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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, 1990

March 7 Wednesday	EMC Society	Board Level Suppression of EMI	AT&T Bell Labs 2000 N. Naperville Rd. Naperville, IL	Social: 7:15 PM Meeting: 7:30 PM
March 13 Tuesday	Chicago Section	Executive Committee	Contemporary Controls 2500 Wisconsin Downers Grove, IL	Meeting: 7:15 PM
March 14 Wednesday	Power Engineering Society	The Evolution of Microprocessor Relaying	Carson Pirie Scott Chicago-Monroe & Wabash Corporate Level	Social: 11:30 AM Lunch: 12:00 PM Meeting: 12:30 PM
March 14 Wednesday	IAS/IES/Computer Society	Computer Facilities Grounding Techniques	Wilton Manor Schmale Rd. Wheaton, IL	Social: 5:30 PM Dinner: 6:30 PM Meeting: 7:30 PM
March 20 Tuesday	Product Safety Group/ EMC Society	Voltage Surge Suppressors	Underwriters Labs 333 N. Pfingston Rd. Northbrook, IL	Meeting: 6:30 PM
March 21 Wednesday	Communications/ Computer Societies	Local Area Networking	Wilton Manor Schmale Rd. Wheaton, IL	Social: 6:00 PM Dinner: 7:00 PM Meeting: 8:00 PM
March 22 Thursday	Reliability Soc./ Product Safety Committee	New Reliability Techniques	Mr. Peters Banquets Rand & Central Rd. Mt. Prospect, IL	Social: 6:00 PM Dinner: 7:00 PM Meeting: 8:00 PM
March 28 Wednesday	Fox Valley/LEOS	Ultrafast Optoelectronics	Wilton Manor Schmale Rd. Wheaton, IL	Social: 6:00 PM Dinner: 7:00 PM Meeting: 8:00 PM



IEEE POWER ENGINEERING SOCIETY

SPEAKER: Roger Hedding
Westinghouse-ABB

TOPIC: THE EVOLUTION OF MICROPROCESSOR RELAYING

ABSTRACT: The use of microprocessors in relaying is expanding daily. This presentation traces the evolution of the microprocessor in relaying from its introduction of performing small tasks in early vintage relays, to the complex functions in numerical relays existing today. The reasons for this change are also explored.

BACKGROUND: Mr. Hedding is presently the System Protection Area Manager for Westinghouse-ABB in Milwaukee, Wisconsin, a position he has held since 1988. He is responsible for the application, introduction of new product, and problem resolution to Electric Utilities in a 10 state area.

PLACE: Carson Pirie Scott - Chicago (Monroe and Wabash)
Corporate (lower) Level

DATE: March 14, 1990

TIME: 11:30 Social
12:00 Lunch
12:30 Presentation

RESERVATIONS MUST BE MADE BY MONDAY 3/12/90, 12:00 PM. 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.

Power and Life

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 24	AUG 15
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NOV	SEPT 25	OCT 15
DEC	OCT 30	NOV 15
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- ♦ Non - Gaussianity
- ♦ Phase
- ♦ Colored Noise
- ♦ Nonlinearities
- ♦ Transients
- ♦ Multipaths

HIGHER - ORDER

SPECTRA

APPLICATIONS

- ✓ Array Processing
- ✓ Blind Equalization
- ✓ Time - Delay Estimation
- ✓ Harmonic Retrieval
- ✓ Adaptive Filtering
- ✓ Image Reconstruction
- ✓ Sonar/Radar

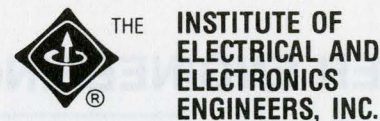
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INDUSTRY APPLICATIONS SOCIETY
INDUSTRIAL ELECTRONICS SOCIETY
CHICAGO CHAPTER

JOINT MEETING
WITH
IEEE COMPUTER SOCIETY
Wednesday March 14, 1990

COMPUTER FACILITIES GROUNDING
TECHNIQUES

About the Speaker/Meeting Topic

Richard Singer of the Cadwell Division for Erico Products Inc. has developed extensive expertise in the subject area. This meeting will be a open forum to consider many of the common and uncommon problems involving the special needs for computer facilities.

Program Sponsor: Dennis Lamont — Weldy/Lamont Associates

Location	Time	
Wilton Manor	5:30 PM	Social
2200 N. Main	6:30	Dinner
Wheaton, IL	7:30	Program

Reservations:

Please call the IEEE Message Center at 649-2800 no later than March 7th in order to ensure Dinner seating.

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in a Joint Meeting with

The LASER and ELECTRO-OPTICS SOCIETY

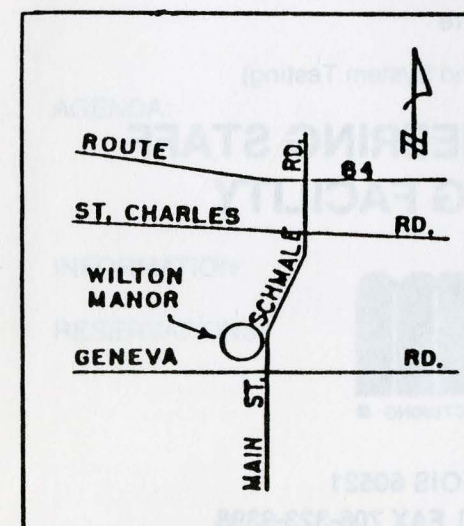
TOPIC: Ultrafast Optoelectronics
DATE: Wednesday, March 28th, 1990
SPEAKER: Dr. David H. Auston
PLACE: Wilton Manor, Schmale Rd.,
Wheaton
TIME/COST: Social: 6:00 p.m. - Cash Bar
Dinner: 7:00 p.m. - \$12.00
Speaker: 8:00 p.m. - Free

RESERVATIONS: Call (312) 649-2800 to make reservations for Dinner and/or Meeting, by Monday, March 26th, 1990.

TECHNICAL QUESTIONS: Direct questions about our topic or speaker to Dave Schumacher at (708) 510-6471.

ABSTRACT: Dr. Auston's talk surveys recent research on the applications of ultrafast optical techniques for measuring the properties of high-speed materials. The talk concentrates on the application of pico- and femto-second optical pulses to generate and detect very short electrical pulses, for use in such things as non-invasive probing of integrated circuits and measurement of lightwave communications.

ABOUT OUR SPEAKER: Dr. David H. Auston currently is Professor of Electrical Engineering and Applied Physics at Columbia University. Formerly of AT&T Bell Laboratories, Dr. Auston served as Head of the High Speed Materials and Phenomena Research Department at Murray Hill, NJ.



Announcement

FROM THE
PRODUCT SAFETY TECHNICAL COMMITTEE
OF THE EMC SOCIETY

DATE: March 20, 1990

TIME: 6:30 P.M.

INFORMATION:

Richard Hagedorn (708) 355-5722
John Allen (708) 827-7520
John Knecht (708) 272-8800

LOCATION:

Underwriters Laboratories, Inc.
333 N. Pfingsten Rd.
Northbrook, IL 60062

Between Dundee Rd. and Lake Cook Rd.: Main entrance at Pfingsten Rd., 1 block south of traffic light at Pfingsten and Maria Ave.

SPEAKER:

Tony Tutins
Director of Q.A. & Mfg.
Perma Power Electronics, Inc.
Niles, IL

TOPIC:

Voltage Surge Suppressors

Applications and function of across-the-line power and secondary telephone surge suppressors.

Protection of personnel and equipment: an analysis of UL requirements.

ADVANCED TECHNOLOGY IN ELECTRONICS, MICROWAVE, FIBER OPTICS

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Computer Cables (Shielded & Unshielded)	Multi Conductor Cables (Shielded & Unshielded)
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Data Processing Cable (High Speed)	Point of Sale Cable
Delay Lines	Power Limited Circuit Cable Class 2 or 3
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Fiber Optic Adaptors	Power Limited Fire Protective Signaling Cable
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IEEE RELIABILITY SOCIETY JOINT MEETING WITH THE PRODUCT SAFETY TECHNICAL COMMITTEE OF THE EMC SOCIETY

MARCH 22, 1990

SPEAKER: Mr. Keki R. Bhote
Motorola, Inc.

TOPIC: New Reliability Techniques

ABSTRACT: Most reliability improvement tools concentrate on elementary techniques such as Failure Mode and Effects Analysis (FMEA), Fault Tree Analysis (FTA), reliability prediction studies, computer models, etc. While these paper studies certainly help in identifying reliability weaknesses, they are at best preliminary tools.

The tools to be presented at this session will be more powerful tools, such as Multiple Environment Overstress Testing. Their object will be not only to quantify unreliability, but to achieve zero failures, just as Design of Experiments is intended to achieve zero defects.

ABOUT THE SPEAKER: Mr. Bhote is the Senior Corporate Consultant on Quality and Productivity Improvement for Motorola, Inc. Among his research contributions are Statistical Design of Experiments, Multiple Environment Overstress Testing, Quality Function Deployment, Cycle Time Reduction, and Strategic Supply Management. He is the recipient of Zero Defects Award from the U.S. Department of Defense, and the Cecil B. Craig Award from the American Society of Quality Control. He is the author of several text books, and has published over 100 papers. Mr. Bhote received a B.S. in Telecommunications Engineering from the University of Madras in India, and his M.S. in Applied Physics and Engineering Sciences from Harvard University.

PLACE: Mr. Peter's Banquets
Rand & Central Roads
Mt. Prospect, IL

AGENDA:

Social Hour:	6:00 PM	Cash Bar
Dinner:	7:00 PM	\$13.00 per person
Meeting:	8:00 PM	There is no charge to attend the meeting only

INFORMATION: Kim Smith (708) 480-6866

RESERVATIONS: IEEE Chicago message center by March 19th. (312) 649-2800

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| ☐ Part 18 | ☐ RTCA/DO160 | ☐ Other | ☐ Other |
| ☐ Part 68 | ☐ SAMA | | ☐ Surge |
| | ☐ ESD | | ☐ IEC 801 |

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Joint Meeting of the IEEE Communications Society and the IEEE Computer Society (Chicago Section)

AGENDA:

- Introductions
- Discussion of the Charter
(Communications Society - Chicago Section)
- Technical Presentation: **Local Area Networking**

DATE: Wednesday, March 21, 1990

GUEST SPEAKER: Lennox P. Balgobin
Hewlett Packard

PLACE: Wilton Manor, Schmale Rd., Wheaton

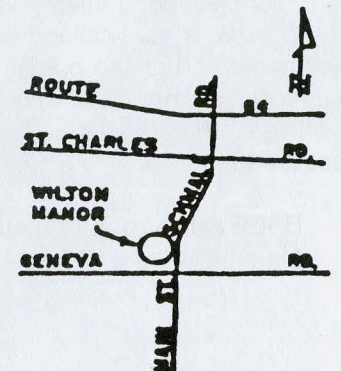
TIME/COST: Social: 6:00 PM - Cash Bar

Dinner: 7:00 PM - \$11.00

Speaker: 8:00 PM - FREE

RESERVATIONS: Call (312) 649-2800 to make reservation for Dinner and/or Meeting by Monday, March 19, 1990.

FURTHER INQUIRIES: For further questions call Dr. Vijay Garg at (708) 713-7220.



ABOUT THE TOPIC: Integrating clients and servers is the first step in making the data communications connection in a local area network (LAN). Local area networks are the medium of choice, offering high speed communications and access to multiple devices. A variety of LAN products are available. Unfortunately, not all products are compatible with one another. This talk focuses on the connectivity of LAN products in a multi-vendor environment.

ABOUT OUR SPEAKER: Lennox P. Balgobin is a network consultant at Hewlett Packard. He is responsible for the planning and design of local area and wide area networks in a multi-vendor environment.

Mr. Balgobin has extensive industrial experience in networking. He has a BSEE and a MS degree in Computer Science from Columbia University.

Although the dinner is optional, it should be realized that the meeting room is provided by the restaurant because of the dinners. In essence, the price of meals subsidizes the expenses incurred for the technical presentation. Moreover, the conversations during dinner provide an excellent opportunity to meet your fellow members.

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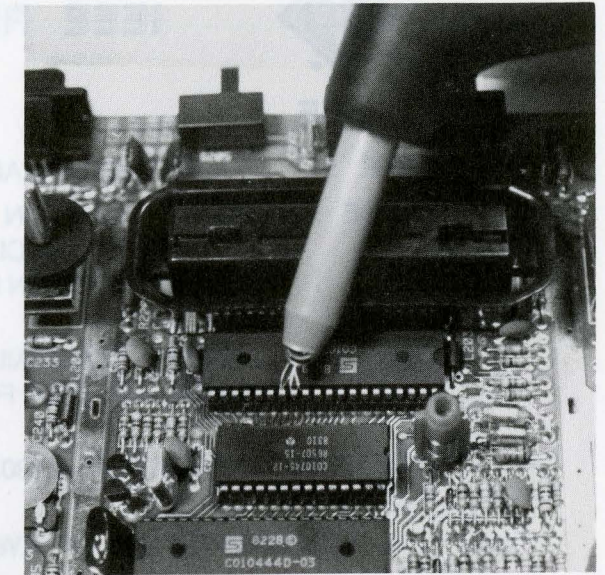
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IEEE

IEEE RECOGNITION DINNER — 1990

DATE : SATURDAY, APRIL 28, 1990
PLACE : WOODFIELD HILTON & TOWERS (MICHIGAN ROOM)
3400 W. EUCLID AVENUE,
ARLINGTON HEIGHTS, IL
TIME : 6:00 PM — COCKTAILS & HORS D'OEUVRES
7:00 PM — DINNER, FOLLOWED BY PROGRAM
TICKETS: DONATION — \$30.00 PER PERSON

PRESENTATION OF AWARDS BY CHICAGO SECTION

IEEE Fellow Dr. Allen Taflove (Northwestern University)
Dr. P. L. E. Uslenghi (University of Illinois at Chicago)

Student Awards (names to be announced)

THE SOCIAL SCENE

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Entertainment — Ray Schulenberg, *Motorola Inc.*

PLEASE ORDER YOUR TICKETS (at \$30 per person)

(You may plan for your group at tables with 10 people)

by mail — Joe Feitler, Box 72, River Forest IL 60305 (no later than April 20, 1990)

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