



Scanfax

MARCH 1997

Institute of Electrical and Electronics Engineers Chicago Section Newsletter

Technical Programs

- CPMT, SP, CE, LEO, VT, AICN.....Page 3
 - Workshop Series
 - Manufacturing Technologies - Tues. March 4; Thurs. March 6
 - Signal Processing - Tues. March 11; Thurs. March 13
 - Quality Technologies - Tues. March 18; Thurs. March 20
 - Sensors and Effectors - Tues. March 25; Thurs. March 27
- Electromagnetic Compatibility Society.....Page 5
 - Evaluating & Improving Radiated Immunity Test System Performance
 - Wednesday March 12
- Industry Applications - Industrial Electronics.....Page 7
 - Medium Voltage Switchgear
 - Wednesday March 26
- Computer Society/ Fox Valley Subsection.....Page 9
 - Team Work
 - Tuesday March 18

Chicago Section News & Events

- 1997 Officer Nominations.....Page 2
- Chicago Section Awards Banquet.....Page 11
 - Saturday April 19

Chicago Section Business Meeting- All welcome
Tuesday March 11 • 7:15 PM
DeVry DuPage Campus • 1221 N. Swift Road • Addison, IL

Visit the Chicago Section Home Page at <http://ieeefnal.gov>

Web Site Update:

The Chicago section web site (<http://ieeefnal.gov>) was down in late December, due first to a power outage at Fermilab, and then to a hard disk crash. We regret any inconvenience this may have caused. We are happy to report that the site is once again up and running, and can be used as a source of information on IEEE and section events. The section gratefully recognizes the efforts of Francois Ostiguy, of Fermilab, who maintains the site.

IEEE Chicago Section Nominations for Section Officers

The following nominations were approved by the Section Executive Committee at the January Meeting:

Chair- Irwin Smiley

Vice chair- Sam Peach

Treasurer- Howard Penrose

Secretary- Ed Bogus

Student activities- Peter Look

Conferences, Publications- Judy Gemperline

For interest in other positions, contact Tom Jurgens, Section Chair.

SCANFAX (ISSN 0018-1297) **March 1997**, Volume 49, No.3. Published by the Chicago Section, Institute of Electrical and Electronics Engineers for its members. Third class postage paid at Glen Ellyn, IL. Unless specified, Chicago Section IEEE neither endorses nor sanctions any positions espoused in SCANFAX or at meetings.

BUSINESS OFFICE IEEE Chicago Section 2460 Wisconsin Ave. Downers Grove, IL 60515 800 898 4333 630 964 4333 FAX: 630 963 2122 ChrisRow@aol.com	CHAIRMAN Tom Jurgens 313 Raddant Rd, S Batavia, IL 60510 847 523 7915 t.jurgens@ieee.org	EDITORS Judy Gemperline 20650 Elizabeth Ave. Prairie View, IL 60069 j.gemperline@ieee.org Jack Sherman 1395 Highland Blvd. Hoffman Estates, IL 60195 847-576-8222 j.sherman@ieee.org
MEMBERSHIP & CHANGE OF ADDRESS IEEE Member Services: 800 678 4333 member.services@ieee.org IEEE Service Center, 445 Hoes Lane Piscataway, NJ 08854-4150 For Scanfax - Call Business Office	SUBMITTAL DEADLINES May issue: Mar 25. June issue: Apr. 25 Submit articles electronically to the editor ADVERTISEMENTS: Call business office	

PRINTING BY - graphix products, West Chicago, IL

CPMT
SP
CE
LEO
VT
AICN

Workshops and Networking - for the rest of us

SPEAKERS: You, Me, and the rest of us

ABOUT OUR TOPICS

Manufacturing Technologies

Signal Processing

Quality Technologies

Sensors and Effectors

WHAT:

Four Networking Workshops, each a different week.

WHEN:

Network and socialize from 6 to 7 P.M.

Meeting is at 7 P.M. sharp. (No one admitted after 7 P.M.)

*** Manufacturing Technologies**

Tues. March 4, Thurs. March 6

*** Signal Processing**

Tues. March 11, Thurs. March 13

*** Quality Technologies**

Tues. March 18, Thurs. March 20

*** Sensors and Effectors**

Tues. March 25, Thurs. March 27

WHERE:

Tuesday meetings - Motorola Schaumburg Campus

Thursday meetings - IIT Rice Campus

DONATAE:

Two dollars to cover snacks and beverage

One dollar if a registered student

Free if a Life Member.

We are evaluating a workshop approach to continuing education and entrepreneurial networking. For each of the topic areas and selected week and location, we invite you to discuss your issues and successes with your colleagues. In return, within the limits of intellectual property ownership, you can expect to receive praise and constructive suggestions. But we ask for your attention to a proscribed agenda and protocol, start to finish.

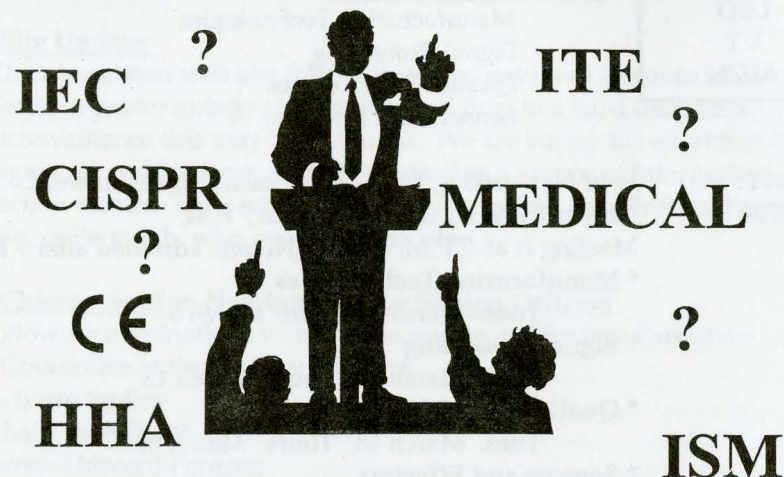
- 10 minutes, introductions
- 15 minutes, statement of needs, suggestions for topics
- 5 minutes, vote on topic(s) for discussion
- 40 minutes, discussion on selected topic(s).
- Wrapup, selection of next meeting date.

RESERVATIONS REQUIRED: IEEE Office 800 898 4333 (630 964 4333)

- Friday prior to the meeting weekday.
- Attendance limited to 25. Name, Affiliation, Phone numbers required.
- Reservations will be confirmed and travel directions given if needed.

FURTHER INFO: Jack Sherman 847 576 8222, j.sherman@ieee.org

D.L.S. ANNOUNCES EUROPEAN EMC SEMINAR SERIES



Introduction to European EMC
Presented by D.L.S. Electronic Systems

SEMINAR TOPICS

- EMC Directive 89/336/EEC
- How to meet the requirements
- Declaration of Conformity
- Technical Construction File
- CISPR/EN Emissions
- IEC/EN Immunity
- Everything you need to know!*
- Q&A & Facility tour, if desired

*About European EMC

TO REGISTER

- Call today. 847-537-6400
Class size is limited.
- Where: D.L.S. Electronic Systems,
Inc., Wheeling, IL
- When: **2nd Wednesday**
each month
- Time: 1 - 3 pm plus tour
- Cost: \$55 including handout

Please advise us at the time of registration if you are physically challenged and require special accommodations.
D.L.S. reserves the right to adjust the schedule and limit the number of people attending from one company.



Call Today for EC/EU EMC Help!
• 847-537-6400 • FAX 847-537-6488 •

ELECTRO-MAGNETIC COMPATIBILITY SOCIETY

Evaluating and Improving
Radiated Immunity Test
System Performance

SPEAKER : John D.M. Osburn
EMC Test Systems, Austin Tx

Wednesday, March 12, 1997

ABOUT THE TOPIC

Mr. Osburn will speak about the hidden potential problems in an immunity test setup and assuring that these problems do not contribute to unrepeatability of test results. He will describe the second order, but potentially serious, test setup problems and their control. The 'next level' of consideration of these problems is the attention to detail that assures the proper conduct of testing and truly repeatable immunity test results.

ABOUT THE SPEAKER

Mr. Osburn is the principal EMC Scientist at EMC Test Systems in Austin, Texas. He holds 3 patents in EMC measurements technology, and has published widely on the topic of EMC.

PLACE

Lucent Technologies, Bell Labs
2000 N. Naperville Rd.
Naperville, IL
630 979 2000

TIME

Social/ refreshments7:15 PM
Presentation 7:30 PM

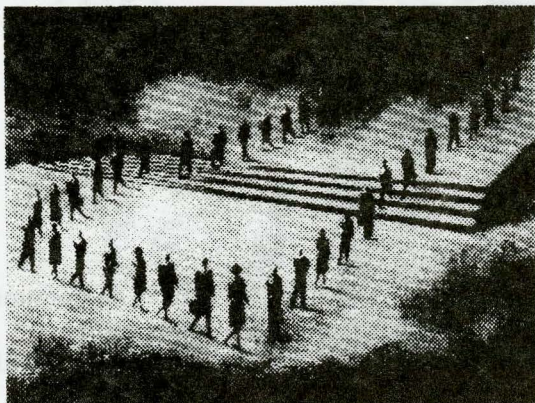
DIRECTIONS

Lucent Technologies is located at the northwest corner of Warrenville and Naperville Rds. Go west on Warrenville Rd. to the first turn on the right. Enter the drive and take the first right into the parking lot. To enter the building, go to the center of the southeast side near the flag poles.

FOR RESERVATIONS

Call the IEEE Message Center at 800 898 4333 or 630 964 4333.

ARE YOU TAKING THE RIGHT STEPS TO MAKE YOUR COMPANY MORE PRODUCTIVE?



If you're looking for a better way to step up your company's productivity, the divisions of DeVry can help you start off on the right foot.

DeVry Bachelor's degree graduates are ready to step in and be productive from day one. They learn how to create solutions for business from instructors with practical experience.

If you need skilled managers with advanced degrees in business, human resource management or project management, our Keller Graduate School division is your source for quality Masters degree graduates.

And to make your company more productive overall, our management and technical training arm, Corporate Educational Services (CES), brings custom-built productivity programs right to your company's doorstep.

Take the first step to increased productivity. Call DeVry at the Chicago campus (312) 929-7837 or at the Addison campus (708) 953-1300. Or send in the coupon below.

DEVRY

A higher degree of success.™

U.S. DeVry Institutes and Keller Graduate School of Management are accredited by the North Central Association of Colleges and Schools.

CONTACT:

David Mendez
Director of
Graduate Placement
3300 N. Campbell Ave.
Chicago, IL 60618
(312) 929-7837

CONTACT:

Dan Kesselring
Associate Director of
Graduate Placement
1221 N. Swift Road
Addison, IL 60101
(708) 953-1300

I'd like to know more about:

DeVry's Bachelor's degree graduates in:

- | | |
|---|--------------------------------------|
| ☐ Computer Information Systems | ☐ Electronics |
| ☐ Business Operations | ☐ Accounting |
| ☐ Telecommunications Management (Addison Only) | |
| ☐ Associate Degree Graduates in Electronics | |
| ☐ Keller Graduate School of Management | |
| ☐ Corporate Educational Services | |

Name _____

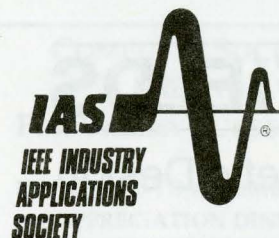
Company _____

Address _____

City _____ State _____ Zip _____

Phone _____

©1995 DeVRY INC



Medium Voltage Switchgear

SPEAKER: Chand Tailor
Cutler Hammer- Westinghouse

Wednesday, March 26, 1997

ABOUT THE TOPIC

An informative and educational overview of Medium Voltage Switchgear with concentration on application and specification.

ABOUT THE SPEAKER

Chand Tailor has a B.S. in Electrical Engineering from the University of Baroda, India and a M.S. Degree from the University of Pittsburgh. He is a registered Professional Engineer in South Carolina and a member of IEEE-IAS. Chand brings us 18 years of well rounded experience starting with ABB as a Design Engineer in India, experience with marketing and specification work at both Westinghouse and Siemens. He currently is Principal Engineer for Medium Voltage Switchgear Division of Cutler Hammer - Westinghouse providing marketing, engineering, and application support to Field Sales and Engineering Personnel.

PLACE

Como Inn
546 N. Milwaukee Ave.
Chicago, IL

TIME

Social 5:30 PM
Dinner 6:00 PM
Presentation 7:00 PM

Dinner cost is \$20. Menu choice Chicken or Pasta entree.

DIRECTIONS

The Como Inn is located on Milwaukee Ave., east of the Kennedy.

FOR RESERVATIONS

Please call the IEEE Business Office at 630 964 4333
Please give your name, business affiliation, and choice of entree.

MARK YOUR CALENDARS

Next meeting May 24, 1997 on City of Chicago plan approval process

Attendance at each IEEE Technical Meeting is accepted as one PDH (Professional Development Hour), where required for CE.

VF VECTOR FIELDS

Software for Electromagnetic Design

Electromagnetic Application Engineers

The Company

Vector Fields Inc. specializes in computer software for electromagnetic design and analysis. The company provides services to many leading engineering companies such as IBM, Lockheed, Boeing and Northrop-Grumman and research organizations including most of the US National Laboratories. The services include sales, support, training and consultancy related to the software products. The software is developed at Oxford, England.

The Position

Due to expansion of the Company's customer base additional application engineers are now required at the North American Headquarters at Aurora IL. The successful applicants will join an existing team and will be expected to assist in providing a consultancy and technical support service which includes technical studies of customer products and developing suitable models for analysis.

The ideal candidates will be familiar with electromagnetic principles and have an adequate mathematical background to understand both electrical engineering and physics design work. Almost all the work will be computer based and a good understanding of computer systems would be a benefit. Since much time will be spent in communicating with customers in technical English, the engineers must be able to express themselves clearly in technical discussions. Some travel will be involved.

Please send a resumé to:

Lois A. Lee	Telephone:	(630) 851-1734
	Fax:	(630) 851-2106
	Email:	llee@vectorfields.com
	Web:	http://www.vectorfields.com

COMPUTER SOCIETY
AND THE
FOX VALLEY SUBSECTION

INVITE YOU TO A MEMBERSHIP
APPRECIATION DINNER

Team Work

Speaker: Christine A. Slivon
Conversations that work

Tuesday, March 18, 1997

ABOUT OUR TOPIC

What do you do about a team that is malfunctioning? Come to this presentation and pick up a tool kit for diagnosing the problem and making a team work. From this talk you will learn how to effectively make requests of peers, subordinates, and bosses. You will learn how to handle situations where people do not perform without confrontation and blame. You will begin to see project management as an ongoing process of negotiation rather than a high-stakes win-or-lose game.

ABOUT OUR SPEAKER

Christine A. Slivon holds a bachelor degree in mathematics from the University of Illinois and a master's degree in computer science from Cornell. After several years of technical work, she became increasingly interested in the management issues surrounding the implementation of new technology. In her roles as system analyst, planning specialist, and supervisor, she developed her skills in project management. In 1995, she left Amoco to found Conversations That Work.

PLACE

Lucent Technologies
2000 N. Naperville Road
Naperville, IL

TIME

Dinner: 6:30 p.m.
Presentation: 7:30 PM

COST

Dinner costs \$5; the presentation is free. The first 35 IEEE members to register will receive FREE pizza and drinks.

RESERVATIONS

Call the IEEE business office at 800 898 IEEE (630 964 4333).

FOR MORE INFORMATION

Contact Dr. Amitabh Mishra at 708 979-8109 or mishra@lucent.com

Leader in Power Switching Since 1923

- Power Generation Switchgear Systems
- Automatic Transfer Switches
- Z-Net Communication Networks
- Contactors and Relays
- Technical Services and Warranty
- 24-Hour Service
- Preventive Maintenance
- Extended Service Coverage Programs



Quality Without Compromise™

Worldwide Headquarters
830 W. 40th St. • Chicago, IL 60609 USA
Phone: 773 247-6400 • Fax: 773 247-7805

E-Mail: zenith@zenithcontrols.com
www.zenithcontrols.com



EMC Sales and Application Engineer Wanted

D.L.S. Electronic Systems is seeking an EMC Sales and Applications Engineer for our north suburban location. Candidates must have at least two years experience in the Electronics industry and possess good communication skills to deal with customers. Applicants will be chosen for technical qualifications, interpersonal skills and attention to detail. An understanding of EMC testing including regulations/standards would be a plus. There is a great deal of customer/phone contact in this position.

**If you enjoy variety, planning, engineering &
helping others, then this job's for you !**

Send resume outlining experience and interest to Human Resource Dept:



1250 Peterson Drive, Wheeling, IL 60090
• 847-537-6400 • FAX 847-537-6488•

Embedded Support & Systems, Co.

Specializing in embedded microcontroller and microcomputer design and support. Turnkey designs, analog and digital hardware design, software design, real-time systems, design evaluations, test and evaluation, design services for systems, subsystems, instruments and dedicated products.

P.O. Box 872 Lake Forest, IL 60045
Tel. 847 234 8681



IEEE

INSTITUTE OF
ELECTRICAL AND
ELECTRONICS
ENGINEERS, INC.

IEEE CHICAGO SECTION ANNUAL AWARDS BANQUET

Saturday, April 19, 1997

Starlight Inn
9950 W. Lawrence Ave.
Schiller Park, IL
Overlooking O'Hare Field
At Mannheim and Lawrence Avenues

COCKTAILS: 6 P.M.

Hot Hors D'oeuvres
Complimentary Cocktail
Dinner Music

DONATIONS:

\$35.00 per person

DINNER: 7 P.M.

Appetizer, Salad
Wine, Entree
Coffee, Dessert

IEEE Fellow Awards

Prof. Michael L. Honig- Northwestern University
Dr. David E. Borth- Motorola, Inc.
Dr. Fuyun Ling- Motorola, Inc.

Entertainment

Bates & Fammeree- Vocalists
Frank K. and Company- Dining and Dancing Orchestra

FOR TICKET INFORMATION CONTACT:

Joe Feitler
P.O. Box 5072
River Forest, IL 60305
708 383 8773 or IEEE office 630 964 4333
Tables of ten available
Special meals upon request



IEEE

Scanfax

Chicago Section
Business Office
2460 Wisconsin Ave.
Downers Grove, IL 60515

U.S. POSTAGE PAID
NON-PROFIT ORG
Permit No. 479
Glen Ellyn, Illinois

IT PAYS TO ADVERTISE IN SCANFAX

More than 6500 readers who are influential in the electrical, electronics, and computer industry receive SCANFAX each month (except July and August).

These readers represent more than 200 companies in the Chicago area.

Included are manufacturers, consultants, sales representatives, universities, and colleges.

You can reach this targeted professional audience with your advertisement in SCANFAX.

A full page ad is less than 5 cents per reader. That's a fraction of the cost of postage alone.

Half-page ads and business card size ads are also available for help wanted and consultant service announcements.

To place your advertisement in SCANFAX, contact the Chicago Section Business Office at (800) 898-IEEE or (708) 964-IEEE

