engineer, Electronic Theater Controls, Middleton

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MADISON SCIENCE MUSEUM

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Visit

The Madison Science Museum focuses on Wisconsin's unique history and continuous success as an innovative center of science, engineering, and biotechnology. The museum is located at 211 N. Carroll St. on the 6th floor, and shares its space with the downtown Madison College.

Come and explore our exhibits!

Admission is free. Donations are gladly accepted.

Parking is available across the street from the museum at the Carroll Street Capitol Parking Garage, 214 N. Carroll Street, Madison WI

Our regular hours are Wednesday & Friday 12pm-5pm, Thursday 2pm-7pm, and Saturday 9am-3pm.

We are closed Sunday-Tuesday.

Volunteer

Welcome Desk – Docents – Event Planning
Development – Fundraising – Outreach
Communications – Marketing – Membership
Exhibit and Graphic Design – Exhibit Fabrication
Collections Management

Donate

Please help us to sustain your Madison Science Museum and develop new exhibits. The museum is seeking both financial and in-kind donations including possible exhibit items and documents. Contact the museum for details.

The Madison Science Museum is a non-profit, tax-exempt, 501(c)(3) organization and a member of the Wisconsin Federation of Museums.

◦ 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](mailto:tjkaminski(at)ieee.org).

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