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CALENDAR OF EVENTS

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

NOV.	1	"Electronics in Railroading"	Fox Valley Sub. (j w/Vehicular Technology Grp.)	Branding Iron Rest. 3131 Finley Rd. Downers Grove	Dinner 7:00 PM Meeting 8:00 PM
	6-7	8th Annual Chicago Fall Conference on Consumer Electronics	IEEE Chgo. Sect. (contact Robt. Podowski, 391-7408)	Ramada O'Hare Inn 6600 N. Mannheim Rd. Des Plaines	9:30 AM-2:30 PM
	8	Professional Registration Debate	Indus. Appls. Soc. & Indus'l Electron. Control Instrumen.	Nielsen's Village 7330 W. North Ave. Elmwood Park	Social 5:30 PM Dinner 6:15 PM Meeting 7:15 PM
	8	Tour of Joslyn Mfg. & Supply Company, Research & Develop. Div.	Northwest Sub.	1525 Lake Ave. Woodstock	7:00 PM
	11	Tour of RTE-ASEA Transformer Plant	Power Engrng. Soc. (j w/Indus. Appls. Soc.)	Waukesha, Wis.	Morning
	11	Reliability Tech. - 3rd Annual Tutorial Seminar	Reliability Grp.	GTE Auto. Elec. Labs. 400 N. Wolf Rd. Northlake	8:30 AM-12:30 PM
	13-16	COMPSAC '78 - Computer Software & Appls. Conference	Computer Soc.	The Palmer House State & Monroe Sts. Chicago	14th, 15th-8:30 AM to 10:00 PM/16th-8:30 AM to 3:00 PM
	14	Monthly Meeting - ALL WELCOME	IEEE Exec. Cte.	Brown & Root Offices 2001 Spring Rd. Oak Brook	Meeting 7:30 PM
	14-15	The "E" Show	For details call 297-1000	O'Hare Expo. Ctr. Rosemont	CANCELLED
	21	"Surface Acoustical Wave Transmission & Reception"	Antennas & Propaga. Soc. & Microwave Theory & Tech. Soc.	Black Steer Rest. 6446 W. North Ave. Chicago	Social 5:30 PM Dinner 6:30 PM Meeting 7:30 PM
DEC.	6	"Super Conducting Magnets & Energy Conservation"	Fox Valley Sub.	Elmhurst Inn 933 S. Rt. 83 Elmhurst	Dinner 7:00 PM Meeting 8:00 PM
	7	"Unitized Combination Starters"	Indus. Appls. Soc. (j w/Power Engineering Soc.)	Stouffer's Rest. 32 E. Randolph St. Chicago	Social 11:15 AM Lunch 11:45 AM Program follows
	12	Monthly Meeting - ALL WELCOME	IEEE Exec. Cte.	Brown & Root Offices 2001 Spring Rd. Oak Brook	Meeting 7:30 PM

The 29th IEEE Vehicular Technology Conference will be held at the Arlington Park Hilton located at Euclid Avenue and Rohlwing Road in Arlington Heights on March 27-30, 1979.

At this time, in particular, informal papers are invited. The category of informal papers is for papers of a less formal nature covering partial results and important work in progress. The full paper will not be required and only the summaries will be published. Informal papers are invited on all topics of interest to the VTS (not necessarily those limited to communications). The material should be new and previously unpublished.

Deadline for submission of 500-word informal paper abstracts is December 15, 1978. Abstracts should be submitted to: W. Rae Young, Technical Program Chairman, c/o Bell Laboratories, Room 3G-609, Crawfords Corner Road in Holmdel, New Jersey 07733.

For further information, contact Arrangements Chairman, Dick Schnedorf, Federal Communications Commission, 1550 Northwest Highway, Room 312, Park Ridge 60068, (298-7345).

NORTHWEST SUBSECTION TO REPEAT TOUR OF JOSLYN

The Northwest Subsection is repeating a visit of a 1972 tour of Joslyn High Voltage Laboratory in Woodstock that proved to be so interesting that a request was made for a return. The tour will be held on Wednesday — November 8, 1978 of the Research Center to see a live demonstration of the testing being done by high voltage equipment. The Center is devoted to research into processes, materials, systems and equipment necessary for the distribution and transmission of electrical energy; it consists of a 25,000 sq. ft. Research Building and an 18,000 sq. ft. High Voltage Lab. Equipment in the laboratory includes a three million volt Impulse and Switching Center Generator, a 1050KV 60 Hz Test Set, a 1.5 million DC Test Set, a Cell for Wet and Contamination Tests and an Outdoor Test Area. A few exciting high voltage demonstrations will be included as a part of the tour. Host will be Ron H. Huber, Vice President of Research.

Bus transportation will be provided together with a box lunch. The buses will leave Randhurst Shopping Center (near the recycle station) at 7:00 PM sharp. Due to the bus and food arrangements, it is necessary to have your reservations in by the October 31 cutoff. Reservations are a must. The cost for bus and box lunch is \$6.50. For further information call Bob Scheman, Northwest Subsection Chairman at 855-8696; for reservations, 236-4609.

APS/MTTS PRESENTING "SURFACE ACOUSTIC WAVES"

A description of the nature of surface waves will be presented with emphasis on the useful peculiarities on Tuesday — November 21, 1978 by the Antennas and Propagation/Microwave Theory and Techniques Societies. The present directions in research and production devices will be discussed along with the advantages and disadvantages of the devices compared with their competition. New functions performed by surface waves conclude the presentation.

Speaker will be Ron Vogel, Ph.D., Assistant Professor at Northern Illinois University in DeKalb. His graduate research was directed toward SH-mode piezoelectric surface waves and has several publications on this subject. Since then, he has done consulting work for several companies on surface wave devices. While teaching at NIU, he has conducted research on several aspects of surface waves with the goal of improving present devices.

The meeting will be held at the Black Steer Restaurant, 6446 West North Avenue, Chicago. Social 5:30 PM, dinner 6:30 PM and meeting 7:30 PM. For reservations, call 236-4609.

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Tom Traub, Managing Editor
Commonwealth Edison Company
(312) 294-2703
Ed Osterberg, Editor
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The 8th Annual Chicago Fall Conference on Consumer Electronics will be held November 6-7 at the Ramada O'Hare Inn located at 6600 North Mannheim Road in Des Plaines. On Monday, November 6 the Consumer Awards Luncheon will be held at 12:15 PM and that same day in the evening at 6:00 PM there will be a cocktail hour (admission by registration badge only) sponsored by M. Gottlieb Associates, Inc.

Session I: Signal Processing — Chairman M. Palladino, General Electric Company; Session II: Display Devices — Chairman D. Say, GTE Sylvania, Inc.; Session III: Microprocessor Applications — Chairman T. Rzeszewski, Quasar Electronics Company; Session IV: Consumer Electronics — Chairman J. Bowler, Zenith Radio Corporation.

Your participation is also invited in a three-day "Microprocessor Programming Workshop with an optional 'Take-Home' Microprocessor and Power Supply." It will begin on Tuesday, November 7 through Thursday, the 9th from 8:00 AM to 7:00 PM. (November 7 from 1:00 PM.)

For further details, contact Conference Chairman, Robert Podowski of Zenith Radio Corporation at 391-7408. The Workshop Chairman is Robert Rockwell, also of Zenith, at 391-7678.

COMPSAC '78

COMPSAC '78, the IEEE Computer Society's 2nd International Computer Software & Applications Conference will be held November 13-16, 1978 at The Palmer House, State and Monroe Streets in Chicago. Tutorials will be held on November 13 and COMPSAC November 14-16.

The tutorials start at 9:00 AM on Monday, November 13. There will be a choice of three pre-conference tutorials: Software Engineering — This tutorial will assess the current status of software development methodology, including the techniques available for each developmental phase; Distributed Data-Base Management — It will provide a survey of the latest technology and approaches to various aspects of distributed data-base management; Microcomputer Support Software — This tutorial will survey microcomputer applications, programming practices, software tools, programming languages and cost/performance tradeoffs in microcomputer programming. A hands-on laboratory demonstration is scheduled in the evening.

COMPSAC Proceedings: Includes over 150 papers on software generation methodology and applications. Among the topics covered in the 49 conference sessions are software design, testing, reliability and standards; data-base design; and security and privacy.



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Four definitive publications from
the IEEE Computer Society's Second International
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compsac 78
The Palmer House/Chicago, Illinois



THREE TUTORIALS

Software Methodology

An assessment of software development methodology and the techniques available for each developmental phase, this tutorial includes an overview, sections on modeling, design, and implementation, and a series of case studies. Presented by C. V. Ramamoorthy of UC Berkeley and Raymond T. Yeh of the University of Texas at Austin. (Catalog Number 211; 350 pp.) Price: Members, \$12.00; non-members, \$16.00

Distributed Data-Base Management

This tutorial presents an overview of both relational and distributed data-base management systems and covers approaches to distributed query processing, concurrency control, and data-base reliability. Presented by James B. Rothnie, Jr., Philip A. Bernstein, and David W. Shipman of the Computer Corporation of America. (Catalog Number 212; 260 pp.) Price: Members, \$10.50; non-members, \$14.00

Microcomputer Programming and Software Support

Microcomputer applications, programming practices, software tools, programming languages, and cost/performance tradeoffs in microcomputer programming are surveyed by Imsong Lee, founder and president of Digital Electronics Corp. and professor of electrical engineering at UC Berkeley. (Catalog Number 213) Price: Members, \$9.00; non-members, \$12.00

COMPSAC 78 PROCEEDINGS

Includes over 150 papers on software generation methodology and applications. Among the topics covered in the 49 conference sessions are software design, testing, reliability, and standards; data-base design; and security and privacy. (Catalog Number 196) Price: Members, \$22.50; non-members, \$30.00

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RELIABILITY TECHNIQUES

3rd ANNUAL TUTORIAL SEMINAR

A half day seminar on IC Memory Reliability will be presented by the IEEE Reliability Group, Chicago Chapter.

Saturday, November 11, 1978

Location: GTE Automatic Electric Laboratories
400 N. Wolf Road
Northlake, Illinois 60164

8:30 AM - 12:30 PM

PROGRAM

1. "Fault Tolerant Memory Design" will be presented by Mr. Walter T. Hartwell, Supervisor of the New Services Studies Group, Bell Telephone Laboratories, Naperville, Illinois. Mr. Hartwell will discuss the automatic repair of multiple faults without loss of error detection, memory MTTF as a function of device failure rates, and a memory device failure model.
2. "Design Test Considerations for IC Memory Devices" will be presented by Mr. Joseph E. Meschi and Mr. Bruce A. Oltman of the Memory Techniques Development Group, GTE Automatic Electric Laboratories, Northlake, Illinois. They will discuss developmental testing for vendor-designer interface, in-system operational and maintenance testing, and testing technology for production.
3. "Memory IC Device Testing, Screening, and Burn-In" will be presented by Mr. Steve Kenneavy, General Manager of the DCA Reliability Laboratory Inc., Wood Dale, Illinois. Mr. Kenneavy will discuss the cost effectiveness of preconditioning, utilization of testing firms, testing methodology, and device failure rates.
4. A speakers panel question and answer session will be moderated by Mr. Henry A. Malec, GTE Automatic Electric Laboratories. For additional information on the above program, call Henry Malec at 312-681-7100 Ext. 4511.

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