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CALENDAR OF EVENTS

*For reservations call the IEEE office at 236-4609 (unless otherwise indicated).
Mark your Scanfax calendar. Copy deadline: First day of the previous month.*

October

- 5 Fox V. Sub. — Louis Place, 351 E. Lake St., Addison; dinner 7:00 PM, meeting 8:00 PM. Subject: "Earth Resources Technology Satellites."
- 6 Relia. Grp. — UL Laboratories, Inc., 333 Pfingsten, Northbrook; 10:30-11:30 AM. Lunch (optional) at a nearby restaurant. Tour.
- 10-12 Annual National Electronics Conference & National Communications Forum — Hyatt Regency O'Hare.
- 11 APS/MTTG (co-sponsored by PG-EMC) — Black Steer Rest., 6446 W. North Ave., Chicago; social hour 6:00 PM, dinner 7:00 PM, meeting 8:00 PM. Subject: "Electromagnetic Pulse (EMP) Simulators: An Interim Categorization."
- 11 IEEE Executive Committee — Brown & Root offices, 2001 Spring Rd., Oak Brook; 7:30 PM. Monthly meeting — ALL WELCOME.
- 12 IAS/IECI — Nielsen's Village, 7330 W. North Ave., Elmwood Park; cocktails 5:30 PM, dinner 6:15 PM, meeting 7:15 PM. Subject: "Electrical Systems."
- 19 PES — Stouffer Rest., 32 E. Randolph St., Chicago; cocktails 11:15 AM, lunch 11:45 AM, program follows. Subject: "Current Developments in SF₆ Substations."

November

- 2 Fox V. Sub. (j w/VT Grp. & SAE) — Branding Iron, 3131 Finley, Downers Grove; dinner 7:00 PM, meeting 8:00 PM. Subject: "Automotive Electronics."
- 8 IEEE Executive Committee — Brown & Root offices, 2001 Spring Rd., Oak Brook; 7:30 PM. Monthly meeting — ALL WELCOME.
- 8-10 Co-sponsored by regional elements of the IEEE & Electronic Reps. Assn. — O'Hare Intl. Convention Ctr. & Hyatt Regency O'Hare Hotel. Event: MIDCON.
- 8-11 Sponsored by the Computer Soc. — Sheraton-O'Hare Hotel. Event: COMPSAC '77.
- 9 IAS/IECI (j w/PES) — Nielsen's Village, 7330 W. North Ave., Elmwood Park; cocktails 5:30 PM, dinner 6:15 PM, meeting 7:15 PM. Subject: "Consumer Appliances." Ladies' Nite.
- 12 Relia. Grp. — GTE Automatic Electric Labs., 400 N. Wolf Rd., Northlake; 8:30 AM-1:00 PM. Event: "Reliability Techniques" — 2nd Annual Tutorial School.
- 16 PES — Stouffer Rest., 32 E. Randolph St., Chicago; cocktails 11:15 AM, lunch 11:45 AM, program follows. Subject: "Best Bets for Energy Storage."
- 17 Comms. Soc. — Illinois Bell Telephone Co., 225 W. Randolph St., 20th Fl. Dining Complex, Chicago; hot buffet dinner 6:30 PM, meeting 7:30 PM. Reservations limited. Subject: "Light Wave Communications Systems."

DON'T FORGET TO CAST YOUR IEEE BALLOT

"EARTH RESOURCES TECHNOLOGY SATELLITES" AT FOX VALLEY

Dr. Walter Olson, Director of Technology Utilization and Public Affairs at the Lewis Research Center of NASA will be the speaker at the Fox Valley Subsection meeting on October 5. Dr. Olson will present information on the "Promises and Pay-offs from Space Activities." A graduate of DePauw University, Dr. Olson obtained his PhD. from Case Institute of Technology. He has had extensive responsibility in NASA activities.

It is expected that the meeting will include information on present and possible future uses of Landsat satellites in addition to touching on space operations for meteorology, communications and science, as well as technology in general.

A DISTINGUISHED LECTURE

On October 11, the Antennas and Propagation Society/Microwave Theory and Techniques Group (co-sponsored by PG-EMC) will present "EMP Simulators for Various Types of Nuclear EMP Environments: An Interim Categorization."

The distinguished lecture will be presented by Dr. Carl E. Baum who has made numerous contributions to EMP and electromagnetic theory, primarily in the fields of sensor design, simulator design and interaction (coupling) analysis. In recent years, his investigations have given new insights into the basic aspects of electromagnetic theory, such as the singularity expansion method (SEM). Dr. Baum has been active in this field since 1963 and is currently with the Weapons Laboratory of the U.S. Air Force.

POTENTIAL HAZARDS IN ELECTRICAL DISTRIBUTION SYSTEMS

Mr. Pat R. Herbert, Vice President, High Voltage Maintenance Corporation will speak at the Industry Application Society/Industrial Electronics and Control Instrumentation Group meeting on October 12. His subject will be "Inspection and Testing of Electrical Power Distribution Systems."

Many electrical distribution systems have inherent potential hazards which may result in personal injury, property loss and lengthy outages. Now there is sophisticated test equipment available which shows where the weaknesses exist in the system. This permits relatively inexpensive upgrading of the equipment to meet present demands.

PES OCTOBER LUNCHEON MEETING

The second luncheon meeting of the Power Engineering Society will be held on October 19. The subject will be "Current Developments in SF₆ Substations."

The speaker will be Howard Graybill of I-T-E Corporation who is a member of the IEEE Substations Committee Working Group 70.1 on Standardization of Gas-Insulated Substations. Mr. Graybill is also Chairman of the NEMA Switchgear Section Technical Committee on Gas-Insulated Substations.

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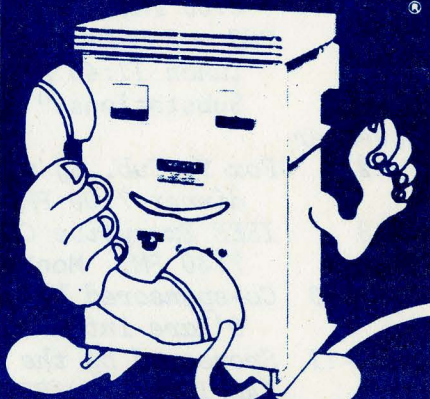
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RELIABILITY TECHNIQUES

2ND ANNUAL TUTORIAL SCHOOL

a half day introduction and update to reliability fundamentals
saturday, november 12, 1977 by the IEEE Reliability Group,
Chicago Chapter

PROGRAM

RELIABILITY BASICS - purpose,
use and quantification
RELIABILITY MODELING - tech-
niques, principles, rapid
evaluations, examples
MAINTAINABILITY - preventive
and corrective, trends
COST EFFECTIVENESS
DERATING
UTILITY POWER RELIABILITY
CONSIDERATIONS
SOLAR POWER CONSIDERATIONS
QUESTIONS AND ANSWERS

TIME AND LOCATION

8:30 A.M. - 1:00 P.M.
GTE Automatic Electric Labs
400 N. Wolf Road
Northlake, IL 60164

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