



Scanfax

Official Publication of the Chicago Section • Institute of Electrical & Electronic Engineers • MARCH 1995

FOX VALLEY SUBSECTION with COMMUNICATIONS SOCIETY and COMPUTER SOCIETY

HOSTS A DINNER PROGRAM

EXPLORING THE INTERNET

AND THE

WORLD WIDE WEB

Presented by Guy Starner of AT&T

Wednesday, March 22, 1995

ABOUT OUR TOPIC

Everyone seems to be "discovering" the Internet these days. National media are advertising the wonders available on it; companies are scrambling to register their own domain names and establish a presence in "The Web". Traditional on-line services are providing their access to the Internet. Microsoft and IBM are bundling Internet software with their Operating Systems.

So what's all the fuss about? What is the Internet and what does Mosaic, the "killer application" of the Internet do?

This talk will have the answers for you! Guy will briefly describe the Internet and the services it provides. One of the services, the World Wide Web (WWW or simply the Web), will be covered in detail. The Web is a distributed, hypermedia system which may be browsed by tools such as Mosaic. Web browsers provide a simple and attractive way to access most of the Internet services. You will also learn how one can obtain personal access to the Internet.

The talk will be followed by a PC-based demonstration of another browser called Netscape.

Guy Starner is a Member of Technical Staff at AT&T Bell Laboratories. He has actively used the Internet for the last ten years and has administered an internal AT&T Web Server for the last year.

PLACE

Jerry Sharko's
2225 Ogden Ave.
Lisle, IL

TIME

Social 6:00 PM
Dinner 7:00 PM
Presentation 8:00 PM

FOR MORE INFORMATION

Contact Arup Bhuyan at (708) 713-7759.

NOTES

Call the IEEE Business Office at (800) 898-IEEE to make your reservation. Dinner costs \$15.00 per person and the presentation is free. Dinner menu includes Garden Salad, Dinner Rolls, Family Style Entree (Beef, Pasta, Orange Roughy), Coffee, and Dessert. During the Social from 6:30 to 7:00 PM, you can enjoy complimentary bar beverages. Dietary and vegetarian meals can be requested when you make your reservation.



Mosaic Browser of IEEE Home Page

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Submit articles to Editor. Articles for May '95 Scanfax due March 30. Articles for June '95 Scanfax due April 27.

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office.

**Candidates for Officers of the Executive
Committee for 1995 - 1996 Term**

Ballots for the annual election of the Chicago Section will be included in the April Issue of Scanfax. The Nominating Committee offers the following candidates:

Chair**Jack Sherman**
Vice-Chair.....**Tom Jurgens**
Treasurer.....**Jim Carroll**
Secretary.....**Irwin Smiley**
Awards.....**Carl Kannewurf**
Conferences
Finance.....**Don Reynolds**
Member Services.....**Majid Zargar**
Professional Activities.....**John Waters**
Program**Don Harris**
Publications**Marty Lake**
State Government Activities**Bert Orszula**
Special Events.....**Frank Lakowski**
Student Activities**Betty Bajana**

As you can see there is no candidate for Conference Committee. If you would like to be a candidate for this position, please contact the Chicago Section Business Office at (800) 898-IEEE.

Anyone wishing to appear on the ballot as a candidate must submit a petition signed by at least ten current members.

IT'S NOT MAGIC!

If you have attended Fox Valley Subsection dinner meetings and have been impressed by the timeliness of the topics, the quality of presenters and the enjoyable meals, you must know that it doesn't happen by magic.

The volunteer officers and committee members work throughout the year to provide Fox Valley IEEE members with a first-rate technical program in a setting that allows for networking and information sharing.

The Fox Valley "season" begins in late spring, when we begin to plan the 1995-96 calendar, collect meeting ideas from our membership and cut a first draft of potential topics. Over the summer, we work individually and collectively to firm up dates and speakers, so that by September we can publish our annual calendar. Then, from October through the following May, we manage our slate of meetings, assuring that we have all the details in place so you can get maximum benefit from your time attending.

A successful Fox Valley season consists of dedicated volunteers each playing her/his part to produce the overall ensemble. We have numerous parts, most requiring 1-2 hours/month effort, to fill. Each year our current volunteers advance to new roles, with some choosing to serve formally as officers, others preferring to "fill-in" where ever the need is greatest, while still others graduate to roles in the greater IEEE Chicago Section. Each year, we need new players to fill empty chairs. No one job is difficult, but each one filled makes it easier on the entire team.

Please seriously consider helping out this year, and become an ongoing part of a 30+ year tradition in promoting engineering excellence in the Fox Valley area. Remember: a little bit helps a lot, and you will feel proud to contribute to your fellow IEEE colleagues.

To volunteer, contact Dave Schumacher at (708) 224-6471, leaving a message if necessary. And thank you for your continued support.
— Your Fox Valley Subsection Team

CHAIR'S CORNER

Dear Member,

The Recognition Dinner is scheduled for April 29th at the Starlight Inn. Get a table of your associates together and plan on attending.

Congratulations to Barry Brusso, Past Chicago Section Chair and recently elected president of the Industry Applications Society. Barry, good luck in taking on this large task, we know you are up to the challenge.

Jim Fancher, Director of Region 4, chaired the Regional Executive and Regional Committee meetings on January 20-22 at the O'Hare Marriott. A regional section officers workshop for our area is being planned for this September. Sections Congress '96 is scheduled for late fall 1996 in Denver. Region 4 Outstanding Member Award, a new Region 4 award was approved at this meeting. Applications for this award are available from Dennis Lamont, Region 4 Awards Chair, (708) 398-4510. Completed applications must be submitted by December 1 of each year.

We tried to hold a Job Seekers Workshop in conjunction with the February 7th Job Fair. However, we only had a handful of people show any interest. We will consider holding a job search workshop in the future if we get a strong indication that the membership is interested. If you have an interest, please contact John Waters at (708) 392-2733 or our IEEE Business Office at (800) 898-4333.

Ed Capouch — Chicago Section IEEE Chair
E-mail e.capouch@ieee.org

**Student Professional Awareness Conference-
Preparing Engineering Students for the Future**

Student members of IEEE's Student Branches at DeVry Institute of Technology - Chicago, the Illinois Institute of Technology, Northwestern University, and the University of Illinois at Chicago are organizing a Student Professional Awareness Conference or S-PAC. S-PAC's are designed to prepare engineering students for the future.

An S-PAC is conducted to offer advice on making the transition from school to career, to provide counsel on long-range career planning, and to explore the nontechnical subjects that affect engineer's careers. For example, such topics like the importance of communication and people skills, large versus small company employment considerations, and how to deal with stress on the job might be addressed by speakers who are experienced engineers at the conference.

This S-PAC is scheduled to be held at Northwestern University on April 15, 1995. More Information about this S-PAC will be provided in the next issue of Scanfax. For questions related to this S-PAC, please contact the S-PAC Planning Committee.

Jesus Hernandez	S-PAC Chair	hernjes@minna.acc.iit.edu
Emma Duque	Program Chair	duquemm@minna.acc.iit.edu
Ellen Fong	Facility Chair	fongek@casbak.acns.nwu.edu
Les Bogdanowicz	Finance Chair	u12494@uicvm.uic.edu
Richard Lam	Publicity Chair	lamrich@minna.acc.iit.edu

Chicago Section Executive Committee Meeting
Tuesday, March 14th • 7:15 PM
DeVry • 1221 N. Swift Rd • Addison, IL

• • PLEASE POST – INVITE YOUR FRIENDS AND BUSINESS ASSOCIATES

IEEE RECOGNITION DINNER – 1995

DATE: SATURDAY, APRIL 29TH 1995
PLACE: STARLIGHT INN
9950 LAWRENCE AVENUE
(NEAR MANNHEIM ROAD JUST OPPOSITE O'HARE AIRPORT)
SCHILLER PARK, IL

TIME: 6:00 PM – COCKTAILS & HORS D'OEUVRES
7:00 PM – DINNER, FOLLOWED BY PROGRAM

TICKETS: DONATION – \$30.00 PER PERSON

PRESENTATION OF AWARDS BY THE CHICAGO SECTION

1995 IEEE Fellow Award	Dr. Iwona Turlik	Motorola, Inc.
1994 Region 4 Outstanding Engineer Award	Dr. Ronald Nordin	AT&T Bell Labs
1995 Student Awards (Names to be announced)	1995 Student Advisor Awards (Names to be announced)	
1995 Section Awards to Industry Supporters DeVry Institute of Technology — DuPage Campus Sargent & Lundy, Engineers Storm Products		

1995 Section Chairman's Award (Name to be announced)

THE SOCIAL SCENE

ENTERTAINMENT Stu Olson – *Comedian-at-Law*

DANCING Frank "K" and Company to offer their smooth rhythms and melodic lyrics to suit your personal dancing pleasure

1995 RECOGNITION DINNER COMMITTEE MEMBERS

Chairman	Frank Lakowski
Vice Chairman & Treasurer	John Waters, Waters Associates, Consultants
Secretary	Norbert R. Orszula, PE
Arrangements	Gene Golemo, Motorola, Inc.
Publicity & Tickets	Joseph Feitler, J. Feitler & Associates, Inc.
Solicitations	Sheldon Isenberg, Northrop Grumman Corp, (Chairman)
	Betty Bajana, Unicom Corp. (previously Commonwealth Edison)
	Kevin Owens, Zenith Controls

PLEASE ORDER YOUR TICKETS (at \$30.00 per person)
Checks should be payable to "IEEE Recognition Dinner"

- By mail – Joe Feitler, P.O. Box 5072, River Forest, IL 60305 (no later than April 21, 1995)
- By phone – Joe Feitler at (708) 383-8773 (No later than April 24, 1995)
- Please tell us about your groups – We will have tables seating 10 people
- You may request a fish or vegetarian dinner no later than April 24, 1995

ILLINOIS INSTITUTE OF TECHNOLOGY IIT

ANNOUNCES A SPECIALIZED COMPUTER SCIENCE MASTERS DEGREE IN SOFTWARE ENGINEERING

A new program has been initiated with both semester length and short courses, to address the needs of the working professional. The program is based on the Software Engineering Institute model, with course projects and laboratories that offer hands-on experience in all life cycle phases. A sampling of life cycle coverage is shown below.

<u>Life Cycle Phase</u>	<u>Course Title</u>
Analysis/Design	Software Systems Architecture, Object-Oriented Modeling and Design
Coding	Advanced Software Eng. Development, Object Oriented Programming
Test	Software Testing and Quality Assurance
Maintenance	Software Maintenance
Measurement	Software Metrics
Project Management	Programming Project Management
Tools	CASE Tools

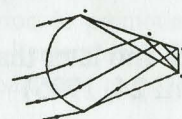
Students can take courses on the Main Campus in Chicago, the Rice Campus in Wheaton, and through our distance learning facility, IITV. **For more information call:**
Ilene Burnstein, 312-567-5155 or Bogdan Korel, 312-567-5145.

NiOptics is a progressive entrepreneurial high-technology company located in Evanston, Illinois. We are presently using our proprietary non-imaging optics technology to design high-efficiency illumination devices for consumer electronic products. We are particularly interested in candidates who will be excited about developing our innovative technology for immediate use in these fast-moving markets. Our rapid growth has led to the creation of the following position:

Research Engineer needed for constructing and implementing novel, sophisticated optical measurements and prototype characterization techniques. This individual will also take initiative in building and maintaining the Group's instrumentation base. This includes designing and constructing precision measurement apparatus, writing complex interfacing and data analysis programs, and specifying and recommending large instrumentation purchases. The ideal candidate should have a minimum M.S. or equivalent in Optics, Physics, or Electrical Engineering, with at least 4-5 years research experience. Some optics experience is preferred. Experience and interest in a broad range of technologies is essential. Salary in mid-to-high 40's.

The position is located at our corporate headquarters in the Northwestern University/Evanston Research Park area. We offer an aggressive package including a 401k Plan and Flexible Spending Account. Our incredible growth and success make this an ideal time to join NiOptics.

Please send or fax your resume to:



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1801 Maple Avenue
Evanston, Illinois 60201
FAX: 708-467-1244

RELIABILITY SOCIETY with ASQC Chicago Section, Systems, Man, and Cybernetics Society, Engineering Management and Professional Communications Society, Industry Applications/Industrial Electronics Society, and Fox Valley Subsection

HOSTS A JOINT DINNER PROGRAM

PROCESS RELIABILITY IMPROVEMENT

Presented by Dr. Carl Talbott

Tuesday, March 7, 1995

ABOUT OUR TOPIC

A Reliability Manager for a confectionery firm in the Chicago area, Carl is actively involved with reliability improvement of continuous manufacturing processes. His talk will include predictive maintenance, equipment quality improvement, and academic R & D.

ABOUT OUR SPEAKER

After receiving his D. Sc. in Operations Research, Carl went on active duty with the U.S. Air Force where he worked on reliability improvement of aerospace systems.

PLACE

Jerry Sharko's
2225 Olden Ave.
Lisle, IL

TIME

Social 6:00 PM
Dinner 7:00 PM
Presentation 8:00 PM

NOTES

Call the IEEE Message Center (800) 898-IEEE to make your reservation. Dinner will cost \$15.00 per person and will include Chicken Marsala, Caesar Salad, Dinner Rolls, Coffee, and Dessert. Complimentary beverages will be available from 6:30 to 7:00 PM. Dietary and vegetarian meals can be requested when making your reservation.

FOR MORE INFORMATION

Contact Ed Walbridge at (708) 445-0117.

EMC SOCIETY

HOSTS AN EVENING PROGRAM

TEST CHAMBERS: EMISSION AND IMMUNITY

Presented by David Seabury of IBEX Group, Inc.

Wednesday, March 15, 1995

ABOUT OUR TOPIC

David will speak to the IEEE EMC Society about test chambers and how they relate to ANSI C63.4, IEC 801-3 and Mil Std. 461D. One, three and ten meter test distances will be discussed. An extended discussion on immunity chambers using FFG grid, layered tile and hybrid rooms will be given.

PLACE

AT&T Bell Laboratories
2000 N. Naperville Road
Naperville, IL

TIME

Social 7:15 PM
Presentation 7:30 PM

NOTES

For reservations and directions, please call the IEEE Chicago Business Office at (800) 898-IEEE.

CALUMET CHAPTER OF THE INDUSTRIAL APPLICATIONS SOCIETY, Calumet Section, and Chicago Chapter of the Power Engineering Society

HOST A JOINT DINNER PROGRAM
25th Anniversary of the Calumet Section

EMERGING TECHNOLOGIES

Presented by James Fancher

Wednesday, March 15, 1995

ABOUT OUR TOPIC

Jim's topic "Emerging Technologies" will focus on computer systems, cellular systems, and some power issues. Jim will be available to answer any questions and to talk one on one before and after the meeting. We are fortunate to have one of our leaders who is so deeply involved in charting the course of electrical and electronics technology.

ABOUT OUR SPEAKER

Jim Fancher is the Director of Region 4 of the IEEE. As director, Jim is the representative for both the Calumet Section and the Chicago Section at the national level of the IEEE. He sits on the Board of Directors of the IEEE, U.S. Activities Board, and the Regional Activities Board. At the beginning of dinner, he will speak a few minutes on the "State of the IEEE" as he will have just returned from meetings with the various IEEE Boards.

PLACE

Gino's Steak House
East 163rd and Wallace
Harvey, IL

TIME

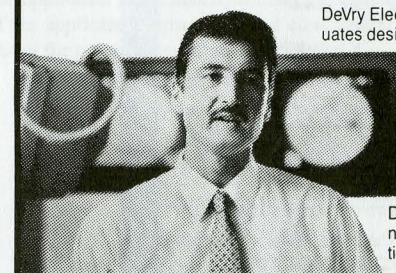
Social 5:30 PM
Dinner 6:30 PM
Presentation 7:30 PM

NOTES

For reservations, please call (708) 339-6810 by Monday, March 13th at 5:00 PM and leave your name and company affiliation. Dinner will be ordered off the menu. Member cost will be \$10.00 to \$30.00 per person, Student Members \$4.00 to \$12.00

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Kevin Hippensteel, GE Medical Systems, 1985 DeVry Graduate



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(708) 953-1300

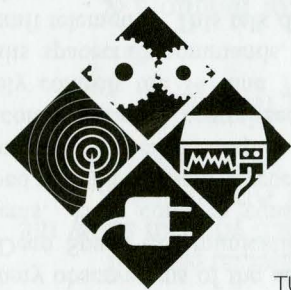
- Chicago Section Recognition Dinner
 - Awareness Conference
 - Student Professional
 - World Wide Web
 - Exploring Internet and the
 - Commercial & Industrial Facilities
 - Lightning Protection for
 - Space Network Antennas
 - Evolution of the Large Deep
 - Emerging Technologies
 - Emission & Immunity
 - Test Chambers:
 - Process Reliability
 - Improvement
- In This Issue:*

MARCH 1995



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EUROPEAN CONFORMITY SEMINARS



TUV Rheinland's seminars have been very successful, attracting over 750 attendees in 1994. Two one-day seminars and a half-day machinery workshop are scheduled in 1995 to help manufacturers and exporters comply with the European Community (EC) directives, standards and regulations. TUV Rheinland will present information on European Product Safety, EMC, Machinery, and Medical Directives.

WHO SHOULD ATTEND

- Product Safety and EMC Engineers
- Design Engineers and Managers
- Reliability and Standards Personnel
- Marketing Managers
- Test Engineers/Technicians
- R & D Engineers
- Manufacturing Personnel

- Product Safety
- EMC
- Medical
- Machinery

SAFETY/EMC SEMINAR:

9:00 am - 4:00 pm
Cost: \$195 pp

SAFETY/EMC SEMINAR:

9:00 am - 4:00 pm (1st day) and,
MACHINERY WORKSHOP:
9:00 am - 12:30 pm (2nd day)
Cost: \$270 pp (for both days)

MEDICAL SEMINAR:

9:00 am - 4:00 pm
Cost: \$195 pp

1995 Dates & Locations	Safety/EMC Seminar	Machinery Workshop	Medical Seminar
Minneapolis, MN	Apr 19	Apr 20	Apr 20
Charlotte, NC	May 30	May 31	May 31
Newark, NJ	June 1	n/a	June 2
Chicago, IL	July 12	July 13	July 13
Cleveland, OH	Sept 13	Sept 14	Sept 14
Milwaukee, WI	Oct 24	Oct 25	n/a



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