

IEEE MINI CONDUCTOR



Dayton Section Mtg

Tue Feb 10, 6:30 – 8:30 PM

The Dayton Section meeting will be held at

WSU Kettering Center

Next to Engineer's Club on Monument St. Downtown

Free Parking

Please attend!! We need inputs for this year's activities

Just Show Up! All Welcome

Communications Society Kick Off Mtg

Mr. Matthew Shuman has started the steps to form a new IEEE Dayton Chapter in Communications, with the help of Dr. Bin Wang, they will have monthly meetings at Wright State University and a kick-off meeting this month. Please note that they need more signatures from members of the Communication Society!

Date: 26 February 2009, Time: 12:00 – 1:00

Place: Room 499, Russ Engineering Center, Wright State Univ.

Topic: Open discussion about future speakers, activities and topics for chapter meetings. This will be the first meeting kicking off the IEEE Communications Chapter for Dayton.

****All Welcome****



New Publication from the IEEE-USA Energy Policy Committee -
IEEE-USA National Energy Policy Recommendations - 2009

(<http://www.ieeeusa.org/policy/energyplan/default.asp>)

Miami Valley Consultants Network

**2nd Friday of each month 11:30am at the Engineer's Club.
Please RSVP 937-228-2148.**

We will discuss topics that will help members market, sell & complete consulting assignments.

<http://members.aol.com/mvohconsultants/>

ATTENTION STUDENT MEMBERS

The **student area** in IEEE gives a lot of good info including challenge projects, announcements, and free software available to student members. <http://www.ieee.org/web/membership/students/index1.html>

Real World Engineering Projects can be really valuable in attracting new members (particularly student members) by giving them projects related to real-world problems

<http://www.ieee.org/web/education/university/RealWorldEngineering>

Try engineering similarly encourages students to become engineers by giving insight into what engineers do. <http://www.tryengineering.org/>

Many chapters of the IEEE have consulting groups that meet regularly and help members to network. You can add a member to the on-line **IEEE-USA consultants database** for a nominal fee at

http://www.ieeeusa.org/business/consultants/cgi-bin/consultant.cgi?task=display_page/page=home.html



Directory

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IEEE Dayton Section Fellow Nomination Chair
 Dr. Paul McManamon

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ACTIVE CHAPTERS

Antennas & Propagation: Microwave Theory & Techniques (APS/MTT)
 Andrew Tersuoli 255-3636-4715 a.j.terzuoli@ieee.org

Aerospace and Electronic Systems (AES) Society Chapter.

Bill Baldygo
 Erik Blasch



Computer Society:
 Bret Givens



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Systems, Man & Cybernetics Society and Engineering in Medicine & Biology Society (SMCS & EMBS)

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COMUNICATION CHAPTER:

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Tech Talk: Attack of the Wireless Worms

Recent research has shown that a new and disturbing form of computer infection is readily spread: the epidemic copying of malicious code among wireless routers without the participation of intervening computers. Such an epidemic could easily strike cities, where the ranges of wireless routers often overlap.

Chairman's Corner



Dr. Robert Ewing

Since 2003, **TechFest** has served over 10,000 of our Dayton youth, where over sixty exhibitor's present innovative technology. The IEEE Dayton Section and the help of the WSU IEEE student chapter developed an IEEE booth for TechFest 2008, **TechFest 2009 to be held at Sinclair Community College on February 14 & 15, '09**. This program is organized and carried out by volunteer members of the Affiliate Societies Council (ASC) of Dayton, a nonprofit org. WSU developed a poster board or backdrop for the booth as well as to construct several 'follow the wire path' games. The follow the wire path game consists of a curved wire attached to battery and light/buzzer, the other lead of the battery goes to a wire loop. The goal of the game was to maneuver the loop around the wire curves without activating the light/buzzer.

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IEEE Dayton section will be sending three special delegates to two Science Day events (**Montgomery County Science Fair, March 7, '09** and **Western District Science Day**) from which we select student projects that best advance the electrical engineering profession and honor them with a savings bond and dinner at our awards banquet on the 25th of April, 2009. **POC: Gary Lynch, gary.lynch@ieee.org**

IEEE Dayton Section & AES are sponsoring the **National Aerospace and Electronics Conference (NAECON)**. NAECON is the oldest and premier IEEE Conference presenting research in all aspects of theory, design, and applications of aerospace systems and sensors. For 2009, NAECON is exploring new research and contributions for core intelligent aerospace sensor integration in the following areas; Innovative Aerospace Technology, Intelligent Sensory Exploitation and Wireless & Information Interoperability. The conference will continue a series of, **"NAECON Grand Challenge Problems", this year being "Signals of Opportunity**. Teams for the NAECON Grand Challenge will present research at **The Ohio Innovation Summit OIS 09** (Formerly Ohio Nanotechnology Summit) on **April 22, 2009** at the Dayton Convention Center. Three finalists will be chosen for NAECON 2009 presentations, with final papers being due for the NAECON conference. NAECON Conference date is 21-23 July 2009, at the Holiday Inn, Fairborn. See www.naecon.org. IEEE Dayton Section Student Paper Winners will be invited to the conference. **Conference Paper Due (IEEE format, 8 page max) - May 4, 09**, Notification of Acceptance - May 18, Submission of camera-ready paper - June 19.

Dr. Paul McManamon has agreed to be the **IEEE Dayton Section Fellow Nomination Chair**, appointed by the Section Chair. Dr. McManamon will kept abreast of the Fellow nomination schedule and process, convened meetings of the Fellow Nomination Committee (comprised of the Fellows in the section and a few other committee members like the Section Chair, identified Senior Members eligible for nomination to Fellow grade, and seek out nominators to "shepherd" the nomination process for each nominee (recruit references and endorsers, make contact, provide nomination material, call to remind about deadlines, check with IEEE HQ to ensure packages were submitted on time, etc.

Bill Baldygo and Erik Blasch have agreed to start up and thus bring back to Dayton, an **Aerospace and Electronic Systems (AES) Society Chapter**.

Ms. Felicia Harlow will be attending the **2009 IEEE-USA Annual Meeting: "Engineering the Alternative Energy Debate"** which is on **26 February - 1 March 2009** at the Salt Lake City Marriott City Center in Salt Lake City, Utah for the IEEE Dayton Section and Region 2. Material will be collected for a Fall IEEE Dayton Section Lecture on "Alternative Energy".

Robert Ewing, Chairman



IEEE Dayton Section - Chairman's Social

Vanguard Concert, Sat. March 14, 2009

As a group, the IEEE Dayton Section will be attending the Vanguard Concert. Please mail your checks to our IEEE Dayton Section, 1700 East Stroop Rd, P.O. Box 291885, Dayton OH 45429 by **23 February** or email robert.ewing@ieee.org

Vanguard Concerts brings its 46th season of the world's top chamber music ensembles and soloists to The Dayton Art Institute's magnificent NCR Renaissance Auditorium.

Robert Belinić, Guitar Acclaimed as "a genius, a poet, a super-sensitive musician," the young Croatian Robert Belinić has given recitals in the United States at Carnegie's Weill Recital Hall, Merkin Concert Hall, La Jolla Music Society, and many music festivals. He won the 2002 Ivo Vuljevic Award as "the best young Croatian artist."

The concert is at **8:00 p.m.** in The Dayton Art Institute's NCR Renaissance Auditorium.

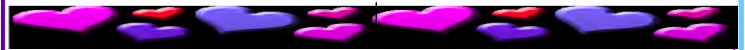
Single Tickets: Adults \$20, Students \$15

IEEE Dayton Award's Banquet

Sat. April 25th, 2009

The 2009 IEEE Dayton Section Awards Banquet will be at the Charity Early Auditorium in Sinclair's Ponitz Center on April 25 (Saturday) Chapter Seminar Speakers/ science fair displays start at 5:00pm.

Dinner is at 7:00pm, followed by the keynote and awards program. The new format for the IEEE Awards Banquet will enable each IEEE Dayton Chapter to meet before the Banquet dinner, and to present upcoming activities to the Section.



IEEE Global History Network (GHN)

The new wiki-based GHN will collect in one place the historical resources of IEEE, its units, and its members... who will be able to preserve their own role in the history of IEEE technologies.

The former Virtual Museum site automatically forwards to the GHN, but we hope you will check out the GHN at <http://www.ieeeghn.org>

Prefer to get the mailed version of the Mini? Contact Bob Cooper 298-2062 or Bobc9101@sbcglobal.net

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