

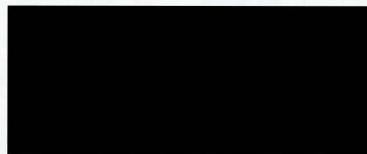


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TIME SENSITIVE MATERIAL

CALENDAR OF EVENTS

For reservations please call IEEE Office at (708) 963-3828 before the stated deadline
Copy Deadline for January SCANFAX is November 27, 1991

December 3 Tuesday	Fox Valley Subsection/ IAS/ Power Electronics	The 1990's Challenges for Lighting Energy Efficiency	Wilton Manor Schmale Road Wheaton, IL	Social: 6:00 PM Dinner: 7:00 PM Meeting: 8:00 PM
December 9 & 10 Monday & Tuesday	Chicago Section and The Lendman	IEEE Employment Job Fair	Radisson Suite Hotel 5500 North River Rd. Rosemont, IL.	Call for for Details (800)562-2820
December 10 Tuesday	Chicago Section	Executive Committee	Contemporary Controls 2500 Wisconsin Downers Grove, IL	Meeting: 7:15 PM
December 11 Wednesday	Power Engineering Society	Safe Nuclear Reactors	Chicago Bar Association 321 S. Plymouth Court Chicago, IL	Social: 11:30 AM Dinner: 12:00 Noon Meeting: 12:30 PM

Chairman's Letter

Dear Members:

How are you progressing on our Section goals? Have you brought an inactive member to a meeting? Has your Society Chapter obtained vice chairmen for all committees? Have you considered offering to serve? If we all try to be more active, our goals achieved will benefit us all with better programs and more growth opportunities.

One strength of our Section is its large, active student branch program. It is also an area which offers our Society Chapters a chance to expand their programs in a very worthwhile way. Your chapter can work with our student branches by having a joint meeting with a student branch with your chapter providing the speaker. This would be a great meeting to utilize one of our distinguished lecturers. If this suggestion sounds interesting to you, please contact our Student Activities chairman, Mary Hart, at 312-294-7784, and she will help you in the coordination effort.

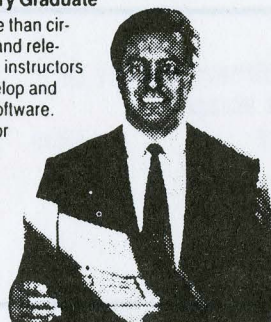
John Truitt
Section Chairman

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Len Martinez, 3M Corporation, 1977 DeVry Graduate

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Send change of address to Roseann Schulz, Member Services, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854-4150. Include your SCANFAX mailing label if possible or phone direct to: 1-800-678-4333. We cannot forward this information for you, so please do not send it to the local office.

SCANFAX DEADLINES

ISSUE	COPY DUE	MAILED ON
JAN 92	NOV 27	DEC 15
FEB	DEC 20	JAN 15
MAR	JAN 28	FEB 15
APR	FEB 25	MAR 15
MAY	MAR 25	APR 15
JUNE	APR 28	MAY 15

THESE ARE FIRM DEADLINES FOR ADS AND COPY!!!

JOB SEARCH WORKSHOPS

A recent SCANFAX article, "Is Everybody Happy", asked for ideas how our IEEE Chicago Section could assist our unemployed or "underemployed" members. We received some interesting comments and suggestions, obviously based on some thoughtful reflections by our members; they included many favorable comments about our Career Fairs and Job Search Seminars which The Lendman Group conducted for us. We also received several requests to continue these Seminars, a one-day weekend workshop dealing with resume preparation, networking, job search and interviewing techniques, etc.

Recently, we have discontinued these Seminars due to their high cost and declining attendance. If we know of enough interest, we will schedule another Workshop/Seminar in conjunction with the January or April 1992 Career Fair, probably at a nominal charge to cover expenses. Therefore, if you are interested in a future Job Search Seminar, be sure to send a postcard or letter to the Chicago Section's Professional Activities Chairman, John Waters, 1004 Golfview Drive, Mt. Prospect, IL 60056.

IEEE JOB FAIR

The nation continues to see no letup in the number of layoffs, particularly among engineers and other technical professionals. Because the employment picture is not improving, the IEEE Chicago Section will be sponsoring another job fair at the **Radisson Suite Hotel - O'Hare Airport, 5500 North River Road, Rosemont, Illinois, on December 9 and 10, between the hours of 3:00 p.m. and 8:00 p.m. each day.**

The program is designed to assist IEEE members who are conducting a job search or who are considering doing so. No pre-registration is necessary; just show up any time during the operating hours of the program. We recommend arriving at least one hour before the end of the session in order to see each of the companies in which you have an interest. The program is being offered to IEEE members free of charge. The event is being produced for The IEEE by The Lendman Group of Virginia Beach, Virginia, the nation's oldest and largest job fair producer.

Here are some suggestions from The Lendman Group which can help you derive maximum benefit from the job fair.

1. Bring approximately twenty resumes with you and leave one with any company that agrees to accept it.

2. Talk to every company representative. Each company will be headquartered in a suite at the Radisson Suite Hotel. Don't be reluctant to walk into the suite and introduce yourself. It's not considered rude, and it will demonstrate your genuine interest in seeing that company.

3. If a company does not have an interest in you, ask the representative with whom you are talking to recommend any other companies that might have an interest. Recruiters mingle with other recruiters and may furnish valuable leads.

IEEE JOB FAIR
Monday, December 9, 1991
and
Tuesday, December 10, 1991
3:00 p.m. to 8:00 p.m. each day

Radisson Suite Hotel -
O'Hare Airport
5500 North River Road
Rosemont, Illinois

4. The same goes for other job applicants. If you must wait in line for a short time, strike up a conversation with the applicants around you. Job leads can, and frequently do, come from such conversations.

5. Sell yourself to the company representatives you meet. First, find out all you can about the specific requirements they seek. Then offer examples of how your background and experience fit.

6. Sell value! Don't talk in terms of what you did from 9:00 to 5:00; that's a position description. Tell what you have accomplished.

For a list of companies participating in the job fair, see the Employment classified section of the CHICAGO TRIBUNE on Sunday, December 8th. All the information you will need in order to participate will be

listed in our ad on that date. Good luck in your job search!

Companies which have current openings to fill will want to take advantage of this opportunity to meet with the best available technical talent the Chicago area has to offer. In addition to positions in electrical and electronics engineering, positions will be available for manufacturing, civil, mechanical, chemical, environmental, and industrial engineers and management information specialists as well.

Companies interested in meeting Affirmative Action candidates will be happy to know that the recruiting effort in support of the program will concentrate on attracting highly qualified, minority candidates. Each participating company will receive, at no additional cost, a computer disc containing digitized resumes of job applicants who attend the event and software developed by Success Systems of California, which will permit companies to do computerized searches of the data base for candidates with specific skills. Information about corporate participation may be obtained from the Chicago IEEE Job Fair Coordinator at 1-(800) 562-2820.

Companies in the process of downsizing are encouraged to inquire about offering a job search assistance program to their employees. Information about outplacement assistance may be obtained from Payne-Lendman, a division of The Lendman Group, at 1-(800) 562-2820.

Note: This article is an unsolicited contribution. Would you, our members, like to read similar reports from our audience?

A teacher's report: A recent class project to build a complete voice/data network during a 15-week course

This was my opportunity to teach the two telecommunications networks systems courses and laboratory sections at DeVry Institute of Technology of Lombard, IL for the Summer 1991 trimester. The personal challenge was to prepare the course and laboratory material within a very short time interval, using old course descriptions and outlines as the initial source. I had to gather information and relevant educational resources for a quick conversion into up-to-date course material (e.g., texts, laboratory workbooks, homework assignments, quizzes, tests). Since my personal library could not satisfy these needs the success of these preparatory efforts and planned learning experiences relied heavily on the networking support and interest of many people, as outlined below.

The *Network Systems Administration* course/lab focused on the management techniques and administration requirements for voice/data communications networks. The *Network Systems Evaluation* course/lab concentrated on the areas of traffic, performance, and analyses of user needs.

The search for resources involved many lengthy telephone conversations, informational interviews, extensive research in various libraries and bookstores; this effort also depended on networking with people from CICA (Chicago Industrial Communications Association), IEEE, IOWIT (Illinois Organization of Women in Telecommunications), vendors, and users; many other individuals suggested more resources and offered moral support. In fact, several individuals from these organizations, as well as members of the telecommunications vendor and user community delivered guest presentations to these classes, or participated in a "Women in Telecommunications" panel discussion.

Both the class atmosphere and this class project intended to simulate the real-world work environment. Specifically, the students had to create a voice and data network for two fictitious businesses modeled after actual companies (Ticketmaster and Home Shopping Club). All members of the class then would become the telecommunications department for their respective "company" to achieve the following learning objectives:

- Work and meet in small team units which comprised the company's telecommunications department;
- Distribute the project responsibilities to these teams, as well to their individual members;
- Research the various pieces of hardware and software entities to determine which would fit their needs best and which would be mutually compatible;
- Prepare periodic status/progress reports for their teams and for their "company";
- Deliver presentations explaining their findings and justifying their choices;
- Produce work-in-progress documentation (project notes) for subsequent inclusion into a booklet.

Each class created the supportive data to define and describe their company (e.g., the company name, the headquarters location and other operating locations in the U.S., the functional responsibilities of each location, the number of employees for each department, telephone numbers, the floor plan layout of the main office, the voice and data communications links between locations, etc.). Then the classes created the plans for designing and implementing the proposed voice/data networks. Even though the suggested number of employees seemed unrealistic, these planning tasks and the underlying reasoning processes proved quite valuable.

After selecting two PBXs, each class had the choice of a Northern Telecom or a ROLM system: *Tickets Unlimited* chose ROLM while *One Stop Shop Enterprises* picked Northern Telecom's system. Both classes selected Chicago as their corporate headquarters and were split into three teams: voice (PBX), data (LAN), and Illinois Bell as the local and long-distance carrier. At this point each team became responsible for choosing the hardware and software requirements for their respective areas of responsibility: phones, file and print servers, T-1 transmission facilities, custom and commercial software, etc. In addition, they had to select the necessary specific telephone system features and disaster recovery schemes, perform some traffic calculations for the voice and data links to determine the requisite telephone facilities ("office engineering"), etc. The Illinois Bell team had to work closely with the other teams so that they could discuss these system requirements with the Local Operating Company and with the Long-Distance Carriers to negotiate for the best service and rate structures.

The beneficial effect of the guest speakers and panelists were apparent during the entire trimester. Two of them presented talks and provided tours of the voice/data systems at another local school; they also offered critiques for one team's voice/data network choices during the final project presentations. The students responded very positively to these guest experts.

In summary, the student initially had convinced themselves that this project was far beyond their capabilities; however, upon completion they could recognize their personal success in "achieving the impossible", and will carry this sense of true accomplishment into their future careers.

As stated earlier, this project could not have reached these goals without the sincere and generous support of our friends in industry and in cited professional organizations.

Thank you.

Dorene L. Lehner

PENSION SECURITY
A Call For Legislative Action

When NCR merged with AT&T newspapers reported, "AT&T has said it will not provide pension benefits for employees of its computer systems business who move to the NCR subsidiary."

This is an example of why portable pension legislation is needed. A union, the Communications Workers of America, is representing the affected AT&T employees. The IEEE hopes to accomplish the same protection for its members thru legislation.

IEEE-USAB is asking you as members to write your congressman urging support of a bill (HR 2390) that would expand the coverage and significantly improve the portability of pensions by reducing the time required for vesting to one year. The bill has important support from both Republican and Democratic representatives as well as senators and is said to have a good chance of being passed. USAB is asking that you write your representative and senator giving your support for the bill. Below is a sample letter. If you wish to personalize your letter with your own experiences or concerns please do so, as such letters are very persuasive to our lawmakers. If you have further questions on this bill contact John Waters 708-392-2733. or your congressman at his local or national office.

SAMPLE LETTER

Your Name
Your Street Address
Your City, State, Zip-code
Your Phone Number at home and/or office

Representative _____
U.S. House of Representatives
Washington, DC 20515

Senator _____
U. S. Senate Building
Washington, DC 20510

Dear Representative (Senator) _____,

I am writing you as a constituent, an Electrical Engineer (Computer Scientist, Project Engineer), and as member of the Institute of Electrical and Electronics Engineers (IEEE) to urge you to support *HR 2390, the Pension and Portability Improvement Act of 1991*.

HR 2390, as introduced by Congressman Sam Gibbons (D-FL) and supported by many others, will expand pension coverage, reduce vesting requirements, improve portability, and help to preserve pension benefits when workers have to change jobs, an all-too-frequent event in my particular profession.

The prompt enactment of HR2390 is needed to strengthen the nation's voluntary pension system and improve the retirement income security of America's increasingly mobile work force.

If you or your staff have any questions about this important legislation, or about IEEE, please contact me or Vin O'Neal at IEEE-USA's Washington office, 1828 L Street, Suite 1202, Washington, DC 20036 (telephone 202-785-0017).

Sincerely

(Your signature)



ELECTRONIC SYSTEMS, INC. 10350 DEARLOVE ROAD, GLENVIEW, IL 60025 708-699-9060

Don't miss out on the \$5 trillion European market

Meet the new EMC requirements for European marketing today

What is the new European Community? What is EC-92?

Twelve European countries (soon to be nineteen) have united to form a single common market called the European Community (EC). Their new EMC, safety and other marketing requirements are called EC-92. Early in 1992 all products that meet the EC-92's new requirements can display the CE mark and can be sold in any of the twelve countries. Do not be fooled by the fact that individual countries may allow products to be imported without the CE mark until January 1996. There is an implication that products with the CE mark are of higher quality, so don't let potential customers think your product is lacking in quality because it does not carry the CE mark.

Why is it important to give the new requirements immediate attention?

Because of the uncertainty of the actual date when all requirements will be in place, D.L.S. recommends you meet the proposed EC-92 EMC regulations along with the present German requirements. This will allow you a marketing advantage as you will be able to sell your product immediately in Germany, and as soon as the EC has everything in place you will be ready to sell your product in all twelve European countries without having to individually meet each country's requirements. Japanese & European companies are getting ready now so they can put the CE mark on their product as soon as allowed. The U.S. Department of Commerce is concerned that American companies will be at a disadvantage if their product does not carry the CE mark.

Now is the time to get your product ready for EC-92 by bringing it to D.L.S. for EMC testing. D.L.S. is a recognized laboratory for the German TUV Rheinland witness testing. D.L.S.'s affiliation with TUV gives you a one-stop organization to meet all your European marketing needs.

How do I meet the new requirements?

Bring your product to D.L.S. today where it will be tested at our new 10 meter open field site. We have the necessary equipment to perform EC-92 EMC tests, and we will assist you in meeting other EC-92 requirements, such as product safety through TUV Rheinland.

Call today for additional information. Ask for Arnie, Paul or Don. We look forward to helping you meet your EC-92 goals.

IEEE



CHICAGO SECTION

VQA International Parameter Symposium '92
The 100th Anniversary Year

ASCE-IEEE-PMI present PROJECT MANAGEMENT MIDWEST '92

During spring, American Society of Civil Engineers asked IEEE to cosponsor a management conference during 1992. ASCE sponsorship brings facilities, construction and civil works expertise. This joint concept for Project Management Midwest '92 (PMM '92) stems from the 1990 Joint Rail Conference held in Chicago. Major planning is completed.

IEEE Programs teamed our Conference, Special Events and Finance committees with IEEE Management Society for this event. The PMM '92 Joint Administration Committee includes 22 member representatives; the Advisory has 9 officers; and the Task Support Staff is 7 at present.

PMM '92 Marketing Committee is placing announcements and/or articles in IEEE SPECTRUM, IEEE Management Society publications, CIVIL ENGINEERING, Journal of Management in Engineering and other publications.

PMM '92 is May 7-9, 1992 at the Drake Hotel, Chicago. Titled "Managing Change", it will include 25 vendor booths, 30 Technical / Managerial sessions, 7 Vendor Presentation sessions and 8 Instruction sessions for PMI's certification examination on Saturday. Seven topic tracts include:

- * Delay, Disruption and Change
- * Quality and Reliability * Managing Information
- * Governmental Related Business * Vendor Presentations
- * International and Global Markets * Educational Programs

Vendors have committed and are committing for booth sponsorship and presentations. Speakers have been approached and are being approached. There are 33 subject titles/speakers for 30 T/M sessions at this writing.

To sponsor a booth, vendor presentation, break table:	To make a presentation or chair a presentation session:
George Stout Tom Monte	Hugh Edfors Margaret Greenberg
708-827-8509 708-349-3300	708-369-8038 312-322-6164

Anyone in Region 4 is invited to join Joint Administration Committee or Task Support Staff to achieve success for this special 1992 VQA Centennial event.

BOB CAMILLONE
Program Chairman
708-349-2790

THE GROWING ROLE OF ELECTRONIC MAIL ("E-MAIL") WITHIN IEEE

Your Chicago Section has been an active participant and contributor in encouraging IEEE members to learn and use e-mail. Some of them have been using within their offices with the aid of their PCs and Macintosh desktop systems; others have made new IEEE friends within the US and abroad, as well as helped our fellow members correct IEEE mailing address discrepancies and non-delivery problems with their publications.

In many cases we have been resolving such problem situations, either by asking them to call IEEE Headquarters at 1-800-678-IEEE for U.S. members; if abroad, a quick e-mail message to our staff there usually gets prompt attention and a quick resolution or explanation, if the incoming message describes the difficulty with sufficient detail. When assisting our members elsewhere, e-mail seems far quicker and more cost-effective than their local mail service (often less reliable and even slower than our own). Apparently many of our foreign members have credit cards suitable for financial transactions with IEEE, rather than separate remittances payable in U.S. currency for membership applications/renewals or individual publications orders. Somehow, many of these foreign remittances arrive entirely separately from the related applications or publication requests; up to now, the physical job of reconciling these unmatched orders has proven to be an especially labor-intensive and error-prone chore for our staff.

The additional advantage of receiving such problem reports via e-mail has served as a major input for our staff in recognizing procedural problems and then devising corrective actions to avoid them in the future. This has become an important contribution from our Section to help diagnose and correct existing procedural problems at IEEE Field Services, an ongoing effort aimed at improving our office work flow, a major *Quality Initiative* occurring right now at the direct request of IEEE's Board of Directors. We do anticipate that all of our member - abroad and in the U.S. - will benefit from this effort, which is also intended to reduce the cost of these very essential Headquarters services.

When a member is connected to IEEE's e-mail gateway in Piscataway (NJ), a number of additional professional benefits become available:

- a member, a Chapter/Section/Region Officer or Committee Chairperson can exchange information with their counterparts at similar entities, as well as with our major IEEE committee members, Staff Directors, Directors, Vice Presidents, President-Elect, and President, in addition to any IEEE member with an established IEEE e-mail address (or "IEEE handle").
- a member with an "IEEE handle" can access the publicly available programs at numerous universities here (and abroad) and at other repositories, and then copy this software for their own use at no charge (but normally with the proper acknowledgment); the range of programs developed as part of their research efforts covers numerous areas of engineering, the social and physical sciences, mathematics, and many other fields.
- such a member may choose to "subscribe" one (or many) netnews groups covering a huge range of topics which range from technical to social areas of interest: periodically posting their own professional resume as part of a job search, reviewing available openings in the academic and industrial world, advertising a house for sale within a given area, announcements of future technical meetings (including those sponsored by IEEE entities or its Standards Department) and their "Calls for Papers", invitations to submit papers for a planned special issue of an IEEE publication, hobbies and avocations, etc.
- a member may invite others to join in forming some new "netnews" group to satisfy a professional interest not served by an existing group.

IEEE recently published a short e-mail guide which offers some basic rules for using the facility and how to request an "IEEE handle". Your PC or Macintosh, a modem, and some simple software (either purchased or free), some basic instructions, a local network gateway, and some sound advice from your Section's local e-mail experts (or from their counterparts among your friends or at your office) can open this door to IEEE's e-mail facilities (and to the other capabilities cited earlier). So if you are interested in "embarking on this new adventure", call me at (708) 505-9100, X277 so we can help you get started.

Joe Feitler (Internet: j.feitler@ieee.org)

E-mail Coordinator for Region 4

member of the e-mail Committee of IEEE Regional Activities Board (RAB)

member of the IEEE RAB Committee on Section-Chapter Support

To: All IEEE Members

From: Mary S. Hart
Student Activities

I would like to introduce Julie Morrow of Commonwealth Edison as the vice-chair for Student Activities. Julie will be coordinating the Discover E program for the 1991-1992 school year. We still very much need volunteers for this rewarding project.

Also, we would like to encourage our female engineers to participate in a program to assist the Chicago area Girl Scouts. We need women to present the Discover E program and serve as role models.

If you are interested in volunteering for either Discover E project, please contact Julie at 312 294-2854.

Student Activities is designing a new program to assist students in obtaining internships or summer employment. If you would like information or would like to offer assistance, please call me at 312 294-7784.

Thank you for your support!!

A PREVIEW OF OUR SECTION'S SPECIAL PLANS FOR 1992

"HAPPY BIRTHDAY to us!"

The Chicago Section will celebrate its 100th birthday in 1992 since it was founded by the AIEE (American Institute of Electrical Engineers); the IRE (Institute of Radio Engineers) and the AIEE merged to create IEEE in 1962.

ENGINEER'S WEEK CELEBRATION AT IIT-WEST - FEB 21 and 22, 1992

As in prior years, we will be co-sponsoring and participating in this annual event to attract Junior High and High School students to careers in science, technology, engineering, mathematics. Bring your families and friends on Saturday after pre-registering at IIT-West just northeast of the Danada-East shopping center in Wheaton.

Our Section members are invited to volunteer as hosts and to staff our IEEE table.

MANAGING CHANGE - PROJECT MANAGEMENT 1992 SPRING SYMPOSIUM - MAY 7 - 9, 1992

The IEEE Chicago Section and its Engineering Management/Professional Communications Chapter, the Project Management Institute (Midwest Chapter), and the American Society of Civil Engineers (ASCE's Illinois Section) are finalizing the plans for this Symposium at the Drake Hotel in Chicago on May 7 - 9, 1992. This event will feature several exhibits, a multi-track series of professional presentations, keynote speaker(s), and more - we are at the final planning stages as of October 1991. So keep your eye on us.

1992 RECOGNITION DINNER FOR CHICAGO SECTION - MAY 2, 1992

The 1992 Chicago Section Recognition Dinner will be held at the Arlington-Hilton Hotel next to the Arlington Race Track on May 2, 1992. Our Dinner Committee Chairman Henry Korman and his committee members have been working hard to make this another success, with your help in soliciting industry contributions and tickets. Several local companies will be honored as long-time supporters of our Section, as well as the newly-elected IEEE Fellows, and several outstanding local IEEE Student Chapter members. Keep watching for more details.

Joe Feitler (Associate Editor and occasional reporter)

IEEE CHICAGO SECTION – PLACEMENT SERVICE APPLICATION FORM

Prospective employers will receive the information on this form on request unless marked "CONFIDENTIAL" at the top of this form. Please notify us immediately if you accept employment to leave space for other search ads.

Each search ad will run in two consecutive monthly SCANFAX issues (not published during July and August). The submission deadlines for all imminent SCANFAX issues are listed elsewhere in this issue of SCANFAX. The number of search ads per issue may be limited by space constraints.

(please print)

Name _____ IEEE No. _____ Expir. Date _____

Address _____ IEEE Grade _____

City/State/ZIP _____ Phone (____) _____

Instructions

To better serve our membership, each submission should adhere to the following:

1. Identify educational qualifications, position being sought, professional experience, and pertinent qualifications,
2. Use industry standard acronyms and abbreviations,
3. Limit your text to the 99 spaces provided.

[illegible]

The IEEE and its Chicago Section waive any responsibility in determining the credibility, accuracy, or qualifications of applicants or employers.

IEEE Placement Service
c/o Robert A. Schrage
Commonwealth Edison Co.
P.O. Box 767 - SEED 836E
Chicago, IL 60690

IEEE CHICAGO SECTION – SCANFAX PLACEMENT SERVICE

The Chicago Section operates a free placement service for its *unemployed* members currently at the Member Grade and above. If you want to contact any of the applicants listed below about a potential opening, you can get the name and phone number by calling our office at 708-963-3828 during business hours.

(If marked "confidential", our office will inform this applicant about the prospective employer's inquiry).

No.	Description
-----	-------------

- 247 MS with 25 years of management experience in R&D, project control, new products. Excellent track record.
- 248 Plant manager with engineering background. Problem solver. SPC, MRP, JIT, Quality Circle.
- 249 BSEE - UIUC - Interested in Communications - telephone, RF, DSP/computers - C, UNIX/Electronics - Digital, HW.
- 250 BSEE Hardware/software, Electronic/Electrical, Telecommunications designer, PE License.
- 251 Manager - GM - Engineering. Multiprojects business operations P/L responsibility. Product development and planning.
- 252 MSEE - Optics - seeks research/design position. Familiar with fiber optics, infrared design and lasers.
- 253 SW Engineer with 12 + years experience - Realtime, C, PL/M, Assem, etc. CASE, VAX/VMS, Sys Mgmt, 6+ years project management/supervision.
- 254 MSEE - seeks international marketing opportunity. Experience with business and education. Multilingual.
- 255 BSEE - Mfg/Quality engineer - PCB & Thick film hybrid assembly: test automation. SPC & DOE, CQE.
- 256 MSEE - 20+ years experience, 27 patents, 7 papers. digital, microcomputer, and management.



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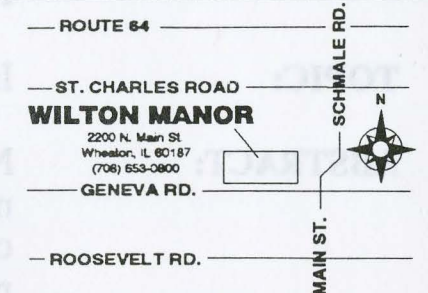


FOX VALLEY SUBSECTION

in a Joint Meeting with

**INDUSTRY APPLICATION SOCIETY
and POWER ELECTRONICS SOCIETY**

TOPIC:	Lighting Energy Efficiency Challenges of the 1990's		
DATE:	Tuesday, December 3rd, 1991		
SPEAKER:	Howard Wolfman, Motorola		
PLACE:	Wilton Manor, 2200 N. Main St., Wheaton, IL 60187		
TIME/COST:	Social:	6:00 p.m.	Cash Bar
	Dinner:	7:00 p.m.	\$13.00
	Students with ID:		\$11.00
	Speaker:	8:00 p.m.	Free*



RESERVATIONS: Call (708) 963-3828 to make reservations for Dinner and/or Meeting, **by Friday, November 29, 1991.**

TECHNICAL QUESTIONS: Direct questions about topic or speaker to Channing Brown at (708) 260-9631.

ABSTRACT: The decade of the 1990's will be one of relatively constant electrical energy supply while the demand is ever increasing. A major contributor to heading off an electrical energy shortage will be to make use of energy efficient lighting products which exist in today's technology. In addition, power quality is undergoing degradation caused by the user community. It is desirable to accomplish this energy conservation while improving both power quality and lighting quality. The presentation will cover energy conservation thru lighting while positively addressing power quality and lighting quality.

ABOUT OUR SPEAKER: Mr. Wolfman is past Chairman of IEEE Chicago Section, past IEEE Region 4 Director, and is Manager of Industry Standards and Regulations for Motorola Lighting.

* Note: While the meeting is free, recognize that the room is subsidized by the cost of the dinners. Attending the dinner helps to support our continued offering of interesting meetings.

LETTER TO CHICAGO SECTION MEMBERS

Your participation continues to support IEEE Chicago events. In spring, IEEE sponsored and related offerings increases.

The National Design Engineering Conference comes to McCormick Place in early April. The American Power Conference follows on April 13-15 at Hyatt Regency-Chicago.

Then PROJECT MANAGEMENT MIDWEST '92 is May 7-9, 1992 at The DRAKE, Chicago as described in this SCANFAX. This symposium will have midwest regional scope and intensify our VQA 1992 centennial.

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POWER ENGINEERING SOCIETY



SPEAKER: Mr. George Milligan
Principal Engineer
Fluor Daniel, Inc.

TOPIC: Inherently Safe Nuclear Reactors

ABSTRACT: Nuclear plant suppliers are developing "inherently safe nuclear reactors" to reduce design, construction, and operating costs of smaller nuclear units. These reactors are scheduled to receive design certification during the mid 1990s.

BACKGROUND: George Milligan is currently a Principal Engineer at Fluor Daniel. He has twenty years of experience in the nuclear industry and has been monitoring progress toward development of advanced nuclear plants for the past two years. He has B.S. and M.S. degrees in electrical engineering.

PLACE: Chicago Bar Association
321 S. Plymouth Court

DATE: December 11, 1991

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

Reservations must be made by noon Monday December 9, 1991 by calling 708-963-3828. Please leave name(s) and company name. Lunch is \$6.50.

CONGRATULATIONS TO THESE WHO HAVE ADVANCED FROM SENIOR TO LIFE SENIOR

ALLEN, R.F.	CHABALA, L.V.	COOPER, J.R.	GUNTER Jr, L.
KORN Jr, H.	LIEPINS, HUGO	NEUMAN, WERNER E.	SANDELL, D.H.
SCHMUNK, E.W.	TURNER, A.	UPTON Jr, E.C.	WHITING, H.E.

WE WILL REPORT ADDITIONAL MEMBER AND LIFE MEMBER ADVANCEMENTS NEXT MONTH