

IEEE MINI CONDUCTOR



Dayton Section Meeting

Tue Dec 9, 6:30 – 8:30 PM

The executive committee meeting will be held at the Kettering Center 2nd Flr Conf. Rm (next to the Engineer's Club 140 E Monument St Downtown Dayton. Free Parking

Just Show Up! All Welcome

Networking Know-How

By Susan Karlin

Using online networking sites could land you your next job.

Looking for a job? Even if you aren't, it's important to remember that the era of lifetime employment at a single company is over. Sooner or later, most of us are going to find ourselves looking for a new employer. Bearing that in mind, you need to make sure that your next job is a step up, not a stopgap, and one of the best ways to do this is by networking with others in your industry and related fields, even while you're happily employed.

Career-related professional organizations, such as the IEEE, are an ideal way to build networks. Attending local chapter events, or better still, getting involved with running a society, will make it more likely that when you send your job application to a business, you won't be a complete unknown.

"Engineers are mostly introverts, but eventually they're going to have to get their faces out of the computer," says Mark Mehler, coprincipal of

EMB-SMC & SP Society Meeting

Modeling Human Behavior in Support of System Design and Training: an Overview of our Recent Research and Simulation Efforts

Speaker: Mr. Jeffrey A. Doyal
Manager, Warfighter Modeling Programs,
Science Applications International
Corporation (SAIC)

This talk is free and open for both IEEE and non-IEEE members

Monday, December 8th, 2008 11:30 am-12:30 pm

Location: Brandeberry Conference Room,
292 Joshi Research Center,
Wright State University
3640 Col Glenn Highway
Dayton, OH 45435



Questions: Contact Dr. Michael Haas, 937-255-8768 or
Michael.haas@wpafb.af.mil

Food: Pizza and soft drinks provided
contributions accepted but not required

Networking Know-How Cont.

CareerXroads, a recruiting technology consulting firm in Kendall Park, N.J. "Technology is not what's going to get you a job. You still have to call up and meet the contacts you make.

"The Internet and online social networks are great tools for gathering names and information" that can stand you in good stead, Mehler advises. He is referring to the latest trend in online job hunting and hiring: tapping social and professional networking sites. These sites typically allow you to post a profile, listing information about yourself as well as services and skills you have to offer. What's more, reciprocal connections can be made between the profiles of different users, allowing for friend-of-a-friend style introductions. This is known as a "six degrees of separation" model, named for the theory that states that every human being is connected by a chain of at most six people. The sites also enable people to forge long-term business relationships around outside interests and skill sets.

Read More online at

<http://www.spectrum.ieee.org/nov05/2127>



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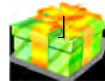
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Chairman's Corner



Dr. Robert Ewing

Our 2nd annual Fall Lecture Series was at Dayton Engineers Club on 18th November from 7:00 pm -9:00pm. Dr. Krishna Shenai, Professor and Chair, Electrical Engineering and Computer Science Department, The University of Toledo was the keynote speaker and presented his talk entitled "Smart Sensors and Intelligent Wireless Networks: Powering the 21st Century Global Economy". Our thanks to Dr. Kenneth Hopkinson, Air Force Institute of Technology, Student Branch Advisor for his selection of an excellent keynote speaker. Dr. Shenai presented a novel cognitive information management framework and its implementation using a behavioral modeling approach with logical deduction and formal specification methods. He then demonstrated novel smart soil and environmental sensors and their integration within this framework. These sensors are specifically designed for large-scale applications in agriculture manufacturing, environmental monitoring and control, and management of water, energy, and healthcare systems. He concluded with other potential applications of this technology in key military, space and commercial sectors.

We hosted the Expert Now modules at the University of Dayton on November 22 from 12:00pm to 5:00pm. Our thanks to Christopher McGuinness, Student Chapter Chair, and other IEEE student members of the University of Dayton for organizing this event. The Dayton Section supplied the pizza and refreshments to an excellent turn-out of students and professional engineers. Three Expert Now Modules were:

- Terahertz Sensing Technology
- Biometrics: Solutions for Security and Authentication
- Information Theoretic Learning in the Artificial Intelligence.



We have only a few more weeks that we can offer the Expert Now modules. Please let us know your interest in seeing another "Hosting of Expert Now Modules at the University of Dayton". Just email me your interest.



Upcoming activities that we need IEEE Dayton Section Involvement in are the following:

IEEE Dayton section will be sending three special delegates to two Science Day events (Montgomery County Science Fair, March 7, 2009 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 18th of April, 2009.(POC: Gary Lynch, gary.lynch@ieee.org)

Since 2003, TechFest has served over 10,000 of our Dayton youth, where over sixty exhibitors present innovative technology. The IEEE Dayton Section and the WSU IEEE student chapter developed an IEEE booth for TechFest 2008. We would like to see one of our IEEE student chapters develop a booth for February 14 and 15, 2009 in Buildings 12 and 13 of Sinclair Community College.

Robert Ewing, Chair

NAECON 2009 Conference

IEEE Dayton Section is 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. See www.naecon.org for details of the Grand Challenge. 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 '09 Conference date is 21-23 July 2009, at the Holiday Inn, Fairborn, Ohio. See www.naecon.org.

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/>

**Do you prefer to get the
mailed version of the
Mini?**

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