



Wavelengths



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IEEE Southeast
Michigan Chapter

**Deadline for the
April issue is
March 31!**

Chapter II - Vehicular Technology

Richard Tengler, Chairman



We have been sending out a special newsletter for our chapter member that we hope they find good reading and effective notification of our meetings and locations. We are the first chapter to have a periodic newsletter. We couldn't have asked for a better response from our membership and the information exchange has been outstanding. Not only have we been able to anticipate attendance, but we have established more regulars. I have had a good deal of feedback regarding our sessions and good suggestions as to what our membership wants in the way of future speakers.

We have deliberately rotated locations of the chapter meetings about the metro area to accommodate our membership. We find that the time spent in going to chapter meetings after dinner is not as imposing if they are right around the corner. We also have experimented with having meetings during the workday in the hopes that if they were held at your work locations we would be more likely to receive new attendees. Unfortunately, that didn't work out, and we have returned to having the meetings in the evenings.

Our recent sessions have included presentations on "The Vehicle Battery: Its Development and Validation", "On Board Diagnostics", "Exhaust Gas Recirculation Electronics", "Thrifting Costs from a 2004 Vehicle", "New Advances in Reduction of Vehicle Weight", and "Consultation in Electrical Engineering". Once again, let me invite you to send me an e-mail with your interests / suggestions for future topics. My e-mail address is rtengler@peoplepc.com. Further, let me call your attention to our mission statement below and offer my assistance in any of the areas stated therein.

Let me also invite you to visit our section website where you can read about our chapter events. Feel free to browse in that website for other local gatherings of interest to electrical engineers.

Mission Statement for Chapter II

It is our goal to:

- host technical sessions with guest speakers,
- provide networking opportunities within metro area,
- hold joint meetings with the IEEE SEM Section, and
- assist members in dealing with IEEE Headquarters

Yazaki to Host Spring Section Meeting

Southeastern Michigan Section Spring 2003 Section Meeting

Wednesday, March 26, 2003

Location:

Yazaki, 6801 Haggerty Road, Canton, MI [map](#)

Schedule of Events

- 5:00 pm - Registration
- 5:45-6:45 - Chapter Technical Sessions
7 Technical sessions running concurrently
- 6:45-7:15 - Student and Vendor Exhibits, University Showcases, Cash Bar
- 7:15-8:00 - Dinner
- 8:15-9:00 - Keynote Address

For a complete schedule and registration information, go to [click here](#).

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On Frequency

"It's Always Something"

My great-grandmother was a typical Slovak woman - almost as wide as she was tall. Growing up on the farm, she didn't have much opportunity to get an education, but she was wise in her own way. One bit of wisdom that she imparted to me is that "It's always something."

By that she meant that life just won't stand still no matter how much we might want it to. Circumstances change, whether we like it or not, and that we have to deal with it.

One thing to consider is that as engineers we're responsible for much of this change. Engineers, for example, developed the Internet and the devices on which it runs. Engineers also develop the weaponry that makes modern warfare possible. (Of course, there are those that would also take the position that this weaponry makes us safer.)

The engineering life is a hectic one--there's always a project to complete and new technology to absorb. Dealing with these issues is necessary if we are to be successful. But I also think that it's important to consider how our work will affect others and society.

If you're interested in these issues, consider joining the IEEE's Society on the Social Implications of Technology (SSIT). This group considers issues as the environment, health and safety implications of technology; engineering ethics and professional responsibility; the history of electrotechnology; technical expertise and public policy; peace technology; and other social issues. For more information, visit

<http://radburn.rutgers.edu/andrews/projects/ssit/default.htm>.

Dan Romanchik, Editor

Agree or disagree, let me know! E-mail d.romanchik@ieee.org with your views on this or other matters affecting your work or your career.



News from the IEEE

The following items are from the "What's New @ IEEE" newsletter. For a free subscription, to <http://whatsnew.ieee.org>.

IEEE Membership at an All-time High

IEEE membership reached an all-time high of 382,483 members, making it the largest technical society in the world. February 21 was the last date to [renew your membership](#) for the full year without experiencing an interruption in service.

IBM Granted Over 3,000 Patents for Second Year in a Row

IBM's 3,288 patents in 2002 helped the high-tech company maintain its status as the largest patent recipient, an honor it has now achieved for the tenth year in a row. IBM has also become the only company to receive more than 3,000 patents in two consecutive years. EE Times recently ran a story about the rest of the [U.S. Patent and Trademark Office's top patent recipient list](#).

Also, [read the story about Ravi Arimilli](#), IBM's most prolific inventor of 2002 with 78 patents to his credit.

IEEE E-mail Server Blocks More Than 330,000 Viruses in 2002

The IEEE E-mail Alias service stopped 332,800 viruses from being delivered to IEEE members in 2002, more than double the 158,000 infected messages stopped in 2001. The free IEEE E-mail Alias service provides members with an @ieee.org e-mail address, scans all incoming mail for viruses, and forwards all messages to their real Internet account. As a member, [you can join](#) the more than 85,000 IEEE Members currently using this free service.

IEEE Standards Online Gets New Features

The [IEEE Standards Association](#) (IEEE-SA) has introduced IEEE Standards Online, Version 3.0. This new release provides subscribers with an upgraded interface, sequential listing of IEEE standards and their respective subscription package, community spotlights and IP-address access. IEEE Standards Online provides online access to IEEE standards in PDF format with IP access or password-protected access to enterprise-level subscribers.

Stalking Moves Onto the Web

Unfortunately, social and ethical progression does not necessarily parallel technological advancement. As Internet use continues to increase, so too, does web-based criminal activity. One particularly distressing crime on the rise is cyberstalking. What is cyberstalking, who are the victims, and how can virtual stalkers be stopped? [Read the article](#) in the January issue of IEEE-USA Today's Engineer for more information.

Will Computers Cause Engineer Obsolescence?

As computers get smarter and begin practically building themselves, what will be the role of the engineer? During IEEE's June 2002 INFOCOM Conference, eight industry experts joined for a roundtable discussion to share their thoughts about how far computer technology has come, where it's going and what that means to the fate of the engineer...[read more](#).

Leaking Caps Muck Up Motherboards

It has all the elements of a good thriller: a stolen secret formula, bungled corporate espionage, untraceable goods, and lone wolves saving the little guy from the misdeeds of multinational corporations. In this case, a mistake in the stolen formulation of the electrolyte in a capacitor has wrecked hundreds of PCs and may wreck still more in what is an industry-wide problem. [How did it happen?](#)

Effective Meeting Management Can Make Your Career

Too rarely do meetings finish on time - let alone accomplish the goals mapped out in their agendas. So, when it does happen, attendees are often bewildered and disoriented by the meeting organizer's otherworldly time management skills. But, [says Paul Kostek in the January issue of IEEE-USA Today's Engineer](#), the simple answer to running a good, productive meeting lies in planning and control.



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Contact: Graeme Rogerson, 734 455 4841,
Plymouth MI

Calendar Of Events

To have your event listed here, [submit this form.](#)

Date

Tuesday, March 25, 2003

Event

Future Car Networking

Location: University of Detroit-Mercy, Engineering Bldg.

Time: 5:15 - 6:30 PM

This talk by Bruce Emaus of Vector CANtech will focus on future networking technologies. For more information, contact Dr. Nizar Houlou, alholou@comcast.net

Wednesday, March 26, 2003 [Spring Section Meeting](#)

Location: Yazaki North America, 6800 Haggerty Rd., Canton, MI
Time: 5:00 PM - Registration

The keynote speaker will be Panos Antsaklis H.C., Professor of Engineering, Director of the Center for Applied Mathematics, University of Notre Dame. His talk is titled, "The Quest for Autonomy in Engineering Systems: Intelligent Control, Hybrid Systems and Networking."

[more details](#)

Tuesday, April 1, 2003 **Executive Committee (Xcom) Meeting**

Location: Univ. of Michigan, Dearborn,
Professional Education Center Bldg, PEC 1420. [directions](#)

6:00pm - Dinner
6:30pm - Meeting

Saturday, April 26, 2003 **Robofest 2003**

Location: Don Riddler Field House, Lawrence Technological University
Time: 10:00 am - 4:30 PM

Autonomous robotics contests: Lego robot competition, Lego robot exhibition, Advanced robot competition, advanced robot exhibition, Laptop robot competition, and Latop robot exhibition. Admission is free.

For more information, contact Chan Jin Jung, 248-204-3504,
chung@ltu.edu

Monday, May 5, 2003 **Executive Committee (Xcom) Meeting**

Location: Univ. of Michigan, Dearborn,
Professional Education Center Bldg, PEC 1420. [directions](#)

6:00pm - Dinner
6:30pm - Meeting

 Tuesday, June 3, 2003

Executive Committee (Xcom) Meeting

Location: Univ. of Michigan, Dearborn,
Professional Education Center Bldg, PEC 1420. [directions](#)

6:00pm - Dinner
6:30pm - Meeting

June 6, 2003

[EMC Fest 2003](#)

Location: Dearborn Inn, Dearborn, MI
Time: 7:30 am - 6:30 PM

EMC Fest 2003 is an all-day colloquium and exhibition on designing for EMC. This year's EMC Fest features Dr. Clayton R. Paul, Professor of Electrical Engineering at the University of Kentucky. [Click here](#) for more information.

Executive Committee

Officers

Chair	Maurice Snyder	734-973-1300	snyder@adi.com
Vice Chair	Suleiman Barada	313-561-5747	s_barada@msn.com
Secretary	Anthony Rhein	734-591-4000	rheinaj@c-b.com
Treasurer	Chuck Albrecht	734-632-1192	calbrecht@patrickengineering.com

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Section Advisor	Mr. Don Bramlett	313-235-7549	d.bramlett@ieee.org
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Professional Activities	Dr. Tarek Lahdhiri	810-947-2398	lahdhiri@ieee.org
Technical Activities	Abbas Yousef	313-322-9180	ayoussef@ford.com
Educational Activities	Dr. John Shen	313-593-5525	johnshen@umich.edu

MembershipDr. Mohamad
Berri313-999- berri@mberri.com
3358**IEEE/SEM Chapters**

Chapter I- Circuits and Signal Processing

[Chapter II - Vehicular Technology](#)

Chapter III - Communications and Aerospace Electronics

Chapter IV - Trident

Chapter V - Computer

Chapter VI - Geoscience and Remote Sensing

Chapter VII - Power Engineering and Industrial Applications

[Chapter VIII - EMC](#)

Chapter IX - Power Engineering and Industrial Electronics


[Chapter X - Engineering Management](#)**Advertising in Wavelengths**

Wavelengths is published eight times a year and sent to more than 3,500 members. These readers are responsible for specifying and purchasing a wide range of electronics components, equipment, and services.

RATES

Equivalent Print Ad	Size in Pixels (max)	Annual Rate (8 issues)	Single Issue Rate
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	540W x 360H	\$2000	\$325
Third Page	180W x 720H	\$1500	\$250
	540W x 240H	\$1500	\$250
Quarter Page	270W x 360H	\$1000	\$175
Eighth Page	270W x 180H	\$500	\$90

There is no extra charge for color. Special placements can be requested, and will be accommodated if possible. Payment must accompany insertion order.



For more information, contact Dan Romanchik, Wavelengths Editor, phone 734-930-6564, e-mail: d.romanchik@ieee.org.