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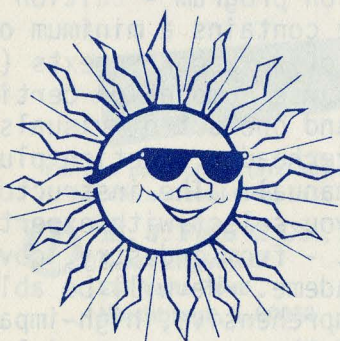
Official Publication of the Chicago Section • Institute of Electrical & Electronics Engineers • June 1983

CALENDAR OF EVENTS

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

COPY DEADLINE: FIRST WEEK OF MONTH PRIOR TO PUBLICATION

JUNE 8-10	Intl. Conference on Consumer Electronics	IEEE, BCCE & Others	Ramada-The O'Hare Inn Mannheim Rd. nr. Higgins Des Plaines	(For inf., call Larry Dietch, 391-7882)
14	Monthly Meeting ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE Cor McDonald Dr 22nd St Oak Brook	Meeting 7:30 PM
14	"Appl. & Implica. of Single Side- band Tech. ..."	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
20	Tour - O'Hare Traffic Control Tower	Antennas & Prop./ Microwave Theory & Techniques Soc.	Entrance O'Hare Control Tower at st. level btwn. Terminal 2 & Hilton Hotel	Tour 7:30 PM (Gather in lobby)
JULY 19	Monthly Meeting ALL WELCOME	IEEE Executive Cte.	To be announced at June 14th Exec. Cte. Mtg.	Cocktails 6 PM Dinner 6:45 PM
AUG. 9	Monthly Meeting ALL WELCOME	IEEE Executive Cte.	McDonald's Plaza NE Cor McDonald Dr 22nd St Oak Brook	Meeting 7:30 PM



Have a nice summer.

Look for us in September.

IEEE 1984 CENTENNIAL MEDALS - As part of its 100th Anniversary Celebration, the IEEE will award IEEE Centennial Medals to persons who have been selected as having made outstanding contributions to the Section, Chapter or local community.

The Chicago Section will be presenting 13 medals during the 1984 calendar year. We ask those persons who know of a deserving individual to send his name along with a brief one paragraph description of his contributions to Eleanore Burda at the IEEE Chicago Section office.

All entries will be taken into consideration and must be in by August 1, 1983. Awardees are not required to be IEEE members.

O'HARE TRAFFIC CONTROL TOWER TOUR - A tour will be held on June 20 by the Antennas & Propagation/Microwave Theory & Techniques Societies of the O'Hare Traffic Control Tower.

The control tower at Chicago O'Hare International Airport annually handles some 700,000 plus aircraft take-offs and landings. This makes O'Hare the busiest airport in the world. A slide show, lasting approximately 18 minutes and a tour of the RADAR room and Tower Cab will acquaint those attending with how air traffic control works and what electronic equipment is involved in the complex operation.

Host for the tour will be Robert A. Frink, Assistant Air Traffic Manager, O'Hare Tower. Bob is a graduate of the University of Texas at El Paso with a BS in civil engineering. He is a pilot with commercial multi engine and instrument ratings. Bob has been with the FAA for 21 years and served as controller, automation specialist and supervisor.

A limited number of reservations can be accepted. Deadline is June 17 (before noon) and will be handled on a first-come/first-served basis. See Calendar of Events and location and time.

1982-83 CHICAGO SECTION ROSTER CHANGE (underscored portion indicates change) - Norbert Orszula • Brown & Root, Inc. • 300 East Shuman Boulevard • Naperville, Illinois 60566 • 961-6258.

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Change of Address

A change of address form is included in each issue of SPECTRUM. Your local post office will also supply you with cards; mail to Roseann Schulz, Member Services, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. Include your SPECTRUM mailing label if possible. We cannot forward this information for you, so please do not send it to the local office.

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IEEE LOW-COST PACKAGED SHORT COURSES are now available to IEEE entities and companies. The Educational Activities Board is offering these courses to overcome the final hurdle in the implementation of a successful continuing education program - tuition cost. Each course contains a minimum of 15 units each of workbooks, texts (if required), course completion certificates, ID badges and one set of visuals for slide or overhead projection plus a teacher's manual. The instructor can be anyone you select with expertise in the subject - from industry, government or academe. He will be able to provide comprehensive, high-impact coverage of the course material. This innovative plan permits IEEE entities and companies to schedule proven, economical short courses. Contact the IEEE Continuing Education Department • 445 Hoes Lane • Piscataway, New Jersey 08854 • 201: 981-0060, extension 327.

Professional Activity

UPDATE

HOUSE PANEL ALLOWS CERTAIN FOREIGN STUDENTS IN SCIENCE/ENGINEERING TO REMAIN IN U.S.

The House immigration subcommittee, in making recommendations for full Judiciary Committee action, has voted to allow certain foreign students to be exempted from the "return home" provisions of the bill. Under terms of H.R. 1510, as drafted by the Mazzoli subcommittee on April 6, foreign students who enter the U.S. after enactment of the new law will not be allowed to adjust status or return to the U.S. until they have resided in their home countries for two years.

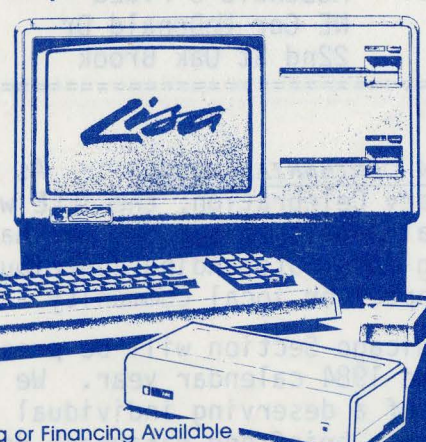
The following exemptions will be allowed until 1989: "students with degrees in natural science, engineering, computer science, or mathematics with certified job offers in industry or who have advanced degrees and have been offered a teaching or research job by a college of university." A further exemption is permitted in the case of foreign students who are immediate relatives of a U.S. citizen.

"OUTSTANDING SALES & SERVICE AWARD" was recently awarded to Chicago Section's Jim Marcoullier, Technical Center Manager and Gary Murino, President, Englewood Electrical Supply Division, Oak Brook for being one of 1982's top-ten distributors of programmable controllers, which are microprocessor-based factory automation control devices. The award was received from Allen-Bradley Company's Systems Division of Highland Heights, Ohio and made at the Drake Hotel in Oak Brook by Ken Weileder, Allen-Bradley Distributor Marketing Manager.

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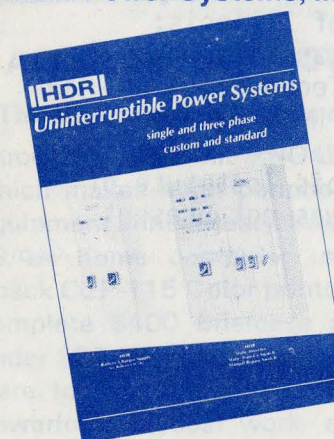
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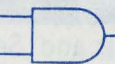
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HONOR FELLOW MIKULSKI AND TOP STUDENTS AT IEEE RECOGNITION DINNER — As a highlight of this year's Chicago Section Recognition Dinner, Dr. James J. Mikulski of Motorola's Corporate Research and Development Center was congratulated April 23 for his elevation to the rank of Fellow in IEEE. He received this high honor for contributions to the development of cellular mobile radio telephone systems.

A native Chicagoan, Mikulski has been with Motorola since 1965. He is active in the Vehicular Technology Society of IEEE, having served as a member of that society's Board of Directors from 1979 to 1982. In accepting the award, following the banquet at The Lancer Restaurant in Schaumburg, Mikulski said, "I work in a very exciting environment just down the street. A very large number of very interesting and equally as well qualified engineers are there. The award of Fellow gives me the freedom to acknowledge the contributions of the very many engineers with who I have worked in the past — more than 12 years." While congratulating the new Fellow, Howard Wolfman, Grayhill, Inc., Chicago Section Chairman reminded the engineers that Mikulski joins a select group of only 1 1/2% of the Institute membership. "Out of the 5,000 members in the Chicago Section, only 61 are Fellows — it's a very elite group," he said.

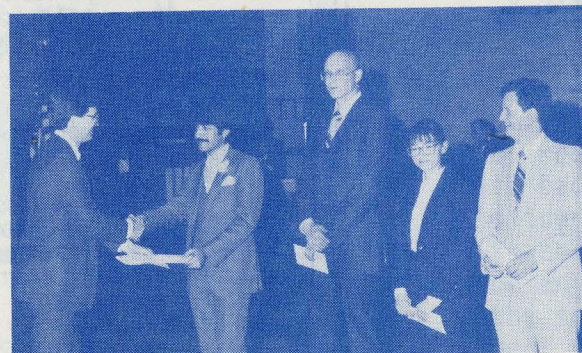
Dan Pittenger, Zenith Radio Corporation, Chairman of the Recognition Dinner, welcomed the group and paid tribute to the five undergraduates receiving Outstanding Student Awards and the four Student Scholarship Award winners. Following the award ceremonies, the technical throng was entertained by a talented ventriloquist-comedian, skilled juggler and dynamic dancing group. They spent the rest of the evening dancing to a full ballroom orchestra.



Newly elected Fellow, Dr. James J. Mikulski (l), is congratulated by Chicago Section Chairman Howard Wolfman for his contributions to the development of cellular mobile radio telephone systems.



Student Scholarship Award winners are (l-r), Anatoly Belkin, University of Illinois; Vitautas Bukauskas, DeVry Institute of Technology; and Jon D. Garlett, Northwestern University. Awardee Theresa M. Nast, Illinois Institute of Technology was not present.



Chicago Section Institutional Coordinator Andy Gasiorowski of Allen-Bradley presents Outstanding Student Awards to (l-r), Peter Mantas, DeVry Institute of Technology; Lawrence Przybylski and Pamela Zenino, both of University of Illinois; and Dennis W. Ruck, Northwestern University. Not present was awardee Samuel S. Fitting, IIT.

IEEE LIFE MEMBERS ARE WELCOME AT MIDCON '83 — IEEE Life Members are encouraged to attend Midcon '83 on Tuesday, Wednesday and Thursday, September 13, 14 and 15, 1983 at the O'Hare Exposition Center in Rosemont. Midcon is middle America's largest high technology electronics exhibition and convention.

IEEE Life Members are provided with special recognition in the form of complimentary registration. A hospitality center is available where Life Members and their spouses can get together, relax and chat.

On Wednesday, September 14 at 10:30 AM, a special program is planned. The topic is "A View from Space" by Richard W. Underwood from the L. B. Johnson Space Center. The Annual IEEE Life Member Luncheon will follow. Advanced registration for the luncheon is required. Details will be mailed to each Life Member.

Mark your calendar t-o-d-a-y. Plan to attend!

ROBOTICS AND PROJECT MANAGEMENT VIDEOTAPES AVAILABLE — The Educational Activities Board of the IEEE is now offering videotapes of programs that had been previously teleconferenced via satellite. **INTRODUCTION TO PROJECT MANAGEMENT** is for all project management personnel, including those responsible for new products, construction, research and development. The course explores the requirements to bring a program in on time, within an accurate forecast of budgeted manpower and materials, and without organizational conflicts. This is a four one-hour videotaped program. **ROBOTICS: RESEARCH AND BUSINESS OPPORTUNITIES** described the field for research, design, development, computer hardware, software, control system, manufacturing and production engineers and engineering managers. The program pinpoints current and future robot applications, tradeoffs, basics of control, sensing, touch sensing, programming, human interfacing and economic considerations. It's a five one-hour videotaped program.

The format for both programs is live lecture, question/answer periods and closing comments. Each tape is a standard format of 3/4-inch U-Matic videocassette. Betamax 1/2-inch and VHS formats are available on special order. For further information, contact the IEEE Continuing Education Department • 445 Hoes Lane • Piscataway, New Jersey 08854 • 201: 981-0060, extension 327.

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DR. MIKULSKI SPEAKER AT VTS JUNE 14 MEETING - On June 14, the Vehicular Technology Society will present "Application and Implication of Single Sideband Technology in Land Mobile Radio Service." Areas of spectral efficiency, changes in occupancy modulation and technology diffusion shall be discussed.

The speaker will be Dr. James J. Mikulski from Corporate Research, Motorola Communications and Development Center. Dr. Mikulski is a recently elected IEEE Fellow (see pg. 4) and a well known author on land mobile radio technology.

Dinner is optional. However, a reservation is helpful even though you do not plan on dinner. Non-members are welcome. Students with IEEE identification will pay \$1.00 for dinner up to \$11.00. Entrée will be Prime Rib of Beef. For reservations call Jerry Underwood before noon on June 13 at 576-2747.

FIRST CALL FOR PAPERS - • Power Engineering Society: January 29-February 3, 1984 - Dallas, Texas. Deadline is September 1, 1983. Contact T. N. Hand, Technical Program Chairman. • 15th Annual Power Electronics Specialists Conference: June 18-21, 1984 - Gaithersburg, Maryland. Deadline is November 15, 1983. Contact Dr. Donald J. Bosack, Program Chairperson at Gould Research Center, 40 Gould Center, Rolling Meadows, Illinois 60008, (312) 640-4410. • Conference on Precision Electromagnetic Measurements: August 20-24, 1984. Deadline is February 1, 1984. Contact Secretariat, Mrs. IJ Smits, Department of Electrical Engineering, Delft University of Technology, P. O. Box 5031, 2600 GA DELFT, The Netherlands, (31 15 781736), telex 38151.

1983 JOINT POWER GENERATION CONFERENCE will be held on September 25-29, 1983 at the Hyatt Regency Hotel in Indianapolis, Indiana. The Conference is co-sponsored by the IEEE, The American Society of Mechanical Engineers and American Society of Civil Engineers. Information may be obtained by writing to Joint Power Generation Conference '83 • P. O. Box 343 • Plainfield, Indiana 46168-0343.

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