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TIME SENSITIVE MATERIAL

*** As of 12/01/90 our IEEE Office number has changed to (708) 963-3828 ***

CALENDAR OF EVENTS

Copy Deadline for January SCANFAX is November 27, 1990

For reservations call IEEE Office at (708) 963-3828 before the stated deadline

Nov 28 Wednesday	Electro-Magnetic Compatibility	EMSCAN Finds Hot Spots on PCB Assemblies	Chicago O'Hare Marriott [Kennedy & Cumberland] 8535 W Higgins Chicago, IL	Demo: 6:30 PM Meeting: 7:30 PM
Dec 4 Tuesday	Fox Valley Subsection; Consumer Electronics	A Technical Assessment of Advanced Television	Wilton Manor Schmale Road Wheaton, IL	Social: 6:00 PM Dinner: 7:00 PM Meeting: 8:00PM
Dec 10 Monday	Antennas and Propagation/ Microwave Theory	Supercomputing Computational Electromagnetics	Avalon Banquets 1905 E. Higgins Elk Grove Village, IL	Social: 5:30 PM Dinner: 6:30 PM Meeting: 7:30PM
Dec. 11 Tuesday	Chicago Section	Executive Committee	Contemporary Controls 2500 Wisconsin Downers Grove, IL	Meeting: 7:15 PM
Dec 12 Wednesday	Power Engineering	Reclosers – A Key to Distribution System Protection	Carson Pirie Scott Monroe & Wabash Chicago (Corporate Level)	Social: 11:30 AM Lunch: 12:00 noon Meeting: 12:30 PM
Dec 13 Thursday	Computers; Engin. Mgt and Prof. Commun.	Disaster Recovery Planning and Implementation	Interactive Systems 1901 N. Naper Blvd. Naperville, IL	**Dinner: 6:30 PM Meeting: 8:00 PM ** see notice
Dec 17 Monday	IAS/IES; Northwest Subsection	Group Rapid Transit Vehicle Design & Suburban Integration	Cypress Restaurant 500 E. Ogden Ave. Hinsdale, IL	Social: 5:45 PM Dinner: 6:30 PM Meeting: 7:30 PM
Dec 20 Thursday	LEOS	Femtosecond Optics & Ultrafast Studies in Materials & Devices	Jerry Sharko's 2225 Ogden Ave. Lisle, IL	Social: 5:30 PM Dinner: 6:15 PM Meeting: 7:30 PM
1991				
Jan 9 Wednesday	Power Engineering	Distribution Automation: Alternatives for Electric Utilities	Carson Pirie Scott Monroe & Wabash Chicago (Corporate Level)	Social: 11:30 AM Lunch: 12:00 noon Meeting: 12:30 PM

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SCANFAX DEADLINES

ISSUE	COPY DUE	MAILED ON
JAN 91	NOV 27	DEC 15
FEB	DEC 20	JAN 15
MAR	JAN 29	FEB 15
APR	FEB 26	MAR 15
MAY	MAR 26	APR 15
JUNE	APR 30	MAY 15

**THESE ARE FIRM DEADLINES
FOR ADS AND COPY!!!**

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Change of Address

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The Chicago Chapters of the IEEE Computer and the Engineering Management Society/Professional Communications Society invite you and your friends to a particularly timely presentation:

PLACE: INTERACTIVE Systems Corp., 1901 N. Naper Blvd, Naperville, IL (immediately north of Naperville Road exit of I-88, at SW corner at Warrenville Road)

DATE & TIME: Thursday, December 13, 1990 at 8:00pm (Reservations requested)

TOPIC: Disaster Recovery Planning and Implementation

SPEAKER: Bill Kutina, Marketing Representative
Comdisco Disaster Recovery Services (CDRS), Inc. in Rosemont, IL

Mr. Kutina will explain the evolution of the disaster recovery industry, review some of CDRS's major recovery efforts, the recovery of computer and telecommunications (including voice) capabilities. In addition, he will talk about "business function recovery" and the role of corporate contingency planning, followed by a look into future concepts for disaster recovery in the 1990s. A short video tape will illustrate a client's disaster recovery test.

ABOUT OUR SPEAKER

Mr. Kutina received a BS in Computer Science from the University of Michigan. Since then he has acquired six years of marketing experience, ranging from UNIX supermini computers, CAD/CAM system, database management systems to his current efforts related to disaster recovery services.

Optional "MEET THE SPEAKER DINNER" at Old Peking Restaurant, 1563 Naperville Road (near large white water tower south of I-88 exit at Naperville Road) at 6:30 pm. (Order from menu).

Please make reservations at IEEE Office for meeting (and optional dinner) by 12/10/90 to assure seating. For more information please contact Joe Feitler at (708) 505-9100, X 277.

LETTER TO OUR CHICAGO SECTION MEMBERS

As an IEEE member from 1960 many concentrations have changed. We are now involved in super-computers and super-colliders. In Sept we had battery-powered cars. Oct ranged from traction power to medicine & mgt. Nov was GaAs FET, power and semiconductors. In Dec and next year better things are coming.

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Any assistance will be greatly appreciated. Joint meetings foster better attendance. Refer to our Section Staff Directory in the October issue. We have revised copies. Watch for further updates.

Bob Camillione



IEEE

LASERS AND ELECTRO-OPTICS SOCIETY

CHICAGO CHAPTER

TOPIC: Femtosecond Optics and Ultrafast Studies in Materials and Devices

DATE: Thursday, December 20, 1990

SPEAKER: Prof. James G. Fujimoto
Massachusetts Institute of Technology

LOCATION: Jerry Sharko's, 2225 Ogden Ave., Lisle, Illinois

Recent advances in ultrashort pulse laser generation and measurement techniques have revolutionized the study of ultrafast phenomena and suggest the emergence of femtosecond optics as an engineering field. We present an overview of key developments in this area with emphasis on studies of electronic and optoelectronic materials and devices.

AGENDA: 5:30 p.m. Social/Business Meeting (Cash Bar)
6:15 p.m. Dinner (\$15 per person, \$7 for students)
7:30 p.m. Technical Presentation (No charge)

REGISTRATION: Entree choices are Coq au Vin, Orange Roughy, or Vegetable Platter. Advanced dinner reservations should be made by calling the IEEE Chicago Message Center at (312) 649-2800 by 5:00 p.m. on Tuesday, December 18, 1990. For additional information, contact Jan P. Hessler at (708) 972-3717.



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DECEMBER 1990 MEETING NOTICE

Supercomputing Computational Electromagnetics

PRESENTED BY
DR. ALLEN TAFLOVE
IEEE FELLOW

This talk summarizes the state of the art of applying supercomputing to model complex electromagnetic wave interactions with structures by solving Maxwell's equations. A number of topics are selected as focus areas. (1) Numerical approaches. Recent advances in implementing both frequency and time domain numerical approaches on supercomputers are summarized. (2) Visualization. The emergence of color graphics visualization of EM fields is discussed. Color videos are presented. (3) Computer architectures and programming. (4) Horizons through the mid-1990's.

DATE: Monday, December 10, 1990

PLACE: Avalon Banquets
1905 E. Higgins
Elk Grove Village Ill.

The hall is located at the corner of Busse (Rt.83), Oakton and Higgins (Rt.72)

TIME: Social - 5:30 PM
Dinner - 6:30 PM
Meeting - 7:30 PM

Please make your reservations by noon on Friday, December 7, by calling (708) 963-3828. The dinner cost is \$18.00 and is optional. A reservation is required, even if you plan to attend the meeting only. Non-IEEE members are welcome.

INDUSTRY APPLICATIONS SOCIETY INDUSTRIAL ELECTRONICS SOCIETY CHICAGO CHAPTER

Northwest Subsection

DECEMBER 1990

JOINT MEETING

GUIDED TURBINE/ELECTRIC AND GROUP RAPID TRANSIT VEHICLE DESIGN AND SUBURBAN INTEGRATION

This presentation will describe the overall traction and hotel systems design for fixed-gulldway self-powered vehicles including:

Turbine-Electric or 600 volt DC traction with AC motors, 60 or 400 hz
Minimum guideway movement - overhead and at grade
Linkup with METRA radial commuter trains, O'Hare and mall people movers
Auxilliary AC-DC Power Supply (turbines) or Inverter/Converter (600V)

Our speakers will be Bob Camillone and John Driver with airframe and motive power contributions from Henry Wiger. Henry is a Staff Engineer with Pullman Technology (ret.) and formerly of McDonald Douglas. John is an instructor with Purdue Calumet and Staff Engineer from AAR (ret.). Bob is Systems Engineering Manager for Pullman Technology (Pullman-Standard).

Date: Monday December 17, 1990

Time: Social 5:45 pm cash bar

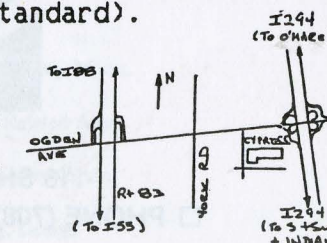
Dinner 6:30 pm \$13.00 -

Reservation number (708)9633828

Meeting 7:30 pm Reservation
required for seating.

Coffee 1.00 (reg.- decaf)

Cypress
500 E. Ogden
Hinsdale, IL
(708)3232727



SPEAKER: David G. Kumbera, Distinguished Lecturer
Chief Development Engineer, Cooper Power Systems, Inc.
Kyle Distribution Switchgear

TOPIC: Reclosers -- A Key to Distribution System Protection

ABSTRACT: The development of reclosers is reviewed including some interesting facets of the early design/development work. Recloser development is traced from its early beginnings up to recent times with some highlights of the various designs on the market today. Oil, vacuum, and SF₆ interrupters used in reclosers will be examined.

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

DATE: December 12, 1990

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

Reservations must be made by Monday 12/10/90, 12:00 PM. by calling the IEEE Chicago message center at 708-963-3828. Lunch is \$9. Please leave name(s) and company name(s) for those wishing to attend.

FOX VALLEY SUBSECTION & CONSUMER ELECTRONICS SOCIETY

TOPIC: A Technical Assessment of Advanced Television

DATE: Tuesday, December 4th, 1990

SPEAKER: T.S. Rzeszewski

PLACE: Wilton Manor, Schmale Rd., Wheaton

RESERVATIONS: Call (708) 963-3828 to make reservations for Dinner and/or Meeting, by Friday, November 30th 1990.

TECHNICAL QUESTIONS: Direct questions about our topic or speaker to Marty Lake at (708) 510-6626.

ABSTRACT: Advanced Television (ATV) is a generic term for the three levels of improved quality television. This talk will discuss topics relevant to the introduction of ATV in the U.S.

ABOUT OUR SPEAKER: T. S. Rzeszewski received the BSEE and MSEE degrees from the University of Illinois, Urbana, and Honorary Doctorate Degree from the Midwest College of Engineering, Lombard, IL. Currently with Matsushita Television Company, his present research interests include High Definition Television and Digital Video.

TIME/COST: Social: 6:00 p.m. - Cash Bar
Dinner: 7:00 p.m. - \$12.00
Speaker: 8:00 p.m. - Free

IEEE MEETING NOTICE

CHICAGO CHAPTER - IEEE EMC SOCIETY

DATE: WEDNESDAY - NOVEMBER 28, 1990
Demonstration & Refreshments 6:30 P.M.
Meeting 7:30 P.M.

LOCATION: CHICAGO O'HARE MARRIOTT
8535 WEST HIGGINS ROAD (Kennedy & Cumberland)
CHICAGO, IL 60631
312-693-4444

SPEAKER: ROBERT CRAWHALL - BELL NORTHERN RESEARCH

TOPIC: "EMSCAN FINDS RF HOT SPOTS ON PCB ASSEMBLIES"

The EMSCAN allows radiated emissions from a circuit board to be analyzed & displayed graphically using a conventional spectrum analyzer & computer. Talk followed by demonstration using before & after boards by Roger Swanberg.

RESERVATIONS & DIRECTIONS: CALL IEEE OFFICE 312-649-2800