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TIME SENSITIVE MATERIAL

CALENDAR OF EVENTS

For reservations call the IEEE office 649-2800
(unless otherwise indicated)

Copy Deadline for November Scanfax is September 26, 1989

Oct. 3 Tues.	Product Safety Tech Committee	Product Safety in Commerce & Society	Arthur's Banquet Rt. 83 & Oakton Blvd.	Social: 6:00 PM Dinner: 6:30 PM Talk: 7:15 PM
Oct. 5 Thurs.	LEOS	Integrated Optics for Lightwave Systems	Jerry Sharko's 2225 Ogden Ave. Lisle, IL	Social: 5:30 PM Dinner: 6:15 PM Talk: 7:30 PM
Oct. 10 Tues.	Chicago Section	Executive Committee	Contemporary Controls 2500 Wisconsin Downers Grove, IL	Meeting: 7:15 PM
Oct. 11 Wed.	IAS/IES	Photoelectric Safety and Central Application	Kathryn's Banquet 600 N. River Rd. Mt. Prospect	Social: 5:30 PM Dinner: 6:30 PM Talk: 7:30 PM
Oct. 11 Wed.	Power Engineering Society	Design and Application of Power Fuses	Carson Pirie Scott & Co. Chicago	Social: 11:30 AM Lunch: 12:00 PM Talk: 12:30 PM
Oct. 25 Wed.	Fox Valley/ Computer Society	Symbolics Ivory Processor Product	Wilton Manor 2200 N. Main St. Wheaton	Social: 6:30 PM Dinner: 7:00 PM Talk: 8:00 PM
Nov. 7 Tues.	Northwest Subsection Electron Devices Soc.	High Definition Television	Wilton Manor 2200 N. Main St. Wheaton	Social: 6:00 PM Dinner: 7:00 PM Talk: 8:00 PM

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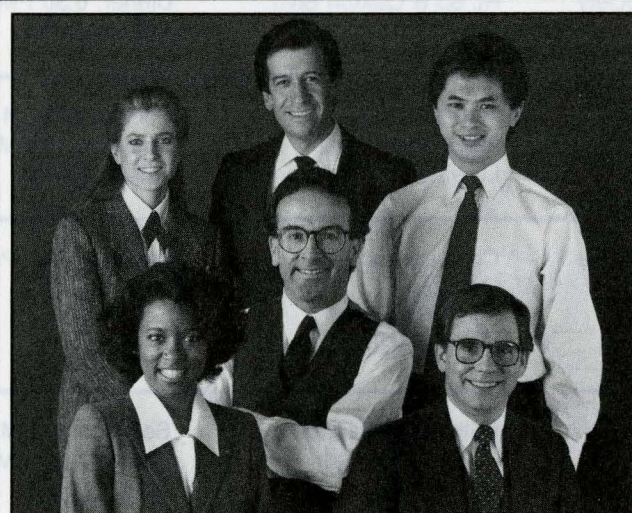
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MINNESOTA EMC EVENT

When Thursday, October 26, 1989

Where Minneapolis Metrodome Hilton
1330 Industrial Blvd
Minneapolis, MN

Mark your calendars and register now for the 4th Annual Minnesota EMC Event. Learn the latest in electromagnetic compatibility (EMC)!

Engineers, technicians, purchasing agents and marketing executives will meet face-to-face with national manufacturers of equipment used in EMC compliance and providers of services to the industry.

Technical presentations, designed to help engineers better understand EMC problems, will be given throughout the day. These presentations will address compliance, problems, and design issues.

The Minnesota EMC Event is co-sponsored by Amador Corporation and Kimmel Gerke Associates Ltd, and supported by the Minnesota Council of the American Electronics Association (AEA) and the Institute of Electrical and Electronics Engineers (IEEE).

To receive additional details and your registration form, call Diane Swenson at 612 465 3911.

IEEE POWER ENGINEERING SOCIETY

IEEE



SPEAKER: William Schmunk
Manager Applications Engineering
Research and Development Division
S & C Electric

TOPIC: Design and Application of Power Fuses

ABSTRACT: The modern high-voltage power fuse, though deceptively simple in design appearance, is in fact a precisely-manufactured and precision-performing product. It typically combines both the sensing and interrupting element in one self-contained device, and is both maintenance-free and, equally important, maintenance-proof.

Overcurrent protection, fundamental to the operation of all medium and high-voltage distribution systems, must respond to moderately abnormal overcurrents (such as secondary faults on transformers) and highly short circuit currents, and to all intermediate values. Careful selection and application of power fuses in positions within a coordinated protection scheme, where their response and performance characteristics match the needs of each location, will result in proper Selectivity so that only the smallest part of the faulted system is isolated.

BACKGROUND: E. W. Schmunk received his B.S.E.E. and M.S.E.E. degrees from Northwestern University, Evanston, Illinois. Additionally he is a **DISTINGUISHED SPEAKER**. He has been with S & C Electric since 1955 as a specialist in high-voltage switching and protection. He has held various positions in research and high-voltage fuse design.

Mr. Schmunk is a Registered Professional Engineer in the State of Illinois, a member of Eta Kappa Nu, and IEEE member. Additionally he is active on numerous working groups within the Switchgear Committee of the IEEE. He is a member of the ANSI C37 Subcommittee on High-Voltage Fuses and a representative on the IEEE delegation to ANSI C37 Power Switchgear. He also serves as a switchgear expert for ANSI U.S. technical advisors to both IEC 32A and IEC 17A.

PLACE: Carson Pirie Scott - Chicago (Monroe and Wabash)
Corporate (lower) Level

DATE: October 11, 1989

TIME: 11:30 Cocktails
12:00 Lunch
12:30 Presentation

Reservations may be made by calling the IEEE Chicago message center at 649-2800. Please leave name(s) and company name(s) for those wishing to attend.

POWER AND LIFE



IEEE Lasers and Electro-Optics Society

CHICAGO CHAPTER



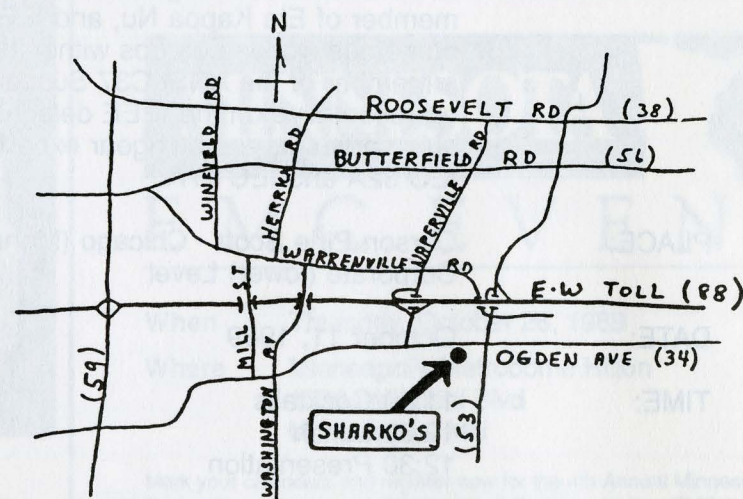
Date: Thursday October 5, 1989
Topic: Integrated Optics for Lightwave Systems
Speaker: Dr. Rod C. Alferness, Head of the Photonics Circuits Research Dept.
AT&T Bell Laboratories, Holmdel, NJ.

ABSTRACT: To advance to a truly optical information age, photonic elements will be required to provide control functions such as switching, filtering, amplification, and multiplication. Optical waveguides in electro-optic and active planar substrates provide for compact, efficient devices to provide these control functions as well as the means to optically interconnect different elements to form integrated optic circuit subsystems. This talk will present a brief overview of integrated optic concepts and devices. Its emphasis will be on the current status and applications of lithium niobate and InP photonic integration circuits.

Social/Business Meeting: 5:30 PM (Cash Bar)
Dinner: 6:15 PM (\$13 per person, \$7 for students)
Technical Presentation: 7:30 PM (No Charge)

Location: Jerry Sharko's
2225 Ogden Avenue
Lisle, IL (852-4500)

Directions:
Exit at 53 South from E-W tollway (88)
Take 53 South to Ogden Avenue
Right (West) onto Ogden Avenue
Left into Sharko's Parking Lot



Entree choices are Boneless Breast of Capon or Vegetarian Lasagna. Advance dinner reservations should be made by calling the IEEE Chicago Message Center at 649-2800 by 5:00 PM on Tuesday October 3, 1989. For additional information, contact David Naylor at 996-6010

FOX VALLEY SUBSECTION

in a Joint Meeting with the

IEEE COMPUTER SOCIETY

TOPIC: Symbolics Ivory Processor Products

DATE: Wednesday, October 25, 1989

SPEAKER: Matt McGinley

PLACE: Wilton Manor, Schmale Rd., Wheaton

TIME/COST: Social: 6:00 p.m. - Cash Bar

Dinner: 7:00 p.m. - \$12.00

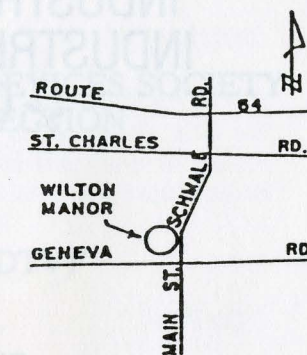
Speaker: 8:00 p.m. - Free

RESERVATIONS: Call (312) 649-2800 to make reservations for Dinner and/or Meeting, by **Monday, October 23, 1989.**

TECHNICAL QUESTIONS: Direct questions about our topic or speaker to John Gavin at (312) 858-7100.

ABSTRACT: Matt McGinley discusses Symbolics' hardware and software operating environment with emphasis on the MacIvory and UX400S processors, which work within the MacIntosh and Sun Workstations.

ABOUT OUR SPEAKER: Mr. McGinley earned his B.A. in English from Montclair State in New Jersey. Before joining Symbolics, he worked in CAD/CAM sales for Gerber Scientific Products. Matt Grisius, who will be available to answer questions after the talk, majored in Mathematics at the University of Michigan. He worked as a software developer for 15 years at Ford R&D Center, and for the past six years has been a Software Specialist at Symbolics.



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JUNE	APR 24	MAY 15

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October 18-November 9, 1989

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and Design**
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October 23-November 15, 1989

UNIX
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January 2-25, 1990

**Project
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January 2-25, 1990

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INDUSTRY APPLICATIONS SOCIETY INDUSTRIAL ELECTRONICS SOCIETY CHICAGO CHAPTER

*** KICK OFF TECHNICAL MEETING ***

Wednesday October 11, 1989

PHOTOELECTRIC SAFETY AND CONTROL APPLICATIONS

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Main Speaker

James A. Berheim
Chief Engineer

SICK Optic-Electronic, Inc.

About the Speaker

James Berheim has over 17 years experience in applying safety devices in the manufacturing environment. Mr. Berheim received his Electrical Engineering degree from the University of Minnesota and his expertise has been sought by many national safety committees and associations. He was instrumental in getting the federal regulation changed to allow Presence Sensing Device Initiation (PSDI) on mechanical power presses.

Meeting Topic

As increased national attention is focused on employee health and safety concerns the use of photoelectric safeguarding techniques has become an innovative alternative to conventional safety cutoff devices. Mr. Berheim will describe photoelectric safeguard designs and the technology involved with its implementation. He will discuss the use of safety light curtains and machine area safeguards, the factors affecting equipment selection and the current trends in this area. In addition, Mr. Berheim will cover the role of government regulations and its impact on the manufacturing environment.

Location

Kathryn's Banquets
600 N. River Road (East of Wolf Rd)
Mt. Prospect, IL

Directions

For Northbound on I-294, Exit at Dempster West to Rand Rd North (Rt. 12), Right on Central Rd East to River Road North.

Time

5:30 PM Cash Bar/Social
6:30 Dinner
7:30 Technical Program

For Southbound on Elmhurst Road (Rt. 83) take Right on Euclid Ave East to River Road South past Kensington Rd.

Reservations

Reservations are required for dinner seating. The cost of the dinner is **\$13 for those with reservations** and **\$14 at the door**. There is no charge for attending the Technical Program portion however, please make reservations to ensure adequate seating arrangements.

Please call the IEEE Message Center at 649-2800 by October 5th and indicate Dinner or Technical Program Only reservations.



IEEE ELECTRON DEVICES SOCIETY

NORTHWEST SUBSECTION

JOINT MEETING OF THE ELECTRON DEVICES SOCIETY AND THE NORTHWEST SUBSECTION

November 7, 1989

"High Definition Television (HDTV)"

by T. S. Rzeszewski
AT&T Bell Laboratories

High definition Television (HDTV) is an important emerging technology which has the potential of reviving the television electronics sector in the US. HDTV is characterized by a 2:1 improvement in both the horizontal and vertical resolution, a wide aspect ratio of at least 5:3, improved color rendition due to component signals, and stereophonic digital audio. Advanced Television (ATV) is a generic term for the three levels of improved quality television - Improved Definition Television (IDTV), Enhanced Definition/Quality Television (EDTV/EQTV), and HDTV. This talk will discuss the following topics relevant to the introduction of ATV in the US: present NTSC TV and its defects, the three categories of ATV, specific examples of ATV, market potential, standards, and delivery systems (DBS/terrestrially).

T. S. Rzeszewski received the BSEE and MSEE degrees from the University of Illinois, Urbana, and honorary Doctorate Degree from the Midwest College of Engineering, Lombard, IL. He joined AT&T Bell Laboratories in 1982 and his present research interests include Photonic Switching, Fiber Optic Communication Systems, High Definition Television, and Digital Video.

Place: The Wilton Manor
2200 North Main Street
Wheaton, Illinois 60187
Time: 6:00 p.m. Social, Cash Bar
7:00 p.m. Dinner \$10.00 with reservation by November 3
\$11.00 without reservation
8:00 p.m. meeting - All welcome, no charge
Reservations: Call the IEEE Office at (312) 649-2800

IEEE PRODUCT SAFETY Technical Committee OCTOBER 3 MEETING ANNOUNCEMENT

DATE: Tuesday October 3, 1989

LOCATION: Arthur's Banquet
NE Corner Rt. 83 & Oakton Blvd.
Rt. 83 is Elmhurst Rd. - Oakton
is just North of I-90

SOCIAL AND
GRIPE
SESSION: 6:00 PM

DINNER: 6:30 PM — Chicken Kiev \$13.50 — per person.

SPEAKER: 7:15 PM — Richard H. Hagedorn P.E.

TOPIC: THE ROLE OF PRODUCT SAFETY IN COMMERCE AND SOCIETY

An overview of the many aspects of Product Safety will be presented by Richard H. Hagedorn. Key considerations in Certification, Standards, Design, Quality, and Litigation will be presented by specialists in those areas.

RSVP: Dick Hagedorn (312) 355-5722
John Allen (312) 827-7520
John Knecht (312) 272-8800 X3416

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