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CALENDAR OF EVENTS

For reservations call the IEEE office at 236-4609
(unless otherwise indicated)

APR. 2	"Motivation in a Technical Environment"	Fox Valley Sub.	Elmhurst Inn 933 Riverside Dr. Elmhurst	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
7	To be announced	Antennas & Propaga.			
8	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	Brown & Root Offices 2001 Spring Rd. Oak Brook	Meeting	7:30 PM
9	"Directorial: Multiplex. System for Indusl. Applica."	Indus. Appls. Soc. & Indusl. Electns. Control Instrumen.	Nielsen's Village 7330 W. North Ave. Elmwood Park	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
12	Tutorial Seminar - "Dist. Computing"	Computer Soc.	(See article on page 2)		9:30 AM--4:00 PM
12	Tour - Commonwealth Edison's South Zone Control Center	Power Engrng. Soc. (j/w Indus. Appls. Soc. & Control Instrumen.)	(near) Joliet	Morning	
16	"Safety of 800 Megahertz in Personal Portables"	Vehicular Tech. Grp.	Lancer Rest. 1450 E. Algonquin Rd. Schaumburg	Social Dinner Meeting	6:30 PM 7:00 PM 8:00 PM
21-23	42nd Annual American Power Conference	Ill. Inst. of Tech., Power Engrng. Soc. & 8 other Engrng. Soc.	The Palmer House State & Monroe Sts. Chicago	(For infor. call R.A. Budenholzer at 567-3196)	
MAY 3	Tutorial - "Ada"	Computer Soc.	(See article, pg. 2)		9:30 AM--4:00 PM
3	MAC '80 (Midwest Acoustics Conference)		Ill. Inst. of Tech. Hermann Hall, 3241 S. Federal, Chicago		9:00 AM--5:30 PM (For infor. call T. Tutins, 455-3600)
7	"Acoustic Design for Electronic & Sound Reprodctn."	Fox Valley Sub.	The Tally-Ho Rest. 27W103 North Ave. Rt. 64, West Chicago	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
10	Seminar - "Automatic Process Control"	Indus. Appls. Soc. & Indusl. Electns. Control Instrumen.	Fermilab Kirk Rd. & Pine Batavia	Registra.	8:00 AM (For infor. call J. Anich, 269-6012)
13	Monthly Meeting	IEEE Executive Cte.	Brown & Root Offices	Meeting	7:30 PM
14	"SF ₆ Gas Insula. Equip. - U.S. & Europe"	Power Engrng. Soc.	Stouffer's Rest. 32 E. Randolph St. 2nd Fl., Chicago	Social Lunch Meeting	11:15 AM 11:45 AM 12:30 PM
14	"Radio Naviga. Vehic. Monitoring & Loca. Schemes"	Vehicular Tech. Grp.	Lancer Rest. 1450 E. Algonquin Rd. Schaumburg	Social Dinner Meeting	6:30 PM 7:00 PM 8:00 PM
17	Recognition Dinner	IEEE Chicago Sec.	(See full page announcement on page 5)		
19	"Impact of Solar & Geomagnetic Dist. on Elec. Pwr. Trans. ..."	Antennas & Prop./ Microwave Theory & Techniques Soc.	Louis' Place 351 E. Lake Addison	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
20	"New FCC Regulations for RFI"	Northwest Sub.	Mr. Peters Rest. Rand Rd. (Shop. Mall) Mount Prospect	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM

COMPUTER SOCIETY SPONSORING TUTORIALS

The Computer Society is sponsoring two tutorials which are as follows: April 12 / Distributed Computing Tutorial Lecture — This tutorial is a modification of the one presented at the October '79 First International Conference on Distributed Computing Systems. It will emphasize the architecture aspects of system design with very little emphasis on the requirement engineering aspects of distributed systems design. It specifically addresses those architecture design problems of systems which employ integrated resource management schemes for reasons of performance, reliability/availability, survivability or simply resource utilization efficiency. Such architectures are characterized by not only partitioned, but also replicated processing functions and supporting data, and substantially more complex control requirements.

The speaker will be Michael P. Mariani, currently Program Manager for TRW's Distributed Processing Architecture Design Program. He is a graduate of the University of Illinois and has published numerous technical papers and co-authored the first tutorial, addressing a formal approach to the design of distributed systems. Mr. Mariani is a member of IFIP Working Group 10.3 on software/hardware interrelation.

The tutorial will be held at Honeywell, Inc., 1500 West Dundee Road in Arlington Heights from 9:30 AM to 4:00 PM.

May 3 / Ada Tutorial — This tutorial is intended to familiarize the application programmer, the system programmer and the software project manager with the Ada programming language effort. Its objectives are to review the sequence of events prior to the development of Ada, discuss the "STEELMAN" requirements document, overview the Ada programming language and provide insight into establishing a programming environment for Ada. Attendees should have a working knowledge of at least one high order programming language.

Dr. Joseph E. Urban, Special Projects Officer in Software Engineering at the U.S. Army Signal Center in Fort Gordon, Georgia and a Teaching Associate at the University of South Carolina will be the speaker. His Ph.D. thesis was selected by the ACM Doctoral Forum as one of the four best Computer Science theses produced during the 1977-78 academic year. Dr. Urban is a member of the Association for Computing Machinery, the IEEE Computer Society and the American Society for Information Science.

Chicago Kent College of Law, 77 South Wacker Drive is the location for this tutorial from 9:30 AM to 4:00 PM.

For further information on either of the above tutorials, call Ralph Wallace or Martha Evens at 567-5156.

FOX VALLEY PRESENTING "MOTIVATING EMPLOYEES IN A TECHNICAL ENVIRONMENT"

Mr. John T. Retterer, President of Retterer and Associates, a consulting firm in Management Development and Human Relations will address the Fox Valley Subsection at its April 2 meeting. His topic, "Motivating Employees in a Technical Environment" will cover the motivating manager, how to use McGregor, Maslow, Herzberg and Skinner's ideas and how to deal with demotivators. Mr. Retterer is a graduate of Roosevelt, Northern Illinois and Loyola Universities. See Calendar of Events for location and time.

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John Tyner, Editor
Electrical Energy Management
(312) 469-5534

Tom Traub, Managing Editor
Commonwealth Edison Company
(312) 294-2703

Eleanore Burda, Copy Manager
IEEE Office
(312) 236-4609

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A change of address form is included in each issue of SPECTRUM. Your local post office will also supply you with cards; mail to Roseann Schulz, Member Services, IEEE Service Center, 445 Hoes Lane, Piscataway, N.J. 08854. Include your SPECTRUM mailing label if possible. We cannot forward this information for you, so please do not send it to the local office.

Professional Activity

UPDATE

MODEL PATENT AGREEMENT PROPOSED

A Proposed Model Patent Agreement has been developed by the USAB Task Force on Patents. It embodies many improvements over existing agreements between employers and employees. The objectives are to safeguard more completely the rights of employees and to protect the employer.

- PRECEPTS —
- I. AN INVENTION BELONGS TO THE EMPLOYEE IF: 1) It was made prior to being hired by the employer; 2) It is not included in one of the categories of Precept II.
 - II. AN INVENTION BELONGS TO THE EMPLOYER IF: 1) It was conceived by the employee while performing the normal duties of the employee's work; 2) It was financed by the employer, the employee inventor used time, materials, facilities, funds, or information supplied by the employer; 3) It is related to activities of the employer and uses information the employee acquired in the course of employment.
 - III. THE EMPLOYEE IS OBLIGATED TO HELP THE EMPLOYER OBTAIN AND DEFEND A PATENT. AFTER EMPLOYMENT TERMINATES, SUCH HELP WILL BE PROVIDED FOR A FAIR REIMBURSEMENT FROM THE FORMER EMPLOYER FOR THOSE SERVICES.
 - IV. THE EMPLOYER AND EMPLOYEE ARE BOTH OBLIGATED TO PROTECT THE CONFIDENTIALITY OF INFORMATION THEY RECEIVE FROM EACH OTHER AND TO REFRAIN FROM USING THAT INFORMATION IMPROPERLY.

USAB is requesting comments from members. A complete copy of the proposed agreement is in the IEEE Chicago Section office. Comments may be sent to W. Thomas Suttle at the Washington office, 1111-19th Street, N.W., Washington, D.C. 20036.

Vote! CHICAGO SECTION 1980-81 ELECTION

The Chicago Section Nominating Committee composed of John Waters, Chairman, together with Paul Jahn and Robert Waghorne has selected the following slate of candidates for Section Officers and Executive Committee members for the 1980-81 term. Please mark your choices on the ballot below. If you wish to vote for another member, write the name in the space provided and check the box.

OFFICERS (Vote for four)

Chairman	Vice Chairman	Treasurer	Secretary
☐ Paul Geiger Allen-Bradley Co.	☐ Howard Wolfman Teletype Corp.	☐ Dennis Lamont Weldy/Lamont Assoc., Inc.	☐ Wm. Everson Commonwealth Edison Co.

☐ _____ (Write-in)

EXECUTIVE COMMITTEE (Vote for seven)

☐ Michael Barnes Motorola, Inc.	☐ Charles Borchert Bell Tele. Labs.	☐ Bert Orszula Brown & Root	☐ Robert Scheman A T&T Long Lines
☐ John Tyner Cleworth Pubns.	☐ Robert Waghorne Teletype Corp.	☐ John Waters Bussmann Mfg.	

☐ _____ (Write-in)

Mail the ballot to: John Waters, IEEE Office, 125 South Clark Street, Room 1545, Chicago, Illinois 60603. Ballots must be received no later than April 15, 1980. Results will be announced in the May issue of Scanfax.

IAS/IECI SEMINAR ON MAY 10

The Industry Applications Society/Industrial Electronics & Control Instrumentation Society is conducting a seminar on Saturday - May 10, 1980 at Fermilab located at Kirk Road & Pine in Batavia. This is a sequel to the well-received seminar conducted last year on Instrumentation Management Fundamentals.

The 1980 seminar will cover Basic Instrumentation for Automatic Process Control and the related subjects of control valves, valve activators, and process frequency response and related controller function.

- * A tour of the Fermi facilities will be a high point of the session;
- * Registration will take place at 8:00 AM and closing will be at 4:00 PM;
- * Charges will be \$45.00 for students, \$50.00 for members and \$55.00 for non-members;
- * Texts covering the subject matter will be given to each attendee;
- * Notices on the seminar are being mailed;
- * For details contact: George Thomas at 963-7070.

PES & APC SPONSORING SEMINAR

The Power Engineering Society and American Power Conference will sponsor a seminar on Load Management and Control, Wednesday, April 23 in private dining room #8 of The Palmer House from 8:30 AM to 4:00 PM.

Invited papers will form the core of a forum on the various aspects of load management and load control including economic and technical aspects encountered by small and large users, utilities and manufacturers of load control devices. Power rate-making and regulating agencies, and a report on research in progress will also be covered. Participants include representatives from utilities, manufacturers, consultants, research agencies and electric rate specialists.

Seminar Co-Chairmen are Kenneth J. Rooney, Commonwealth Edison Company and Miro T. Mladiner, Illinois Power Company. Registration cost is \$30.00 and \$50.00 for non-registrants. For further details, call Hank McGreer at 855-7072.

IEEE VIDEOTAPE SHORT COURSES BEING OFFERED

Videotape Short Courses, offered by the IEEE Educational Activities Board have been developed by such experts as Colorado State University, MIT, and Texas Instruments covering a broad range of timely engineering subjects. They are available on a first-come, first-serve rental basis. It is recommended that a schedule be planned to offer the entire course in a four-week period. In some instances where a course is longer, rental will be extended to six or eight weeks. A six week lead-time is requested. Each course consists of five or more color videotape cassettes averaging 30 to 60 minutes on either 3/4" Sony Unimatic, 1/2" VHS or 1/2" Betamax. The recommended textbooks may be purchased separately from the publisher or local bookstore.

The courses being offered are: 90178 Manufacturing Quality Control; 90278 Engineering Economy; 90378 Cooling of Electronic Equipment; 90479 The Frequency Domain; 90579 Operational Amplifier; 90679 Active Filters; 90779 Designing with Microprocessors; 90879 Microprocessors; 90979 Integrated Optics; 91079 MCT: System Analysis; 91179 MCT: Deterministic Optimal Control; 91279-MCT: Deterministic Optimal Linear Feedback; 91379-MCT: Stochastic Estimation; 91479 MCT: Stochastic Control; 91579 Management of Technological Innovation; 91679 Energy Auditing and Conservation; 91779 Solar Energy; 91879 Systems Engineering and Systems Management.

Videotape Short Course order forms may be obtained by writing to the IEEE Educational Registrar, 345 East 47th Street, New York, New York 10017.

RECOGNITION DINNER



The happy, smiling faces you see pictured above are those of the Recognition Dinner Committee. They are smiling because the 1980 Dinner planning is proceeding so well. Once again, the Chicago Section will have an outstanding social event to honor the members' achievements. Its success is largely due to the efforts of those pictured and the cooperation of the electrical and electronics companies in the Chicago area who support this activity.

Pictured, front row (l to r): Joseph Puca, Northrop Corporation; Robert Keller, Quasar MIC; Hank Korman, Recognition Dinner Chairman; Chris Ziola, Zenith; Ray Hayden, Hayden Sales. Back row, (l to r): Jim Ralston, Allen-Bradley Company; Frank Takowski, Frank Votaggio, Jr. and John Williams, Northrop Corporation; Dan Pittenger, Zenith Radio Corporation; John Waters, Bussmann Manufacturing Division; Don Smithana, Data Electronics; Trevor Hinchliffe, Flolo Electric Company.

Every member of the Chicago Section should make an effort to attend this top social event of the year. Tickets are \$18.00 per person and will be limited so make your reservations early.

Date: Saturday - May 17, 1980
Time: 6:00 PM (cocktails) 7:00 PM (dinner) 8:30 PM (entertainment)
Place: Ramada-The O'Hare Inn/Penthouse Ballroom/6600 Mannheim Road/Rosemont

Entertainment:
Paul Lennon, Comedian / Nani's Polynesian Review / Ravenswood Orchestra

Fellow Award Recipient:
James W. Schwartz, "for contributions to the theory and development of color television picture tubes and single-sideband aircraft radio equipment."

Mail reservation to: Frank Votaggio, Jr. Northrop Corporation
500 Hicks Road / Rolling Meadows 60008
312: 259-9600, extension 5409

Enclosed is my check in the amount of \$ _____ covering _____ tickets at \$18.00 each (\$36.00 per couple) for the 1980 Recognition Dinner at Ramada-The O'Hare Inn.

NAME _____
FIRM _____
ADDRESS _____ PHONE _____
CITY/STATE _____ ZIP _____

Make checks payable to the IEEE Chicago Section

Under the supervision of the IEEE Educational Activities Board, their short course and home study programs have gained wide recognition for applications-oriented approach. Many courses in business and management have been developed to round out the needs of IEEE members, their associates and colleagues.

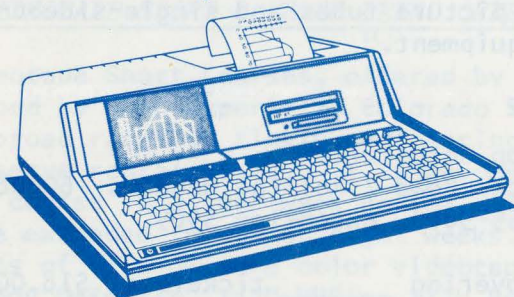
Courses actively offered are: 1001 The Camac Modular Interface Standard; 1002 Electronic Information Processing; 1003 Computer Aided Filter Design; 1004 Computer Networks; 1005 Microprocessors; 1006 Microprocessor Seminar; 1007 Microprocessor Programming; 1008 Minicomputers; 1009 Mini/Microcomputer Applications; 1010 Infrared Testing; 1011 Linear Integrated Circuit Applications; 1012 Integrated Circuits; 1013 Engineering Considerations for Microwave Communications Systems; 1014 Introduction to Applied Magnetism; 1015 OSHA Electrical; 1016 Engineering Economics; 1017 Energy Conservation in Industry; 1018 Applied Principles of Cost-Effective Control of Interference and Hazards (in the non-military domain); 1019 Numerical and Asymptotic Techniques for Electromagnetics and Antennas; 1020 Introduction to Solid State Power Electronics; 1021 Power Systems Planning; 1022 Power Systems Relaying; 1023 Power Systems Interconnections; 1024 Transient Phenomena in Power Systems; 1025 Fundamentals and Applications of Protective Relays; 1026 Protection and Grounding of Distribution Systems; 1027 Practical Applications of Symmetrical Components; 1028 Simplified Automated Test and Measurement Systems; 1029 Fundamental Mechanics for Electrical Applications Engineers; 1030 Fiber Optics; 1031 Lasers-Properties and Opportunities; 1032 Quantitative Analysis of Alternative Energy Systems; 1033 Communicate for Results; 1034 Converting Your Ideas into a Profitable Business; 1035 How to Analyze and Solve Organizational Problems; 1036 How to Start a Business and Make it Grow; 1037 The Life/Work Planning Process; 1038 Managing Your Career Assets; 1039 Basic Project Management-Planning, Scheduling and Control; 1040 Communication and Report Writing Workshop; 1041 National Electrical Safety Code; 1042 Advance Technical Reading.

For further details, contact Vincent J. Giardina, Manager of Continuing Education, IEEE Service Center, 445 Hoes Lane, Piscataway, New Jersey 08854, (201) 981-0060, ext.174.

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