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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.

1981

JAN.	1	HAPPY NEW YEAR!				
	7	"Adjustable Speed Drives"	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
	13	Monthly Meeting	IEEE Executive Cte.	Brown & Root Offices 701 E. 22nd St. Lombard	Meeting	7:30 PM
	14	"Operation & Control of Nuclear Power Stations"	Indus. Appls. Soc. & Control Instrumenta. (j/w Instr.Soc.Amer.)	Nielsen's Village 7330 W. North Ave. Elmwood Park	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
	21	"Radar & Radar Detectors"	Northwest Sub. (j/w Power Engrng. Soc. & West. Soc. of Engrs.)	Mr. Peters Banquets 1018 Mt.Prospect Plaza Rand & Central Rds.	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
	26-27	Seminar - "Communication For Action"	Fox Valley Sub.	Elmhurst Inn 933 Riverside Dr. Elmhurst	8:00 AM - 5:00 PM (For infor., Ed Barrett, 963-7070)	
FEB.	10	Monthly Meeting	IEEE Executive Cte.	Brown & Root Offices	Meeting	7:30 PM
	10	"Surface Acoustic Wave Signal Proces. in a Digital Age"		Gould Inc. 30 Gould Ctr.,2nd Fl. Rolling Meadows	Program	3:30 PM
	11	"Co-Generation"	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
	15	Valentine's Day Party	Power Engrng. Soc. (j/w Fox Valley Sub.)	Drury Lane South 2500 W. 95th St. Evergreen Park	Dn.4:30-Play 7 (For infor., Doug Smith, 261-2400)	PM
	25	"Fiber Optics"	Fox Valley Sub.	Elmhurst Inn 933 Riverside Dr. Elmhurst	Social Dinner Meeting	6:00 PM 7:00 PM 8:00 PM
	26	"Software Relia."	Reli.S.(j/w Compu.S.)	To be determined		
	26	Seminar-Response Surf.Methodology	(See article & ad on back page)			

FOX VALLEY SUBSECTION SPONSORING SEMINAR ON JANUARY 26-27

The Fox Valley Subsection is sponsoring a seminar "Communication for Action: The Art of Executing Ideas Before They Die" on January 26-27. The program is designed for any engineer, group leader or manager who is interested in seeing innovative ideas implemented effectively and quickly. The skills taught in this seminar will help you to get others to understand, appreciate and cooperate in the implementation of new ideas. It can mean increased effectiveness and efficiency for your company. It can also mean a more efficient utilization of engineering talent and a greater return on time invested in developing innovative ideas and plans. See Calendar of Events for location and time.

IEEE STUDENT CHAPTER AT IIT BLOOMS WITH ACTIVITIES

The Illinois Institute of Technology (IIT) Student Chapter of the IEEE is alive and well and living on the south side of Chicago. Guided by their Faculty Advisor, Dr. Joseph LoCicero and President-Elect, John Swan, the IIT EE Chapter reorganized in early September recruiting new members and electing new officers. The Executive Committee consisting of John Swan, President; Philip McBride, Vice President; Philip Videckis, Secretary; and Eugene Neuliep, Treasurer initiated the term's activities by inviting Dr. Vincent Tekippe of Gould Inc., Rolling Meadows to talk on the basic theory and applications of Fiber Optics at their September 30 meeting. The first social event of the term was a 12 mile canoe trip down the Kankakee River on October 25. Despite two wet canoers, the trip went off well.

November was the Chapter's most active month starting with a presentation on November 6 by Dr. Daniel Graupe of the EE Department at IIT billed as "The Bionic Arm." Dr. Graupe gave a lecture on the control of a prosthetic arm and showed a film on the use of the arm which he developed for amputees. On November 11, Dr. Erber of the Physics Department, IIT, addressed the group on the potentials of Mega-Gauss High Energy Physics. Finally, an extremely popular tour was conducted at Bell Labs., Indian Hill site in Naperville. Bell provided an introductory slide presentation, lunch, technical tour, and a question/answer period. Future activities of the Chapter include a speaker from INTEL on December 2, a speaker from General Dynamics, more plant tours, skiing in the winter, and rafting in the spring.

The Chapter would like to solicit suggestions, speakers and ideas from the professional membership in the Chicagoland area. Responses to this solicitation can be directed to Dr. Joseph LoCicero, EE Department, IIT, Chicago 60616, or via phone at 567-3408.

"BUT OFFICER, I WAS WITHIN THE SPEED LIMIT"

Mr. Robert Hay, President of Radar Scan Corporation will be guest speaker at the January 21 meeting of the Northwest Subsection. The talk will cover radar detectors and radar units along with other speed monitoring devices. Mr. Hay will discuss range, accuracy and method of operation for both detectors and monitoring devices. See Calendar of Events for meeting location and time.

HAVE A HEART

Guarantee a warm spot in your lady's heart by making reservations now for the annual Valentine's Day Party co-sponsored by the Power Engineering Society and Fox Valley Subsection on Sunday, February 15 at Drury Lane South in Evergreen Park.

"The Man With the Plastic Sandwich" starring Frank Gorshin is the theatre fare. Dinner, 4:30 P.M. and the play, 7:00 P.M. The cost of \$14.50 covers dinner and theatre (tax and gratuity included). Individual tables will be available. Reservations should be directed to Doug Smith, c/o Square D Company, 1107 Mannheim Road, Westchester 60153, (261-2400). Make checks payable to the Power Engineering Society, Chicago Chapter. Deadline for reservations is January 16 so hurry because there are a limited number of tickets available.

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Professional Activity

UPDATE

STATE LEGISLATIVE INTENT vs. STATE AGENCIES RULES

The Illinois House of Representatives, Wednesday, November 19, 1980 overrode the Governor's veto of HB 2351 sponsored in the House by Representative Thomas W. Ewing (R-Pontiac), and in the Senate by Senator Prescott E. Bloom (R-Peoria). The veto on the override was 144-24; 107 votes needed to override. At this writing, the Illinois Senate has yet to be considering the override of this bill.

As passed, HB 2351 provides the Joint Committee on Administrative Rules (JCAR) with the ability to overrule any state agency that instigates rules contrary to the legislative intent of the General Assembly. I am sure that you are aware of specific instances wherein a rule promulgated by a state agency, and having no legislative action, adversely impacted on your business. This bill would put an end to that type of activity. You should point out such instances to your Senators.

GOULD INC. HOSTING IEEE SONICS AND ULTRASONICS GROUP NATIONAL LECTURER PROGRAM

"Surface Acoustic Wave Signal Processing in a Digital Age" will be presented on February 10, 3:30 P.M. at Gould Inc. in Rolling Meadows. Speaker will be Dr. Richard C. Williamson of the Lincoln Laboratory, Massachusetts Institute of Technology.

Advances in surface acoustic wave (SAW) device technology occurring over the last decade have yielded a variety of components which provide efficient means for processing wide-bandwidth signals. As a result, SAW devices are becoming widely used in communications, radar and signal-analysis equipment. At the same time, advances in digital technology continue at an impressive rate and now almost every electronic system has a mix of analog and digital components. The operation of wide-bandwidth SAW signal processors including pulse compressors convolvers and chirp-transform units will be reviewed. The critical issues of processing flexibility of analog/digital interfaces and of matching the bandwidth and coherence time of SAW devices to incoming signals will be addressed.

Directions to Gould: exit Northwest Tollway (I-90) at Arlington Heights Road North. Turn left on Algonquin Road (62) and proceed to next major intersection (Golf Road-58). Turn left. Gould Center is on right just after Tollway overpass. For additional information, contact Bill Merritt at Gould, 640-4464.

EXHIBITORS NIGHT

FEBRUARY 11, 1981

5:00 PM TO 9:00 PM

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FOR FURTHER INFORMATION REGARDING EXHIBITORS SPACE OR ATTENDANCE, PLEASE CONTACT GEORGE THOMAS AT 963-7070

Response Surface Methodology (RSM) is a powerful tool in assisting scientists to more effectively model studies of interactions among multiple variables. Experimental design and optimization using RSM is the topic of three one-day seminars to be sponsored by Foremost-McKesson, Inc. early in 1981.

The seminar will describe the principles and applications of the RSM system. This system is an easy to use interactive computer software program available through General Electric Information Services Company (GEISCO). Each participant will see how variables affect responses, the interrelationships among variables, the combined effect of variables on responses, and the ability of the program to reveal non-linear relationships. GEISCO will provide their classroom facilities complete with several terminals to the seminar participants who will have an opportunity for "hands on" experience using RSM. This program provides special experimental designs, calculates second order "models" from the data and then optimizes results. At the conclusion of the seminar, each participant will know how to design, implement, analyze, and interpret RSM experiments. The seminars will be limited to 25 each. (See ad, bottom right for information contact.)

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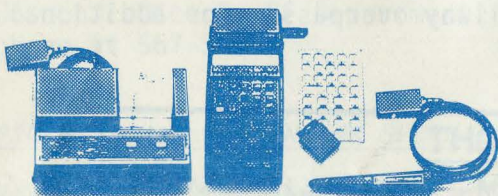
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One Day Seminars

January 15, 1981 Los Angeles
February 24, 1981 Atlanta
February 26, 1981 Chicago

Fee: \$175

For Further Information
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