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C A L E N D A R O F E V E N T S

For reservations call the IEEE office at 236-4609

(unless otherwise indicated)

COPY DEADLINE: FIRST WEEK OF MONTH PRIOR TO PUBN.

OCT.	2	Tour - Commonwealth Edison Byron Nuclear Sta.	Power Engrng. Soc. (Call Bob Brauer, 294-8460)	German Church Rd. Rockford	Tour - 10:00 AM Lunch - 12:00 PM (Holiday Inn)
	4-6	NCF-NEC/82	Natl. Engineering Consortium, Inc.	Marriott Oak Brook 1401 W. 22nd St.	(For infor., 325-5700)
	9	"C" Programming Language Tutorial	Computer Soc. (Call John North, 260-4692)	Western Electric Co. 2600 Warrenville Rd. Lisle	9:30 AM - 4:00 PM
	12	"Basic Polarization Theories Funda. to Micro.Remote Sens."	Antennas & Prop./ Microwave Theory & Techniques Soc.	Louis Restaurant 351 E. Lake St. Addison	Social 5:30 PM Dinner 6:30 PM Meeting 7:30 PM
	12	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	Brown & Root Offices 701 E. 22nd St. Lombard	Meeting 7:30 PM
	13	"CAD/CAM Drafting: A User's Perspective"	Industry Appls./ Industrial Electronics Soc.	Nielsen's Village 7330 W. North Ave. Elmwood Park	Social 5:30 PM Dinner 6:30 PM Meeting 7:30 PM
	13	"Power Plant Fire Protection"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm.2, 8th Fl.	Social 11:30 AM Lunch 12:00 PM Meeting 12:30 PM
	18	"Display Technology"	Vehicular Tech. Soc. (Call Jerry Underwood 576-2747)	Mr. Peter's Banquets 1018 Mt.Prospect Plaza Rand & Central Rds.	Social 6:00 PM Dinner 6:45 PM Meeting 7:30 PM
	19	"New Developments in EMC Measurements"	Electro.Compata.Soc. (Call Bob Hofmann, 979-3627)	To be determined	Meeting 7:30 PM
	20	"Portable Pension Legislation"	Fox Valley Sub. (j/w ASME, ISPE & ASM)	Retso's Restaurant 8025 S. Cass Ave. Darien	Social 5:30 PM Dinner 6:30 PM Meeting 8:00 PM
	27	"Distribution Auto. by AM Broadcast Piggyback"	Fox Valley Sub.	Wilton Manor Geneva & Main St. Wheaton	Social 6:00 PM Dinner 7:00 PM Meeting 8:00 PM
NOV.	3-5	"Foundations of Computer Science"	Computer Soc.	Holiday Inn-Mart Plaza 350 N. Orleans St. Chicago	(For infor., Ralph Wallace, 567-5150)
	6	Sem. "Engrng.Liabi."	Power Engrng. Soc.	Carson Pirie Scott	(See art. on pg. 5)
	9	Monthly Meeting	IEEE Executive Cte.	Brown & Root, Inc.	Meeting 7:30 PM
	10	"Indus.Apl.Robotics"	Indus. Appls./IES	(See Oct. 13 listing for mtg. loca. & time)	
	10	"Fiber Optics"	Power Engrng. Soc.	(See Oct. 27 listing for mtg. loca. & time)	
	16	"Local Area Networks"	Communications Soc.	Wilton Manor Geneva & Main St. Wheaton	Social 5:30 PM Dinner 6:30 PM Meeting 7:30 PM
	17	"People Mover ..."	Fox Valley Sub.	(See Oct. 27 listing for mtg. loca. & time)	
	17	"High Efficiency Motors"	Northwest Sub.	Mr. Peter's Banquets 1018 Mt.Prospect Plaza Rand & Central Rds.	Social 6:00 PM Dinner 7:00 PM Meeting 8:00 PM

COMMUNICATIONS - A LISTENING AND SPEAKING PRIMER - The Industry Applications/Industrial Electronics Society will present "Communications - A Listening and Speaking" seminar (6 hours) December 4. Unlike some lecture based programs, this seminar involves individual as well as group participation exercises, demonstrative films and panel discussions.

Topics included in this program cover a wide range of communication interests and are carefully chosen to impact on the kinds of communication problems found in industry. Topic examples include: • Listening The Art of; • Communicating Subjectivity; • Avoiding Communication Breakdown; • Managing Typical Communication Problems. At the conclusion of the seminar, the participant will leave with a wealth of information and handouts. More importantly, he or she will be able to: • Demonstrate that active listening is something that takes concentration and can be made easier if listening guidelines are followed; • Show that meanings are in people; • Show some ways of preventing communication breakdown. If you have any questions, call Ray Lacek at 485-9000, extension 6438. (See full page of particulars, including registration form, on page 3.)

VTS PRESENTING PROGRAM ON AUTOMOTIVE DISPLAY TECHNOLOGY - Mr. David J. Patterson, Supervisor, Features Engineering for the Ford Motor Company will speak on "Display Technology" at the October 18 meeting of the Vehicular Technology Society. Mr. Patterson will have several items on display. It's a very interesting topic in a very dynamic field. See Calendar of Events for meeting particulars.

DR. WOLFGANG-MARTIN BOERNER TO SPEAK AT AP/MTTS MEETING - The Antennas & Propagation/Microwave Theory & Techniques Society on October 12 will have as speaker, Dr. Wolfgang-Martin Boerner. Dr. Boerner is with the Electromagnetic Imaging Division, Communications Laboratory, College of Engineering at the University of Illinois, Chicago Circle. His topic, "Basic Polarization Theories Fundamental to Microwave Sensing."

A survey of important concepts of radar polarimetry as applied to remote sensing will be presented with relevant examples. A succinct summary of basic electromagnetic wave descriptors of the various scatterer polarization transformation matrices, the invariants of the associated optimal matrix polarizations and of the scatterer descriptive operators will be introduced. With advanced pin-diode switching technology, it is now possible to recover the complete polarimetric scattering matrix for the general "not-symmetrical" reciprocal target case within time frames which lie below the reshuffling times of the clutter scattering centers, i.e., we are now witnessing the realistic phase of incorporating complete radar polarimetric concepts into the general radar target description of remote sensing and surveillance in environmental control.

1982-83 CHICAGO SECTION ROSTER CHANGE AND ADDITION - Please make the following change in your 1982-83 Roster (underscored portion indicates change): Chicago Section Chairman, Howard Wolfman • A. B. Dick Company • 7235 Linden • Skokie, Illinois 60077 • Ofc. (312) 679-8100, extension 277.

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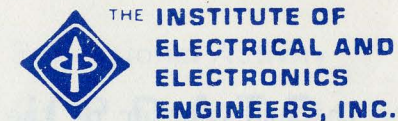
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INDUSTRY APPLICATIONS SOCIETY INDUSTRIAL ELECTRONICS SOCIETY CHICAGO CHAPTER

PRESENTS A SEMINAR ON
TECHNICAL SPEAKING AND COMMUNICATING

Saturday, December 4, 1982

GENERAL INFORMATION:

ENROLLMENT: Advance Registration before November 12, 1982 is required. Attendance will be limited. Be sure your enrollment is confirmed. Fee covers seminar, text, break refreshments, and lunch.

MEETING PLACE: The seminar will be held in the Central Laboratory Auditorium, Fermi National Accelerator Laboratory, Batavia, Illinois. A map will be provided with enrollment confirmation.

TEXT: Written text material will be provided. No proceedings will be published.

INSTRUCTORS: Mr. Ron Pilat Castings Superintendent Reynolds Metals Co. Mr. Ray Lacek Instrumentation Supervisor Reynolds Metals Co.

PROGRAM: Registration will begin at 8:00 AM. The seminar will begin at 8:30 AM. The morning session will last until 12:00 Noon with a fifteen minute break at 10:15 AM. The afternoon session will last from 1:30 PM until 4:00 PM with a fifteen minute break at 3:00 PM.

LABORATORY TOUR: A tour of the Fermilab facilities will be conducted during the luncheon break. Tour is free.

LODGING: Motel information will be sent with enrollment confirmation if requested. Contact motels directly if preferred.

REFUND: Registration fee will be returned if seminar is cancelled. Fee will be refunded in case of personal cancellation, before Nov. 27, 1982. 50% refund afterward.

Mail enrollment request with
registration fee to:
Mr. Edward Barrett
Contemporary Control Systems, Inc.
4949 Forest Avenue
Downers Grove, IL 60515

Registration Fee: (Please check one)
Student \$60
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IAS HONORS CHICAGO CHAPTER - The Chicago Chapter of the Industry Applications Society/Industrial Electronics Society (formerly Electronics & Control Instrumentation) is being named "Outstanding Chapter - Joint" for its excellent performance during 1981-82. The Certificate of Award presentation will be made October 6, 1982 during the Awards Luncheon of the IAS Annual Meeting in San Francisco.

Each year - out of the 50 IAS chapters throughout the world - one chapter from each of four award categories is recognized. Two categories include Large Chapters - Straight IAS and Large Chapters - Joint (both of over 70 members) and Small Chapters - Straight IAS and Small Chapters - Joint (both under 70 members.)

Each award is based on a system in which points are given for number of meetings held, additions in IAS membership, average attendance per meeting, holding of conferences or seminars and, communication between chapter and area chairman (including promptly filed reports on meetings, new officers and chapter activity). The Chicago Chapter bested the highly professional joint IAS/PES Chapter of New York and Long Island, a many-times winner.

"C" PROGRAMMING LANGUAGE TUTORIAL BEING PRESENTED BY THE COMPUTER SOCIETY - The "C" language is becoming the standard system programming language for the new generation of 16 bit microprocessors. "C" was developed by Bell Laboratories for internal use, but is becoming widely used by industry. "C" is a general-purpose programming language featuring economy of expression, modern control flow and data structure capabilities, and a rich set of operators and data types.

"C" is not a "very high-level" language nor a big one and is not specialized to any particular area of application. Its generality and an absence of restrictions make it more convenient and effective for many tasks than supposedly more powerful languages. "C" has been used for a wide variety of programs, including the UNIX operating system - the "C" compiler itself and essentially all UNIX applications software. The language is sufficiently expressive and efficient to have completely displaced assembly language programming on UNIX.

The date of the tutorial is October 9 from 9:30 AM to 4:00 PM at Western Electric Company, 2600 Warrenville Road in Lisle. The cost is \$30.00 for IEEE Computer Society members; \$35.00 for IEEE members; \$40.00 for non-members and \$10.00 for students. Call John North, Tutorial Chairman at 260-4692 for additional information and/or registration.

EXHIBITORS' NIGHT A SUCCESS - The Industry Applications/Industrial Electronics Society held their 3rd Annual Exhibitors' Night recently at the Hillside Holiday Inn. The affair was a success for both the exhibitors and the 100+ attendees with much interest and discussion being generated. Word was received of new ideas, inquiries and orders directly attributable to the show. It was a first class exhibition, both technically and in the booth displays. Those who attended were pleasantly surprised to find that one exhibitor was giving away two calculators. Ron Jenczewski of MSD is now the lucky winner of an NS500 printing calculator and Ray Fabijonas now owns a TI "Electronic Sliderule."



Professional Activity

UPDATE

NEW LEGISLATION - Age Discrimination. S. 2844 (August 16), by Sen. Dan Quayle (R., IN) and referred to Labor & Human Resources Committee. It proposes 1) to eliminate the upper age limitation of 70, 2) to make procedural reforms, and 3) to reinstate the tenured faculty exemption.

Science Education. S. 2809 (August 4), by Sen. Jack Schmitt (R., NM) and referred to the Commerce Committee. According to Schmitt, the bill attacks the problems of scientific literacy "by helping to improve the knowledge and skills of those professionals already teaching science and math, and by helping to examine ways of increasing the population of qualified science and math teachers." It proposes a major in-service teaching improvement program for science and math teachers to be developed in cooperation with the states. It also proposes a study to gauge the nature and pattern of the shortages of science and math teachers. The bill designates the Office of Science and Technology Policy as the responsible agency.

Science and Technology Improvement. H.R. 6930, by Rep. Margaret Heckler (R., MA) and referred to the Science & Technology Committee. It has some of the same provisions as the Schmitt bill. It also proposes to establish within NSF a Presidential science and engineering awards program for young investigators, a pre-college science and math improvement program, and a Federal effort to improve university research facilities.

POWER ENGINEERING SOCIETY PRESENTING SEMINAR ON NOVEMBER 6 - "Engineering Liability" will be presented by the Power Engineering Society in a seminar on November 6. Carson Pirie Scott & Company, the Highland Room, 8th Floor (36 South Wabash Avenue entrance), Chicago, is the locale.

The schedule is as follows: 8:00 AM - Registration; 8:30 - Opening Remarks, Thomas A. Martin, Nutech, Vice Chairman, Power Engineering Society, Chicago Section; 8:45 - "Legal Responsibility of an Engineer," Bruce H. Schoumacher, Partner, McDermott, Will & Emery; 9:30 Break/Coffee & Rolls; 9:45 "Forms of Organization-Incorporation; Partnerships; Sole Proprietorships & Joint Ventures," R. Andrew Duncan, Partner, McDermott, Will & Emery; 10:30 - "Insurance Policies & the Design Professional," Albert W. Voirin, President, A.V.A. Insurance Agency, Inc.; 11:15 - "Contract Language & the Professional Services Agreement," Bruce H. Schoumacher; 12 noon - Lunch/Hot Meal; 1:00 PM - "Claims-Examples," John Keith, Assistant Vice President, Design Professionals Financial Corporation; 1:45 - "Legal Procedures During a Claim," Gerard B. Gallagher, Partner, Conklin & Adler Ltd. (Oak Brook); 2:30 - Break; 2:45 - "Protection from Legal Proceedings," Steve Marcus, Partner, Clausen, Miller, Gorman, Caffrey & Witius, P.C.; 3:30 - "Arbitration," Bruce H. Schoumacher; 4:00 - Adjournment.

ADVANCE REGISTRATION

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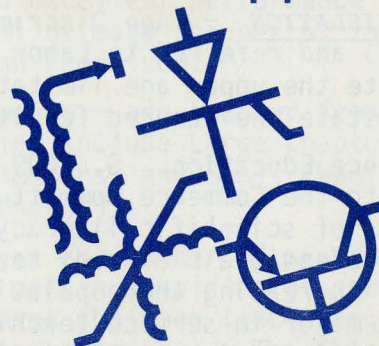
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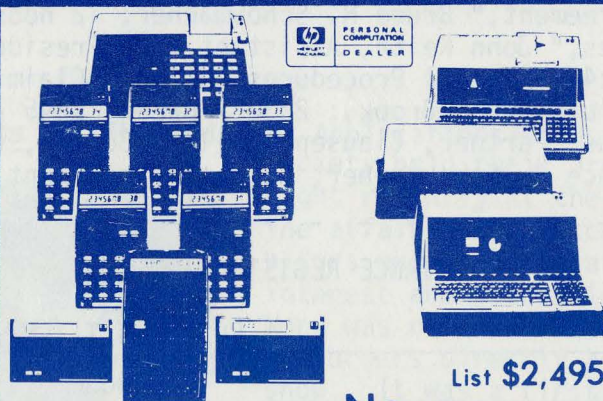
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