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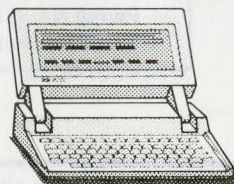
CALENDAR OF EVENTS

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

Copy Deadline for December Scanfax is Oct. 28

NOV. 5-7	Workshop- TMS32010 Digital Signal Processor Design	Texas Instruments	TI, Chgo. Reg. Tech. Ctr. 515 W. Algonquin Rd. Arlington Hts., IL	(Informa., Barb Esquibel X640-2909)	
6	"O'Hare Development Project"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm., 8th Fl.	Social Lunch Meeting	11:30 AM 12 Noon 12:30 PM
12	Monthly Meeting- ALL WELCOME	IEEE Executive Cte.	Allen-Bradley Co. 910 Pasquinelli Dr. Westmont, IL	Meeting	7:30 PM
13	"Media for Intel- ligent Factories & Comm. Bldgs."	Industry Appls./ Industrial Electronics Society	Mr. Peter's Rest. 1018 Mount Prospect Rd. Mount Prospect, IL	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM
16	Computerized Reliability Prediction	Reliability Society- Chicago Chptr.			
For information contact: Paul Evans 312-259-9600 X6431					
DEC. 3	"What Is a Super Computer?"	Fox Valley Sub. (j/w Assn. for Sys. Mgmt. & Computer Soc.)	Sharko's Rest. One W. Roosevelt Rd. Villa Park, IL	Dinner Meeting	6:00 PM 7:00 PM
4	"Lightning Phenomenon & Protection"	Power Engrng. Soc.	Carson Pirie Scott Wabash & Monroe Sts. Highland Rm., 8th Fl.	Social Lunch Meeting	11:30 AM 12 Noon 12:30 PM
10	Monthly Meeting - ALL WELCOME	IEEE Executive Cte.	Allen-Bradely Co. 910 Pasquinelli Dr. Westmont, IL	Meeting	7:30 PM
11	"Local Area Network Implementation"	Industry Appls./ Industrial Electronics Society	Mr. Peter's Rest. 1018 Mount Prospect Rd. Mount Prospect, IL	Social Dinner Meeting	5:30 PM 6:15 PM 7:15 PM

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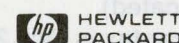


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Send change of address to Roseann Schultz, Member Services, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. Include your SPECTRUM mailing label if possible. We cannot forward this information for you, so please do not send it to the local office.

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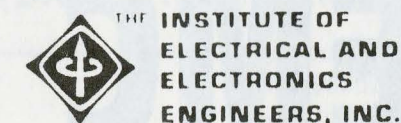
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INDUSTRY APPLICATIONS SOCIETY INDUSTRIAL ELECTRONICS SOCIETY CHICAGO CHAPTER

MEETING NOTICE

Mr. Rod Elger
Johnson Controls, Inc.

Media for Intelligent Factories and Commercial Buildings

Wednesday - November 13, 1985

Mr. Peters Restaurant
Mount Prospect, Illinois

Local area networks and building automation systems are becoming more widespread as U.S. industry revitalizes by improving staff and building efficiency. Data for these systems is transmitted in a wide variety of forms, but all use one of a limited number of available media. The options and tradeoffs available to engineers responsible for choosing the media have not been widely publicized.

This program is directed to all system designers, system specifiers, and system modifiers, and other engineers who are interested in learning more about the media aspects of these systems, the design elements, and their applications. Both bounded media (twisted pair, coax, fiber optics), unbounded

media (radio, microwave, infrared) as well as multi-media systems will be included.

Mr. Elger is a Senior Research Engineer in the Controls Research Department at Johnson Controls, Inc. Mr. Elger received his MSE degree from the University of Wisconsin, and the BSEE degree from the Milwaukee School of Engineering. He is a Senior Member of the IEEE, and the Director of the Association of Engineers and Scientists in Milwaukee. His research interests include microprocessor-based control systems, local area networks, low voltage power line carrier and diffused infrared communications systems, integrated sensors, and digital signal processing.

Schedule: 5:30 P.M. Cash Bar
6:15 P.M. Dinner
7:15 P.M. Technical Program

Location: Mr. Peters Restaurant
1018 Mt. Prospect Ave.
(Rand & Central)
Mount Prospect, IL.

Reservations:

Please call Eleanore Burda at the IEEE Office, 236-4609 to make dinner reservations by Monday, November 11. The cost for dinner is \$12 for IEEE and ASQC members, \$13 for non-members. There is no charge for anyone wishing to attend only the technical program.

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REPORT FROM REGION 4 DIRECTOR BILL RIDER

(Drafted 18 September 1985)



My purpose in reporting through newsletters is to inform the Sections of Region 4 activities, some current issues, and other matters that need discussion. Past events will be minimally reported. I was able to attend MIDCON briefly September 11 where I met with our future Region 4 representative on the MIDCON BOD, John Lightener of the Chicago Section. I also chatted with James Ralston, Dave Pivan, Paul Jahn and other contributors to MIDCON. In the short time I was there I also made a useful contact with one of the MIDCON exhibitors, participated in Region 4 Central Area Workshop, attended the Life Member Luncheon, and discussed IEEE matters with several people. MIDCON is an outstanding asset to IEEE. The Chicago Section is to be congratulated for their monumental efforts.

On September 14, I met with the Missouri Slope Section Executive Committee in Bismarck, ND and spoke to the Section meeting. That is the smallest Section in Region 4, having just upgraded from Subsection status.

In August the IEEE BOD met in Seattle for its 3rd quarterly meeting of the year. This meeting usually requires 8 days including travel to/from. Some issues of interest before the BOD are: Indemnification of volunteers, clarification of Senior Member qualifications, increasing the cap on Fellow Member elections from about 138 to about 200/year. Other issues included increasing rebates to Sections, and approval of United States activities dues increase from \$13 to \$15. Your dues bill will go up \$2 in 1986.

The issue of the oversight of "The Institute" newspaper was withdrawn from the official agenda of the BOD. Drastic changes in the oversight are not expected. The prevailing opinion was that oversight needs could be handled without creating new committees, etc. The matter of "independence" of the Institute has been a hot topic in some IEEE circles lately. In my opinion the issue should center around "oversight" rather than "journalistic independence". As a matter of policy all functions within IEEE are subject to "oversight" by others. All committees, boards, departments, etc. are periodically reviewed and policy is set for them. Ultimately all IEEE entities are responsible to someone. It makes sense to me that "The Institute" also be subject to oversight. The best oversight is that that comes from members responding to "Institute" content. I encourage you to let your wishes be known.

I would like for the IEEE to become an organization based on majority rule. Unfortunately, this cannot happen since only 23% of members bother to vote! Perhaps you are dissatisfied with the choices presented to you on the ballot. If so, let it be known. Petitions are very effective for getting issues and candidates on the ballot. It is not difficult if you have a sound proposition. Meanwhile do you plan to be part of the 23% voting?

It is my intention to keep these reports short and informative. Your feedback is expected. Send it to:

Bill F. Rider
2377 Blake Blvd. S.E.
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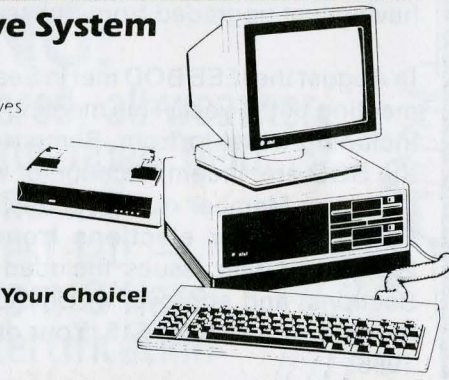
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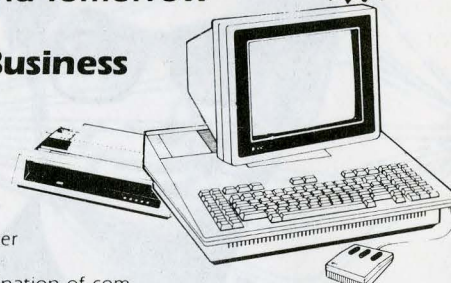
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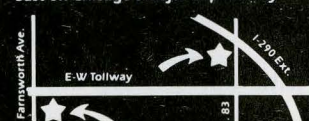
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RELIABILITY SOCIETY-CHICAGO CHAPTER MEETING ANNOUNCEMENT

COMPUTERIZED RELIABILITY PREDICTION

Seminar/Workshop November 16, 1985

Chicago, Illinois

Manually preparing a reliability prediction using MIL-HDBK-217 or other mathematical methods is time consuming and very laborious. In recent years computerized programs have been developed to alleviate this problem and make updating or revising easier. The initial programs were not flexible enough and much debugging and modifying of the programs ensued.

Exhibitors will be included for demonstration of their programs and attendees will be able to participate in a day long workshop gaining hands-on experience.

The Reliability and Computer Societies are sponsoring a seminar to address past and current computerized practices and present new methods or developments to meet this challenging role.

Six outstanding papers will be presented during the one day seminar covering prominent subjects related to this technology. Of particular interest will be actual case histories of user's experience with prediction programs associated with the latest state-of-the-art products.

For information, Contact Paul Evans, 312-259-9600 ext. 6431

ADVANCE MEETING NOTICE

Mr. Don Patton
Anixter Brothers, Inc.

LOCAL AREA NETWORK IMPLEMENTATION

Wednesday, December 11, 1985

Mr. Peters Restaurant
Mount Prospect, Illinois

Schedule: 5:30 P.M. Cash Bar
6:15 P.M. Dinner
7:15 P.M. Technical Program

Location: Mr. Peters Restaurant
1018 Mt. Prospect Ave.
(Rand & Central)

Don is currently employed by Anixter Bros., Inc., the Skokie, Illinois supply specialist to the industrial and telecommunications community. In his position as product sales manager for fiber optics and local area networks (LAN), Don works with customers and suppliers on technical applications for various data and telecommunications projects.

In his presentation Don will cover the overall trends and

practices of the four parts of the local area network (LAN), including ethernet, broadband, fiber optics and the IBM Cabling System.

The IAS/IES meeting will be held at Mr. Peters Restaurant, 1018 Mount Prospect Road, Mount Prospect, Illinois. A cash bar will open at 5:30 p.m., dinner will commence at 6:15 p.m., and the technical program, with Don Patten, will begin at 7:15 p.m.

APPLICATION SPECIFIC IC DESIGN WORKSHOP

CHICAGO Oct 29-31

This 3-day workshop, from TI Regional Technology Centers, is a hands-on course in which you will design a Standard Cell IC from initial schematic to chip layout. You will do this using an easy-to-learn TI-supplied personal workstation. Actual TI cell libraries and a complex, real-world design example will be used to teach you how to complete every phase of the design up to prototype layout and testing.

The object of this workshop is to enable you to complete the design of Gate Arrays and Standard Cell IC's in your own office (or with help from TI if you wish), and to interface effectively with TI's prototyping and manufacturing operations.

WHO SHOULD ATTEND

This workshop is tailored for design engineers who wish to specify or actually design Gate Arrays and Standard Cell IC's. You are expected to have a working knowledge of digital logic design. Although this course uses CAD workstations for designing, no prior experience with workstations or computer systems is required.

WHAT YOU WILL LEARN

- Characteristics and advantages of Gate Arrays
- Characteristics and advantages of Standard Cells
- Semicustom design techniques
- Schematic capture
- Packaging and interface considerations
- Circuit simulation and test pattern design
- Generating a design database using a workstation

TO ENROLL OR FOR MORE INFORMATION

Please call Barb Esquibel at (312) 640-2909. Three or more students enrolling from the same company receive a 15% discount. For large groups, this workshop can be run at your location. TUITION is \$1000 payable by check, P.O., or American Express.



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FOX VALLEY SUBSECTION

joint meeting with
**Association for Systems Management
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Tuesday, December 3, 1985

WHAT IS A SUPER COMPUTER

Wayne McIntyre
Amdahl

Sharko's of Villa Park
1 W. Roosevelt Road
Villa Park, Illinois

6:00 Cash Bar
7:00 Dinner
8:00 Speaker

Members _____ \$10.00
Non-members _____ \$11.00

Call John North at 510-4692 for reservations.

The meeting is FREE, of course. There is a charge listed above for dinner. If you don't make a reservation, a \$1 surcharge will be added to the cost of the dinner. Please come to the meeting if you can't make it for dinner.

*Reservations for dinner should be made
by Noon two days before the meeting.*

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NORTHWEST SUBSECTION

MEETING: Tuesday-November 19, 1985

SPEAKER: Frank Hudziak
Advanced Micro Devices Inc
MSEE from IIT

TOPIC: HIGH PERFORMANCE BIPOLAR SLICES

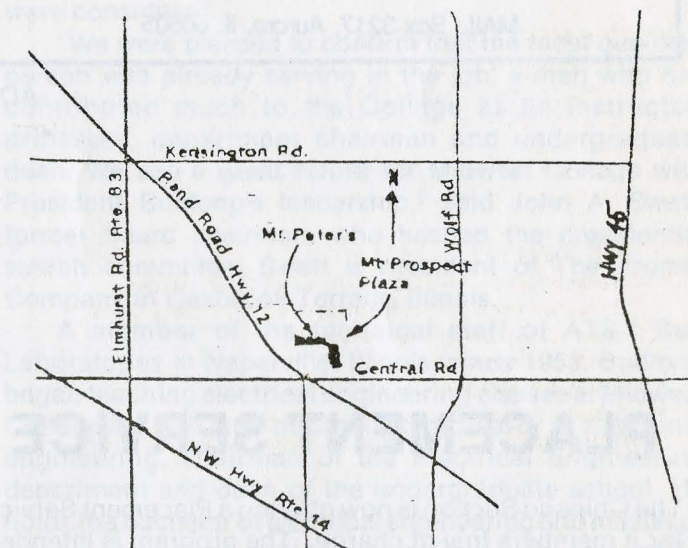
- Basics of Bit-Slice and Microprogramming
- 29300 Family
- 32 Bit Building Blocks
- 29500 Family
- Byte Slice DSP Components
- 2900 Family
- Classic Bit-Slice Products
- 29100 Family
- 16 Bit Controller Family

Place: Mr. Peters Banquets
Rand & Central Roads
Mount Prospect, IL

Time: Social 6:00 P.M. Cash Bar
Dinner 7:00 P.M., \$11.00
(\$10.00 if your reservation is made
on or before Friday November 15
Meeting 8:00 P.M.

Reservations: Call Eleanore at the IEEE Office, 236-4609

Information: Len Cohen 272-8800, ext. 2692



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H R Hofmann - Editor

Scanfax Copy

Jan. Scanfax -
Feb. Scanfax -
March Scanfax -
April Scanfax -
May Scanfax -

Deadlines

Nov. 25, 1985
Dec. 23, 1985
Jan. 27, 1986
Feb. 24, 1986
March 24, 1986

Mailing Dates

December 13, 1985
January 15, 1986
February 17, 1986
March 17, 1986
April 15, 1986

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PLACEMENT SERVICE

The Chicago Section is now offering a Placement Service for its members free of charge. The program is intended for those who are Member Grade and above and is a positive step to help our members who are unemployed. If interested in any of the applicants listed below, call the IEEE office (236-4609) for their name and phone number. If marked "confidential," the applicant will be contacted by the IEEE office so that he/she may contact the prospective employer.

- B9 — Plant engineer - hi voltage and electronics specialties.
B10 — HW - analog/digital. SW -c/unix/assembly/basic.
B11 — Facility Mgr. - EE/ME/RPE - power, lgt. & control HVAC, mat'l. hndlg. & mech. systems.

If you are an IEEE member and unemployed, call or write for the necessary form. Direct your request to: IEEE Placement Service • 125 S. Clark Street - Room 1545 • Chicago, Illinois 60603.

TMS32010 DIGITAL SIGNAL PROCESSOR DESIGN WORKSHOP

CHICAGO
November 5-7

This 3-day workshop, from Texas Instruments Regional Technology Centers, is a hands-on course that gives you a quick start designing with the TMS32010 Digital Signal Processor.

WHO SHOULD ATTEND

This course concentrates on the implementation of algorithms using the TMS32010 EVM single-board development system. It is necessary for you to have a working knowledge of and some experience with microcomputer-based designs. It is appropriate, although not necessary, for you to have some background in digital signal processing techniques.

WHAT YOU WILL LEARN

- Using the TMS32010 EVM system
- TMS32010 Architecture
- TMS32010 Instruction Set
- Fractional Arithmetic
- Coding of Difference Equations
- TMS32010 Development Tools
- Hardware Interfacing
- Subroutines and Macros
- Implementing a DTMF Encoder

TO ENROLL OR FOR MORE INFORMATION

Please call Barb Esquibel at (312) 640-2909. Three or more students enrolling from the same company receive a 15% discount. For large groups, this workshop can be run at your location. TUITION is \$750 payable by check, P.O., or American Express.



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MIDWEST COLLEGE OF ENGINEERING ELECTS ALBERT H. BUDLONG AS PRESIDENT AND DAVID A. DUNN AS CHAIRMAN OF BOARD



ALBERT H. BUDLONG
President
Midwest College
of Engineering

LOMBARD, IL, September 9, 1985 — Midwest College of Engineering today announced that its Board of Trustees has elected Albert H. Budlong as president of the College and David A. Dunn as chairman of the Board.

Budlong becomes the third president of Midwest College, which was founded in 1967 by the late Dr. Alva C. Todd. He was named acting president in October, 1984, following the death of Dr. John D. Johannesen. Budlong was formally elected by the Board following an intensive national search in which more than forty active candidates were considered.

"We were pleased to confirm that the most qualified person was already serving in the job, a man who has contributed much to the College as an instructor, professor, department chairman and undergraduate dean. We see a great future for Midwest College with President Budlong's leadership," said John A. Swett, former board chairman, who headed the presidential search committee. Swett is president of The Fromm Company in Oakbrook Terrace, Illinois.

A member of the technical staff of AT&T Bell Laboratories in Naperville, Illinois, since 1953, Budlong began teaching electrical engineering classes at Midwest College in 1968, later becoming a professor of electronic engineering, chairman of the Electrical Engineering department and dean of the undergraduate school. He holds the bachelor of electrical engineering and master of science (physics) degrees from Marquette University, where he was formerly a member of the teaching staff of the Department of Physics, and is a registered professional engineer in the State of Wisconsin.

Budlong is coauthor of the book "Electronic Switching Theory and Circuits" and a member of Sigma Pi Sigma and Pi Mu Epsilon.

Dunn, a member of the Board of Trustees since 1979 and a former chairman of the Board in 1981-2, had been chairman of the Board's executive committee for the past year. He is the Chicago District Manager for Pittsburgh Testing Laboratory in Hillside, Illinois. A registered professional engineer, Dunn is past president of the Salt Creek Chapter of the Illinois Society of Professional Engineers. He received the bachelor of science degree in Civil Engineering from the University of Illinois.

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