

"MINI"-conductor

JAN 18 1999
REGIONAL ACTIVITIES

DAYTON SECTION
IEEE



140 E. MONUMENT AVE.
DAYTON, OHIO 45402

Volume XXVIII, Number 1

Jan 1999

DATE CHANGE

EXECUTIVE COMMITTEE MEETING

DATE CHANGE

All Welcome -Come join us!

- Place:** Eastown Plaza IEEE Office, Linden Ave (Note date change for Jan mtg ONLY)
Date: Jan 19, 1999 6:30 PM (6 PM for 1999 Society/Chapter Chairs Orientation)
Guest: Rick DaPrato will attend the meeting and discuss the NAECON situation.
Directions: Enter the double glass door in the center (Look for Olin Mills signs). Take stairs to 2nd floor. The IEEE suite is last on the right. You can also park in the rear of the building and come straight upstairs to the IEEE office.

Engineering Management Society (EMS) Meeting Feb 15



Speaker: Cinda Voegtli
President of the Engineering Management Society

Tools and Techniques for Effective Project Management and Rapid Product Development in High-pressure High-Technology Environments.

Competition is heavy, resources are tight, the technology is complex—and the schedule pressure is on. How do we as engineers, engineering managers, and project managers survive and thrive in such environments? How can we plan and manage our work to deal with these challenges? Can project management really help, or is it just "overhead"? In reality, good project management in our environment is management that has been effectively integrated with our technical work. The project management techniques we use are relevant to every member of the team!

Cont. on Page 2

Computer Society Meeting Business Web Sites -

The good, the bad, and the unusable

Speaker: BJ Moore Pres. Lida Ray Technologies

Now that tools make web page design simple - the growth of business web sites is explosive. However, too little thought before posting a web site can be worse than having no web presence.

For large corporations or sole proprietors: strategic planning is especially important in development of a business web site. Before you post a your web site, consider common mistakes made in content, design, and expectations. What are the differences between an "Internet" site and an "Intranet" site? What does it cost to have a web site? How does Lida Ray Technologies use its web site?

LRT provides strategic planning for Fortune 500 companies and often uses the web as a tool in implementing/managing global initiatives.

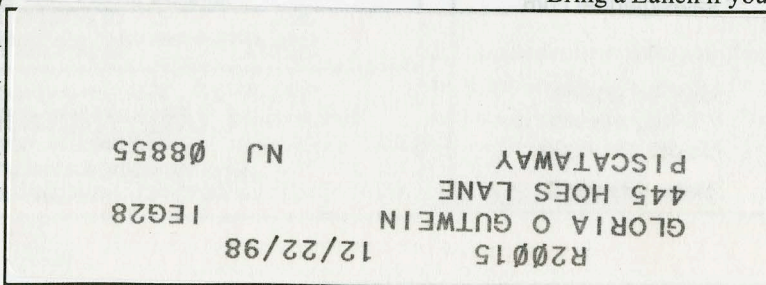
Note: This is not a "how to" code html discussion.

Jan 21, 11:30AM - 12:30PM

TASC 2555 University Blvd., Fairborn (across from WSU)
RSVP: Please call to reserve a seat. Contact Dr. Leon Winslow
Tel: 937-435-1032 e-mail: winslow@infinet.com
Cost: \$2 for Non-Members. No cost for IEEE Members.

Bring a Lunch if you wish.

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IEEE Dayton Section HOME Page

Check out the Dayton Home Page at
<http://www.erinet.com/dayiee>

The Miami Valley Consultants Network

will meet on February 12th at 11:30 at the Engineers Club. The meeting topic will be marketing strategies for consultants. The meeting is open to all self-employed professionals. Call 937-228-2148 for reservations.

The Dayton Section AWARDS BANQUET

will be held on Saturday April 10, 1999, at Sinclair Community College starting at 5:30 P.M. in Building 12. Details will be provided in the later Newsletters. Contact any Section officer for info or tickets.



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EMS Meeting --- Continued from page 1

Cinda Voegtli, President of the Engineering Management Society, will speak to these issues at the Feb 15 meeting of the Dayton EMS chapter. Cinda has worked as a design engineer, functional manager, department director, and project manager, and has headed a project management firm in Silicon Valley for over 6 years. In her talk she will discuss:

- Important techniques teams can use to scope, plan, and manage their projects, to ultimately deliver a product quickly— E.g. scope/time/cost tradeoff decision techniques, technical risk assessment, testing approaches, and life cycle model variations.

- How companies go about improving their project management capability over time—the plan they follow, the challenges they face, and the results they obtain.

- Approaches for partnering with outside companies or consultants/contractors for outsourced development or other services— how do you select the right relationships and make those relationships truly work?

- The mindset and participation required from engineers and managers to make project management really work—and the implications (and opportunities!) for their career development.

Cinda will bring handouts of the slides and other materials of interest, such as checklists related to the subjects above. Join us for this talk and bring your questions! There will be plenty of time for Q&A.

Election Results

The other societies have indicated the following as Chairs for 1999.

Control	Dan Repperger
Computer	Bret Givens
EMB	Mike Krier
EMS	Jim Zalusk
PE/IA/PE	Lisa Hoblit
AES	Trina Bornejko
SPS	in process ?
APMTT	in process ? Dr. Krishna Naishadham

Congratulations!

REGION TWO DAYTON SECTION IEEE OFFICERS

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	226-2570 (Dept)		

The 1997 Standing Committee Chairmen, that along with the Society Chairmen, make up the Executive Committee are:

Affil. Societies Delegate - Walter Nolte - 299-0784
walt_n@dnaco.net

Professional Activities - Prof. Nataraj Nataraj - 226-2575 (Office)
Awards - Dick Moff - 434-9419
Student Activities - Peter Maybeck - 255-3708 x 4639
Sponsor Coordinator - Bill Vendeley - 293-7304
Membership Development - Micki McCartney (h) 235-2474
NAECON Liaison - Rick DaPrato
Webmaster - Tim Glaze - 426-4527 tglaze@erinet.com
Consultants Network - Dr. J. Martino - (937)-492-4729 (Sidney, OH)

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TO PLACE A NOTICE IN THE MINI-CONDUCTOR

Contact Frank Palazzo 434-4104

Deadline: 9th of each month for next month's issue

CHANGE OF ADDRESS: Service Center, IEEE (800-678-IEEE)
Send all changes of address directly to IEEE, Inc., Coding Dept.,
445 Hoes Lane, Piscataway, NJ 08854.
All IEEE computer mailing lists are processed in NJ.
Locally - send changes to Walt Nolte - 299-0784.

Chairman's Message

A new year always evokes resolutions for change; always seems to be a bright time of renewal and a time for reflecting upon the past year. With the coming millenium we've already been bombarded by predictions and expectations for the good and bad changes it may bring.



But the power to change our futures lies within our grasp regardless of the date on the calendar. The power is in how we use the tools and resources at hand. One major resource available to all of you is your IEEE membership. Too many of us just pay our dues and occasionally glance at a magazine article - without even being aware of what else we can get out of IEEE.

Few members are aware of the many offerings from national such as low cost professional insurance, medical and life insurance, low cost mortgages, portable retirement plans, and self study courses. Discounts on travel, supplies, and even on services at Kinkos are available to IEEE members

Many career counselors say networking is part of the best career management plans. Participating in you local Section/Society or Chapter meetings not only keeps you up-to-date in your field -- it exposes you to a cross-section of people in your industry who can tell you about responsibilities of various related positions, the culture of various companies, and who's hiring. The majority of non-entry level jobs are filled before they're ever advertised.

Improve your current job stability by maintaining a technical edge through attending local events, participating in the numerous seminars and conferences, or even reading those pesky journals. Beyond these common activities -- did you realize that you can join one of IEEE's many technical, lobbying, and standards committees? These are a few of the ways you can do more than learn about the future of the industry -- you can shape it.

Sound grandious? Even presumptuous? IEEE is the largest professional organization in the world and is one of the world's largest standards organizations. In the U.S. IEEE's combined membership constitutes a significant lobbying force. In 1998, IEEE used its muscle to make the voices of engineers heard in Washington D.C. on multiple issues. On a local scale, Dayton members have hosted and participating the IEEE 802.11 Wireless Standards Committee among others.

It takes less effort than you think to become involved and you'll be surprised by how much you will gain by becoming more active. Take a step today to find out what IEEE can offer you.

Barbara Moore

THE UNIVERSITY OF DAYTON
GRADUATE COURSES OFFERED WINTER TERM 1999
(JANUARY 4 - MAY 7, 1999)
ELECTRO-OPTICS & ELECTRICAL ENGINEERING

EOP 505-01	INTRODUCTION TO LASERS	M W	3:00-4:15	PEDROTTI, L
EOP 506-01/ELE 573-01	EO DEVICES & SYSTEMS	TTH	4:30-5:45	HAYAT, M
EOP 514-01/ELE 574-01	GUIDED WAVE OPTICS	M W	4:30-5:45	DUNCAN, B
EOP 541L-01	GEOM & PHYS OPT LAB	ARRG	ARRG	LITTLE, G
EOP 625-01	LASER PROBE TECHNIQUES	M W	5:50-7:05	YANEY, P.
ELE 509-01	ANALYSIS OF LINEAR SYSTEMS	M W	4:30-5:45	WILLIAMSON, T.
ELE 518-01	ELECTROMAGNETIC FIELDS II	M W	4:30-5:45	PENNO, R
ELE 524-01	COMPUTER NETWORKS	TTH	4:30-5:45	ATIQUZZAMAN, M
ELE 537-01	ADV. ENGINEERING SOFTWARE	TTH	4:30-5:45	SCARPINO, F.
ELE 563-01	IMAGE PROCESSING	M W	5:50-7:05	HARDIE, R
ELE 632-01	VLSI DESIGN	TTH	5:50-7:05	KOH, S

FOR MORE INFORMATION, PLEASE CALL (937) 229-2797 OR (937) 229-3611

The next AESS Luncheon will be held on Thursday, 7 January 1999, at the Amber Rose Restaurant, 1400 Valley St. (WGCC is closed.) Please RSVP your intentions to Ed Gau at: gauel@aa.wpafb.af.mil OR 255-5579 x 3681 Hope to see you there. Ed Gau AESS Secretary/Treasurer

CALL FOR NOMINATIONS DAYTON SECTION IEEE ANNUAL AWARDS

The Dayton Section IEEE is accepting nominations for two prestigious awards to be presented at the Dayton Section Annual Awards Banquet to be held in April 1999.

HARRELL V. NOBLE AWARD The Harrell V. Noble Award is given to an outstanding candidate who has made significant contributions in research, development and/or applications of electron devices. The Noble Award consists of an individual plaque and a monetary award given to the awardee, and the awardee's name added to the perpetual Noble Award plaque which is prominently displayed at major Dayton Section activities. The awardee must be a member of Dayton Section IEEE. The Noble Award is funded through the generosity of the late Dr. Harrell V. Noble and the Dayton Section.

DR. FRITZ J. RUSS BIO-ENGINEERING AWARD The Dr. Fritz J. Russ Bio-Engineering Award is given to the nominee who has made significant contributions in research, development, teaching or management furthering the objectives of Bio-Engineering in the Dayton area for a minimum of three years. Bio-Engineering includes the physical and engineering sciences in biology and medicine ranging from formalized mathematical theory through experimental science and technological development to practical clinical applications. The awardee must be a member of the Dayton Section IEEE with at least Member Grade. The Russ Award consists of a plaque and monetary award given to the awardee and the awardee's name being added to the perpetual Russ Bio-Engineering plaque prominently displayed at major Dayton Section functions.

THE DEADLINE FOR RECEIPT OF NOMINATIONS IS MARCH 15, 1999. Specific information required for each nominee is described in detail on nomination forms which may be obtained from the Dayton Section's Awards Committee Chainman: Richard J. Moff 5661 King Arthur Drive Centerville, OH 45429 (434-9419)