

Electric Vehicle Charging Technology

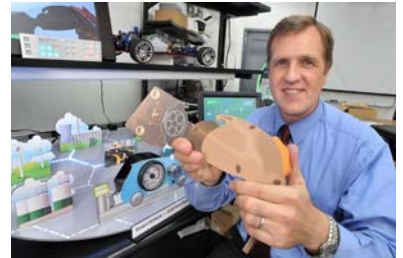
Date: **Wednesday, March 13, 2013**

Time: 12:00pm - 1:00pm

Speaker: Theodore Bohn, Principal Engineer,
Argonne National Laboratory

Agenda: Informal networking will begin at 11:30am.
Presentation will begin at 12:00pm.

Location: Promega BioPharmaceutical Technology Center
5445 E Cheryl Pkwy, Room Number: 122
Fitchburg, WI 53711



Menu: Lunch meal provided: \$5 for IEEE members, \$10 for non-members, **free for students.**

RSVP: Deadline: Mar. 13. Go to https://meetings.vtools.ieee.org/meeting_view/list_meeting/16591 to register. Please send questions or difficulties to CJ Gervasi at cj@cgervasi.com

Abstract

As Plug-in Hybrid Electric Vehicle (PHEV) and full electric vehicles become more mainstream, the implementation of fast charging standards is becoming a critical issue. In this presentation, Ted will describe the technologies employed in AC level 1 and 2 as well as DC level 1 and 2 charging equipment. Further he will elucidate the potential of wireless charging technologies, the challenges they present and the state of standards development. Ted has been involved with the development of both conductive and inductive electric vehicle charging standards for 20+ years, since the SAE J-1772/1773 standards were first drafted.

Biography

Theodore Bohn is a principle investigator for Grid Connected Vehicle (Smart Grid/Advanced Charging) research in the Vehicle Systems Group with the Center for Transportation Research at Argonne National Laboratory. The main focus of this effort includes in-vehicle traction battery subsystem benchmarking and validation as well as power electronics and embedded systems control optimization of the electric powertrain in PHEVs. Bi-directional power converter controls in the context of SAE and IEEE standards developments.

IEEE Entrepreneurs & Consultants Network, Madison Networking Meeting

Date: **Thursday, April 4, 2013**

Time: 12:00pm to 1:00pm

Purpose: Presentation, topic TBD.

Location: **Sector67** (East Side of Madison)
2100 Winnebago Street
Madison, 53704

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. Bring your elevator speech and rolodex!

RSVP: Tim Chapman (PrettyGoodGUIs@TrueNym.NET), 608-206-2570

Vol. 16, No. 3

Serving IEEE Members of South Central Wisconsin

March 2013

SECTION Meetings

The third Thursday of Jan.–May and Sep.–Dec. is reserved for a meeting to provide recent research, developments, trends and/or innovations in one of our membership's technical areas.

NETWORKING Meetings

The first Thursday of even numbered months is reserved for a meeting to provide networking opportunities for members who are consultants or entrepreneurs. Bring your elevator speech and rolodex!

Section Meeting Schedule for 2013 (schedule subject to change)



January 17, Reference Models for e-Logistics
February 15, Engineering Ethics

March 13, Electric Vehicle Recharging
by Theodore Bohn

March 29, Engineering Ethics
by Blake Wentz, CPC, LEED ®AP

April 18, TBD

May 16, TBD

August 15, TBD

September 19, TBD

October 17, TBD

November 21, TBD

December 19, TBD

Talks in the Works:

- Medical records for mobile technology
- More recent changes to patent law
- More on filter design from CoilCraft
- Distinguished Lecturer (for the fall)

Networking Meeting Schedule for 2013 (schedule subject to change)

February 7

April 4

June 6

August 1

October 3

December 5

Ethics Seminar – March

Due to the overwhelming demand for the last ethics Seminar in February, we are holding our third engineering ethics seminar!

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SELECTION OF OFFICERS

At the December monthly meeting, the IEEE Madison Section conducts its annual officer elections prior to the Presentation. **Vote by 12/19. Go to:** voting.vtools.ieee.org.

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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 (cj@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.

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IEEE Madison Section Newsletter

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Our members have professional interests in computers, power engineering, signal processing, communications, industry applications and a number of other technical fields

For more information, contact Mitch Bradt at 608-263-1085 or bradt@wisc.edu.

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