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Official Publication of the Chicago Section • Institute of Electrical & Electronics Engineers • MARCH 1989

TIME SENSITIVE MATERIAL

CALENDAR OF EVENTS

For reservations call the IEEE office 649-2800
(unless otherwise indicated)

Copy Deadline for April Scanfax is February 27, 1989

MARCH 1	Medium Voltage Switchgear	Power Eng. Society	Carson Pirie Scott Lower Level Monroe & Wabash Chicago, IL	Social: 11:30 AM Lunch: 12:00 PM Meeting: 12:45 PM
MARCH 8	Underwriters Laboratory Tour	IAS/IES/ Northwest	Underwriters Laboratories Northbrook, IL	Dinner: 5:30 PM Tour: 6:30 PM
MARCH 8	Board Level Suppression of EMI	EMC Society	AT&T-Skokie 5555 Touhy Skokie, IL	Social: 7:15 PM Meeting: 7:30 PM
MARCH 14	Monthly Meeting All Welcome	IEEE Executive Committee	Contemporary Controls 2500 Wisconsin Downers Grove, IL	Meeting: 7:15 PM
MARCH 15	An Inventors View of Patent Litigation	Computer Society	Wilton Manor Geneva Rd. & Main St. Wheaton, IL	Social: 5:30 PM Dinner: 6:30 PM Meeting: 7:30 PM
MARCH 29	Photonic Switching for Telecommunications	Fox Valley/ Lasers and Electro-Optics	Wilton Manor Geneva Rd. & Main St. Wheaton, IL	Social: 6:00 PM Dinner: 7:00 PM Meeting: 8:00 PM



THE
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CHICAGO CHAPTER

* * * ANNOUNCEMENT * * *

IEEE MEETING

HOSTED BY UNDERWRITERS LABORATORIES

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(312) 564-1450

Presented by: Industry Applications Society
Industrial Electronics Society
Chicago Chapter

When: Wednesday, March 8, 1989

Where: UL's Cafetorium – 2nd Floor, Bldg. 8
333 Pfingsten Rd. – Northbrook, IL

Event: Tour of Underwriters Laboratories Facilities

Program Timetable: 5:00 p.m. – Soft drinks and coffee served
5:30 p.m. – Buffet Dinner
6:30 p.m. – Short Program and Movie
7:00 p.m. – Tour Begins



The cost for refreshments and the buffet dinner is \$11.00. There is no charge for anyone to attend only the technical program. To make your reservation for the buffet call John Kovacik at Underwriters Laboratories 272-8800 Ext. 2972 or the IEEE Office at 649-2800.

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Change of Address

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SCANFAX DEADLINES

ISSUE	COPY DUE	MAILED ON
APR	FEB 27	MAR 15
MAY	MAR 27	APR 15
JUNE	APR 24	MAY 15
----- VACATION -----		
SEPT	JULY 25	AUG 15
OCT	AUG 29	SEPT 15
NOV	SEPT 26	OCT 15
DEC	OCT 31	NOV 15

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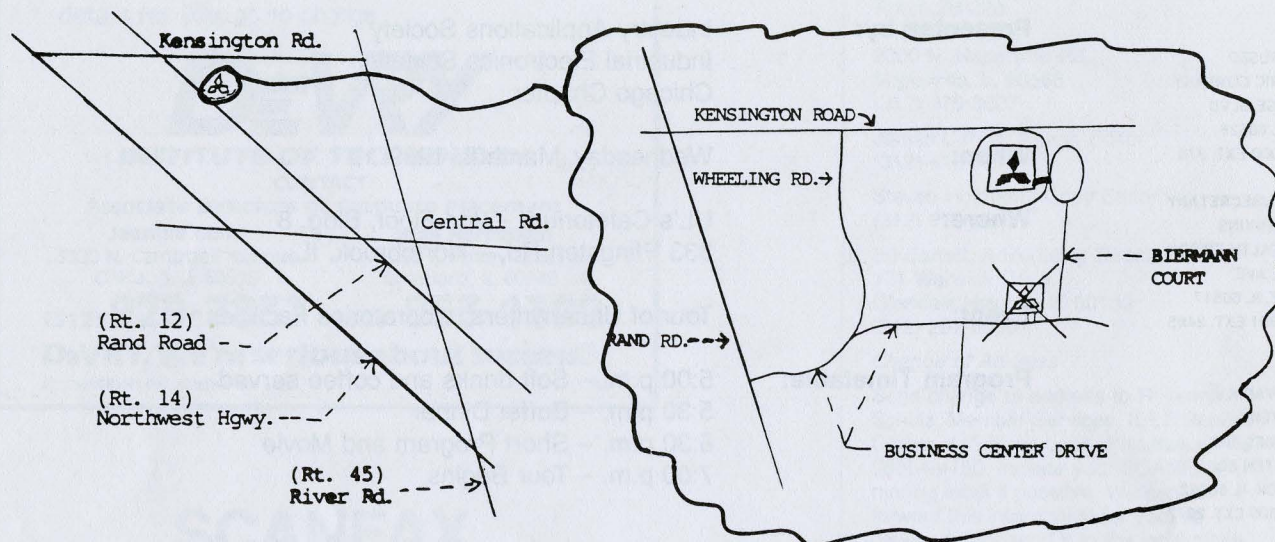
Attention Meeting Organizers

Please let Bob Schrage (294-2759) know of your meeting plans when you send that information to Scanfax so that he may alert the answering service to expect reservations for the meeting.

PRODUCT SAFETY IS NO ACCIDENT

The Chicago Chapter of the IEEE PRODUCT SAFETY TECHNICAL COMMITTEE
is happy to announce its first meeting.

DATE: MARCH 7, 1989
TIME: 7:00 P.M.
SPEAKER: Stanley Savic – Director of Product Evaluation – Zenith Radio
TOPIC: Product Liability – The Other Side of Quality
LOCATION: MITSUBISHI ELECTRIC, 800 BIERMAN COURT, MOUNT PROSPECT
RESERVATIONS REQUESTED — Please Contact John Allen at 312-699-4414



IEEE EMC SOCIETY MARCH MEETING

DATE: WEDNESDAY MARCH 8, 1989
TIME: 7:15 P.M. SOCIAL
7:30 P.M. TALK
SUBJECT: BOARD LEVEL SUPPRESSION OF EMI
SPEAKER: ROGER SWANBERG – U.S. ROBOTICS
PLACE: AT&T – TELETYPE – SKOKIE
5555 TOUHY, SKOKIE — 6 M. EAST OF I 294,
0.5 M. WEST OF 194 @ CENTRAL
RESERVATIONS: PLEASE CALL IEEE MESSAGE CENTER AT 649-2800 BY MARCH 8

LASERS and ELECTRONIC OPTICS SOCIETY

TOPIC: PHOTONIC SWITCHING
DATE: Wednesday, March 29, 1989
SPEAKER: H. Scott Hinton
PLACE: Wilton Manor, Schmale Rd., Wheaton
TIME/COST: Social: 6:00 p.m. – Cash Bar
Dinner: 7:00 p.m. – \$11.00
Speaker: 8:00 p.m. – FREE

RESERVATIONS: Call (312) 649-2800 to make reservations
for Dinner and/or Meeting, **by Monday, March 27, 1989.**

TECHNICAL QUESTIONS: Direct questions about our topic or speaker to Dorene Lehner on
(312) 979-6778.

ABSTRACT: Mr. Hinton discusses the future needs of the telecommunications network, followed
by a brief discussion of the strengths of the photonic domain. These strengths include bandwidth
and connectivity. Then he reviews some of the photonic implementations of switching fabrics that
have been proposed or demonstrated in the laboratory. This includes examples of space-division
systems, time-division systems, and systems based on wavelength-division switching. Finally, he
closes by discussing the future directions of photonic switching.

ABOUT OUR SPEAKER: H. Scott Hinton is the supervisor of the Photonic Switching
Technologies Group at AT&T-Bell Laboratories where he has worked since 1981. He received a
BSEE degree from Brigham Young University in 1981 and a MSEE degree from Purdue University
in 1982. Mr. Hinton is a member of the IEEE and OSA.

REPORT FROM YOUR SECTION CHAIRMAN

In addition to attending several meetings sponsored by our Subsections and Chapters, it
has been a busy time here with items such as:

- helping with our annual financial report to IEEE headquarters,
- encouraging some of our less active and newer Chapters by promoting joint events,
- finding interesting speakers and topics for some of our Chapters,
- starting to promote a special "Electrical Injury Symposium" in July 1989 to be co-
sponsored by our Chapter on Electronics in Medicine and Biology,
- Engineer's Week programs in late February,
- monitoring and contributing to the recently established IEEE "newsgroup" on the
USENET electronic-mail network,
- preparing inputs for the IEEE Region 4 meeting on 2/4/89 in Chicago,
- arousing greater interest in member participation for our Recognition Dinner in May and
for MIDCON 1989 in Chicago,
- responding to member's inquiries to our IEEE Chicago Center and improving its
operation,
- working to finalize our 1989 budgets and to make our limited funds work harder,
and much more.

Please continue to encourage your Chapter, Subsection, and Section officers (and
committees) by supporting them actively, by volunteering to help, and by offering
constructive suggestions.

Joe Feitler

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- Power Limited Fire Alarm Cable
- Power Limited Fire Protective Signaling Cable
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- Pulse Cables
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Members who wish to participate should fill out the form below and send it to the IEEE office. Your one line description will be printed in the next two issues of Scanfax. Employers who are interested, can phone the IEEE office, (649-2800), and will be given your name and phone number. If you have noted "confidential" on the form, we will take the names and numbers of the company representatives that call and inform you who they are so that you may contact them.

Sample ads:

N1 - Hybrid Microcircuit Designer - thick and thin film.

N2 - Heavy Electric Power Equipment Rep - proven sales record.

N3 - Technical Writer - specialized in military radar manuals.

We feel this is a positive step to help our members who are out of work. The program is intended for those who are at **Member Grade and above**.

IEEE CHICAGO SECTION SCANFAX PLACEMENT SERVICE

The information on this form will be given to prospective employers who call unless you note "CONFIDENTIAL" on the top of the form. If you accept employment, please notify us *immediately* so that we may clear our files.

Each ad will run in two consecutive issues of Scanfax. Deadline is the 25th of the second month preceding issue. For example, an application received on February 20 will be in the April issue; one received March 3 will be in the May issue. Scanfax is not published in July or August.

Name _____ IEEE No. _____ Expir. Date _____

Address _____ IEEE Grade _____

City/State _____ Zip _____ Phone _____

Please note your ad in the 99 spaces provided:

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PLACEMENT SERVICE

The Chicago Section is now offering a Placement Service for its members free of charge. The program is intended for those who are Member Grade and above and is a positive step to help our members who are unemployed. If interested in any of the applicants listed below, call the IEEE office 649-2800 for their name and phone number. If marked "confidential," the applicant will be contacted by the IEEE office so that he/she may contact the prospective employer.

- 171 S2 - Entry level position in Electromagnetics and/or Controls. MSEE, BS & MS Physics. Experience in Fortran.
- 172 BSEE EIT seeking entry-level Electrical Engr. Position - C, Fortran, Basic, Assembler pursuing MSEE.
- 173 Analog/Digital Analysis & Design - Spice Modeling - Programming (C, Basic, Assembly)
- 174 MS DOS Computer Maintenance/ Electronic Design Automation/ Programming.
- 175 Analog/Digital Analysis & Design - Spice Modeling - Programming (C, Basic, Assembly)

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**POWER
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SOCIETY**

- SPEAKER:** Stephen M. Scioscia
Project Engineer
Square D Company
- TOPIC:** Medium Voltage Switchgear – New Alternatives in a Traditional Market
- ABSTRACT:** Medium voltage switchgear selection has traditionally been limited to a choice between draw out *metal-clad* circuit breakers and *metal-enclosed* load interrupter switches. We will briefly review this equipment and explore the latest industry offering made possible through recent advances in vacuum and switching technology.
- BACKGROUND:** Steve Scioscia is the Project Engineer for Medium Voltage Interrupter Switchgear at Square D Company's Medium Voltage Headquarters in Smyrna, TN. He is involved with application, promotion and sales of medium voltage switchgear. Prior to joining Square D in January 1988, Steve was a Field Sales Engineer with Westinghouse in St. Louis, MO and later in Nashville, TN. Steve had also been in sales management for a computer equipment vendor in Pennsylvania after graduating from Vanderbilt University in 1983 with a Bachelor of Science degree in both Engineering Management and Business Administration.
- PLACE:** Carson Pirie Scott – Chicago, IL (Monroe and Wabash); Corporate (Lower) Level
- DATE:** March 1, 1989
- TIME:** 11:30 Cocktails
12:00 Lunch (Cost \$9.00 per person)
12:45 Presentation

Reservations may be made by calling the IEEE Chicago message center at 649-2800. Please leave name(s) and company name(s) for those wishing to attend.

NOTICE! NOTICE! NOTICE! — The April meeting is changed from April 5, 1989 to April 12, 1989.

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The video courses offered Spring Quarter (March 27 - June 2) are:

ME 323	Heat Exchangers
ME 329	Internal Combustion Engines
EECS 360	Automatic Control
EECS 341	Microprocessor - Based Design

For complete details, contact the Program Co-Ordinator at (312) 996-2311

The IEEE Chicago Chapters of the Computer Society and of the Engineering Management/Professional Communications Societies

invite you to their joint meeting on some recent patent law changes.

SPEAKER: Mr. C. Donald Berteau, CDP
ISDN Consultant at Lachman Associates, Inc. of Naperville, IL

TOPIC: An Inventor's View of Patent Litigation Today

DATE: March 15, 1989

PLACE: Wilton Manor, 2200 N. Main St. (at Geneva Rd.), Wheaton, IL

TIME: 5:30 p.m. — Social Hour (Cash Bar)
6:30 p.m. — Dinner (\$12 for IEEE/ACM members; \$14 for non-members)
Reservations for dinner are necessary — please see below
7:30 p.m. — Presentation (no charge)

ABSTRACT: For companies who had used the strategy of "infringe now — litigate later", the world changed in 1982 with the establishment of the U.S. Court of Appeals for the Federal Circuit Court system. Don will present an inventor's view of the issues involved in suing for alleged infringement as this situation has evolved since 1982.

U.S. Patent #3,636,520, "Computer System for Improved Data Transmission" was issued to Don on January 18, 1972. He will discuss his attempts to enforce his patent rights during the intervening period.

ABOUT THE SPEAKER: Don has over fifteen years of experience in sales and marketing of information systems solutions. Most recently he has concentrated on developing marketing strategies for ISDN consulting services and products, on establishing strategic partnerships with Regional Bell Operating Companies; he is a consultant to the U.S. Government on ISDN Application Architectures.

His previous marketing assignments were at Wang Laboratories, First Computer Corporation, and GTE Information Systems.

Please make your dinner reservations with our IEEE Chicago Message Center (649-2800) no later than noon on 3/13/89. Reservations for attending only the meeting are desirable.

For additional information about this event or for special travel directions, please contact Joe Feitler at 979-8023 or at 505-9100, X277.

View From Your Editor

I recently received a phone call from a member who was perturbed because there were two IEEE meetings scheduled for the same night, both of which he wanted to attend. He requested that the section try to do something about this.

Fortunately, most chapter and subsection meetings do not conflict with each other, due to serendipity and occasional planning. Sometimes, however, speakers and/or facilities for tours are only available at certain times. Then, there are potential conflicts for some of our members. Unfortunately, there is little that we can do except to try to minimize these events.

There is a calendar of meetings published in every SCANFAX, and members will just have to try to make their choices and live with the results. Anyone with suggestions on how to improve the situation should contact any of the section officers.

Bob Hofmann, SCANFAX Editor



THE
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IEEE RECOGNITION DINNER

DATE: SATURDAY, MAY 20, 1989

PLACE: RAMADA HOTEL O'HARE – PENTHOUSE BALLROOM
6600 N. MANNHEIM RD. (JUST NORTH OF HIGGINS)
ROSEMONT, IL 60018

PROGRAM FOR THE EVENING

COCKTAILS 6:00 P.M.
& Hors D'oeuvres

DINNER 7:00 P.M.

DONATION: \$30.00 PER PERSON

AWARDS

FELLOW: Mr. S. David Hoffman – Underwriters Laboratories
Mr. Charles K. Rhodes – University of Illinois
Mr. Karl E. Martersteck Jr. – AT&T Laboratories
Professor Henry Stark – Illinois Institute of Technology

STUDENT: To be announced

ENTERTAINMENT: Charles Dink Freeman
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DANCING: LARRY ECHDYNE ORCHESTRA
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