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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.

SEPT. 8	"Design, Certifi. & Appl. of Energy Efficient Motors"	Indus. Appls./In- dustl. Electronics & Control Instr.Soc.	Nielsen's Village 7330 W. North Ave. Elmwood Park	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
14	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	Brown & Root Offices 701 E. 22nd St. Lombard	Meeting	7:30 PM
15	"Robotic Vehicles"	Northwest Sub.	Mr. Peters Banquets 1018 Mt.Prospect Plaza Rand & Central Rds.	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
15	To be determined	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm.2, 8th Fl.	Social Lunch Meeting	11:30 AM 12:00 PM 12:30 PM
20	"Future Ground Transportation Systems"	Vehicular Tech. Soc. (For reser., Jerry Underwood, 576-2747)	Mr. Peters Banquets 1018 Mt.Prospect Plaza Rand & Central Rds.	Social Dinner Meeting	6:00 PM 6:45 PM 7:30 PM
22	"Digital Transmission of Speech"	Communications Soc.	Wilton Manor Geneva & Main St. Wheaton	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
29	"UNIX - The Opera- ting System of the Eighties"	Fox Valley Sub.	Wilton Manor Geneva & Main St. Wheaton	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
OCT.4-6	Natl. Communica. Forum-Natl. Elec- tncs. Conf./82	Natl. Engineering Consortium, Inc. (See ad on pg. 5)	Marriott Oak Brook 1401 W. 22nd St. Oak Brook	(For infor., 325-5700)	
12	"Basic Polarization Theories Funda. to Micro.Remote Sens."	Antennas & Prop./ Microwave Theory & Techniques Soc.	Louis Restaurant 351 E. Lake St. Addison	Social Dinner Meeting	5:30 PM 6:30 PM 7:30 PM
12	Monthly Meeting	IEEE Executive Cte.	(See Sept. 14 listing for mtg.loc.& time)		
13	"CAD/CAM Draft. ..."	IAS/IECI	(See Sept. 8 listing for mtg.loc.& time)		
18	"Display Tech. ..."	Vehicular Tech. Soc.	(See Sept. 20 listing for mtg.loc.& time)		
20	"Prospects for Pension & Retire- ment Legislation"	Fox Val. Sub./ASME (See art. on pg. 5 w/regard to reser.)	Retso's Restaurant 8025 S. Cass Ave. Darien	Social Dinner Meeting	5:30 PM 6:30 PM 8:00 PM
27	To be determined	Fox Valley Sub.	To be determined		

Chicago Section outgoing Chairman Dennis Lamont (center), hands gavel to newly elected Chairman Howard Wolfman as they are joined by members of the Executive Committee. Vice Chairman Bill Everson stands between them, while to the left are Treasurer George Thomas and Secretary Hank Korman. Bob Scheman (second from left), was elected Treasurer but resigned because he's moving to Kansas City.



MILFORD DOERR SPEAKER AT IAS/IECI OPENING MEETING - "High Efficiency Electric Motors" will be the topic at the Industry Applications/Industrial Electronics & Control Instrumentation Society meeting on September 8. High efficiency electric motors for industrial applications must be designed to maximize efficiency when used in many different applications within the plant. While the application of these motors is usually left to the purchaser, it is important to know the reliability of the efficiency claims made by various manufacturers.

Milford Doerr is Assistant Regional Manager for Gould, Inc./Electric Motor Division. He will discuss the design criteria for E-plus motors, the development of NEMA efficiency standards and the certification procedures for the E-plus motor line. Case studies illustrating the savings over standard performance motors will be presented and discussed. Dinner cost is \$11.00 for members, \$12.00 for non-members and student members \$1.00. There is no charge for meeting attendance. Those attending dinner will receive two complimentary refreshments. Reservations should be made by September 3. See Calendar of Events for meeting location and time.

NORTHWEST TO PRESENT TALK ON GUIDED CONTROL VEHICLE SYSTEMS - The Northwest Subsection will kick off the new season on September 15 with a talk about guided control vehicle systems. Guest speaker will be John Peterson, Vice President of Engineering for Barrett Electronic Systems. His topic "Robotic Vehicles" will be a review of the state-of-the-art for automated material handling vehicles and interfacing with remote control systems. His presentation will include a description of the techniques used for remote data communication between system directors and the vehicles.

"DIGITAL TRANSMISSION OF SPEECH" AT COMMUNICATIONS MEETING - Dr. James L. Melsa, Chairman of the Electrical Engineering Department at the University of Notre Dame and Director of the Advance Development Laboratory at Tellabs Inc., will speak on "Digital Transmission of Speech" at a dinner meeting on September 22 sponsored by the Communications Society.

With the decreasing cost, size, and power consumption and the increasing speed of digital electronics, there has been a growing utilization of digital techniques in telephony applications. In particular, robust methods for encoding and transmission of voice signals at bit rates lower than the currently employed 64,000 bits per second have been of interest. Dr. Melsa's talk will describe some new methods developed at Notre Dame; tape recorded demonstrations will be used to illustrate the methods. For more information about the talk, call Rod Ragland at 969-8800, extension 321.

FOX VALLEY PRESENTING UNIX SYSTEM - The Fox Valley Subsection is kicking off its 1982-83 program on September 29 with a presentation by Watson Lawrence of Bell Laboratories on "UNIX - the Operating System of the Eighties." It has been estimated that UNIX related data processing expenditures will exceed five billion dollars by 1984 and possibly nine billion dollars by 1986. What is the UNIX operating system and what are the unique attributes which prompt forecasts of such widespread application? For the answers, plan to attend the first meeting and help launch another successful year for Fox Valley.

Watson A. Lawrence received his B.S. degree in physics from Monmouth College and has worked for Bell Laboratories since 1951. He has worked in network controller circuit design and holds one patent in this area. Mr. Lawrence has been involved in system support software design and in the administration and teaching of employee training courses in the UNIX operating system and the "C" programming language. Plan to attend - and bring a friend! Reservation deadline is September 27.

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UPDATE

HOUSE HEARINGS SET ON PATENT RIGHTS FOR EMPLOYED INVENTORS - The Patent Task Force moves to center stage next week when a House Judiciary subcommittee holds hearings on a bill to set federal standards for employee pre-invention assignment agreements. The bill (H.R. 4732) is the employed inventors' bill-of-rights sponsored by Rep. Robert Kastenmeier who chairs the subcommittee on Courts & Civil Liberties and the Administration of Justice. Two other members, Reps. Jack Brooks and Barney Frank are co-sponsors.

IEEE will be represented at the hearing - scheduled for July 29 - by the Chairman of the Patent Task Force, Robert Frank. Enactment of the legislation, his draft statement says, will help provide an increased incentive for employed engineers to invent, bring new products to market and enhance the economy. Enactment will also remove the constraints imposed by unduly restrictive pre-invention assignment agreements, an essential step in halting the decline of innovation relative to that of other industrialized countries.

NATIONAL COMMUNICATIONS FORUM

NATIONAL ELECTRONICS CONFERENCE

NCF/82
OCTOBER
4, 5, 6
NEC/82

The 1982 National Communications Forum/National Electronics Conference will be held at the Marriott Oak Brook Hotel on October 4-5-6. The electronic and telecommunications engineering program will feature 20 New Technology Seminars covering a wide range of subjects of current interest to the practicing engineer and manager. A concurrent Technical Paper Program will complement the New Technology Seminar subjects. NCF/NEC provides for interaction with experts in the communications and electronics fields. It is more important than ever for technical professionals to remain informed of the latest developments in the art of electronics.

A highlight of the Conference will be an address by featured October 4 NCF communications industry dinner guest speaker, Charles Marshall, Executive Vice President of AT&T. He is responsible for Bell System activities for prospectively deregulated and detariffed markets including the newly formed subsidiary American Bell Inc.

NEW TECHNOLOGY SEMINARS - (4th) Basics of Telephony; Topics on Long Distance Optical Fiber Communication; Managing Large Software Projects; Controlling Electromagnetic Interference; Basics of Digital Switching; Software Engineering for Real Time Systems; Subscriber Electronics • (5th) Trends in Digital Telecommunications Switching; Videotex; Engineering Economics in the Communications Industry; Taking the Mystery out of Microprocessors; International Communications Opportunities; Firmware: Designing to Minimize Manufacturing Costs; Speech Recognition/Voice Synthesis • (6th) Current International Switching and Signalling Issues at CCITT; Cellular Mobile Radio; Technological Advances in Electronics Circuit Packaging; Local Area Data Networks (LADN); Engineers' Workbench; Improving Productivity and Quality via Automatic Test Equipment (ATE).

For further information, write or call: **NATIONAL ENGINEERING CONSORTIUM, INC.**

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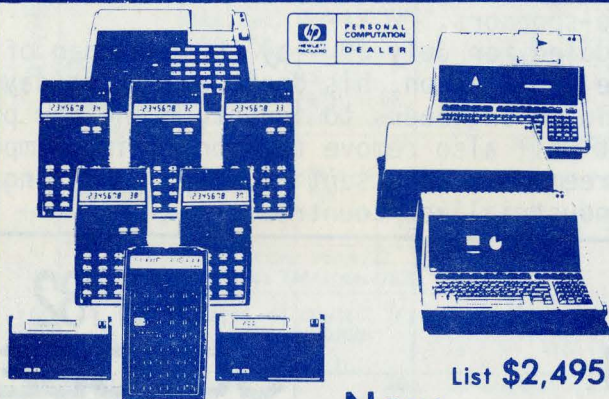
-adv-

SPECIAL MEETING OF VITAL INTEREST TO ALL ENGINEERS - Through the joint efforts of four suburban engineering societies, IEEE has been able to schedule a unique program on a topic of vital interest to all engineers. On October 20, the Honorable John M. Erlenborn, veteran Congressional Representative from the 14th District will give an up-to-date picture of the view of the pension reform situation from the Capitol. Attendance is limited and the four participating societies - Fox Valley Subsection, ASME, Chicago Western Section of ASM and Salt Creek Chapter of ISPE - in addition to IEEE, will be vying for the limited seating. Mail reservations are mandatory and will be handled on a strictly first-come/first served basis. You are urged to reserve as quickly as possible! Send reservations to: Marian Plocki • 1041 W. Ogden Avenue • Apartment 130 • Naperville, Illinois 60540.

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAT		MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SAT
						SUN							SUN
			SEPT. 1	2	3	4		31	FEB. 1	2	3	4	5
						5							6
SEPTEMBER 1982	6	7	IAS/IECI (E) "Energy Efficient Motors"	9	10	11		7	(E) Chgo. Sec. Exec. Mtg.	IAS/IECI (E) PES (L)	10	11	12
	Labor Day					12						Lincoln's B'y PES/FVSS	13
	13	(E) Chgo. Sec. Exec. Mtg.	NWSS (E) "Robotic Veh."	16	17	18		14	15	16	17	18	19
	VTS (E) "Future Ground Transp. Sys."	21	CS (E) "Digi. Trans. of Speech"	23	24	25		Valentine's Day		Ash Wednesday			20
	27	28	29	30	OCT. 1	2		21	22	23	24	25	26
	Yom Kippur		FVSS (E) "UNIX"			3		Washington's Birthday					27
	4	5	6	7	8	9		28	MARCH 1	2	3	4	5
													6
								7	(E) Chgo. Sec. Exec. Mtg.	IAS/IECI (E) PES (L)	10	11	12
OCTOBER 1982			National Communications Forum/82 National Electronics Conference/82			10		14	15	16	17	18	19
	11	AP/MTTS (E) Chgo. Sec. Exec. Mtg.	IAS/IECI (E) "CAD/CAM"	14	15	16			NWSS/EDS (E)	St. Patrick's Day			20
	Columbus Day	19	PES (L)	20	21	22			Electric Association's Electri '83				21
	VTS (E) "Display Tech. for Instrument. Products"	25	FVSS/ASME (E)	28	29	30		21	22	23	24	25	26
		26	27						CS (E)			Palm Sunday APR. 1	27
			FVSS (E)			31		28	29	30	31	Good Friday	2
	NOV. 1	2	3	4	5	6		Passover (First Day)	FVSS (E)			Easter	3
	Election Day							4	5	6	7	8	9
			Foundations of Computer Science										10
NOVEMBER 1982	8	(E) Chgo. Sec. Exec. Mtg.	IAS/IECI (E) PES (L)	Veterans Day	12	13		11	(E) Chgo. Sec. Exec. Mtg.	IAS/IECI (E) PES (L)	14	15	16
	15	16	FVSS (E) NWSS (E)	18	19	20		18	PES Workshop		21	22	23
						21			American Power Conference			Mid. Acous. Conf.	24
	22	23	24	25	26	27		25	26	27	28	29	30
			CS (E)	Thanksgiving Day						FVSS (E)			MAY 1
	29	30	DEC. 1	2	3	4		2	3	4	5	6	7
			CS (E) Consult. Sem.									IAS/IECI Tour	8
	6	7	8	9	10	11		9	(E) Chgo. Sec. Exec. Mtg.	PES (L)	12	13	14
			PES (L)									FVSS Tour	15
DECEMBER 1982	13	(E) Chgo. Sec. Exec. Mtg.	15	16	17	18		16	17	18	19	20	21
									CS (E) NWSS (E)			PES Tour	22
	20	21	22	23	24	25		23	24	25	26	27	28
										FVSS (E)			29
	27	28	29	30	31	1		30	31	JUNE 1	2	3	4
								Memorial Day					5
	3	4	5	6	7	8		6	7	8	9	10	11
													12
JANUARY 1983	10	(E) Chgo. Sec. Exec. Mtg.	IAS/IECI (E) PES (L)	13	14	15		13	Chgo. Sec. Exec. Mtg.	15	16	17	18
									Flag Day			Father's Day	19
	17	18	19	20	21	22		20	21	22	23	24	25
			NWSS (E)										26
	24	25	26	27	28	29		27	28	29	30	July 22 Chgo. Sec. Exec. Mtg. Aug. 9 Chgo. Sec. Exec. Mtg.	
			CS (E) FVSS/PES (E)			30							

Abbreviations: AP/MTTS Antennas & Propagation/Microwave Theory & Techniques Society
CS Communications Society
EDS Electron Devices Society
FVSS Fox Valley Subsection
IAS/IECI Industry Applications/Industrial Electronics & Control Instrumentation Society
NWSS Northwest Subsection
PES Power Engineering Society
VTS Vehicular Technology Society

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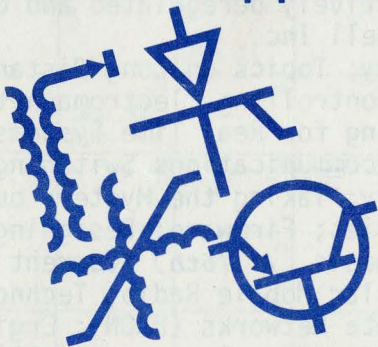
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