IEEE NORTH JERSEY SECTION SEMINAR INTERNET USERS

TUESDAYS, FEBRUARY 20, 1996 - MARCH 26, 1996 JERSEY CENTRAL POWER & LIGHT CO. 300 MADISON AVENUE MORRISTOWN, NEW JERSEY

The North Jersey Section is offering an evening course entitled "Internet Users." The Internet is becoming increasingly popular to people and businesses alike. The role of personal computers in our society is changing from a means to increase personal productivity to a means of conveying and assimilating information. This information is being made available by the growth of the internet. This course will cover some of the underlying principles that allow the internet to operate, as well as the practical knowledge of how to use the required software to get connected and begin using the information resources the internet has to offer.

Students interested in taking this course should be computer literate, have access to an IBM compatible personal computer with at least a 9600 baud modem and be willing to subscribe to an internet access provider (most of the course material will be applicable to Macintosh users, however, the software requirements will differ). The course includes a suite of internet software products (SPRY's Internet in a Box) including a special edition textbook. The Whole Internet Users Guide by Ed Krol. The instructor will be Steven Morisse, an author and instructor of courses on internet usage.

There will be five weekly lectures and homework projects will be assigned and discussed in class. The topics listed below will be covered.

- The background and history of the internet. Who is responsible for administration of the internet? Who pays to maintain and improve the internet? What is the future of the internet?
- How does the internet work? Including TCP/IP networking theory, the Domain Name System (DNS), Client/Server model and an introduction to common internet application software.
- 3) How do you get connected to the internet? Including the types of internet accounts available and a decision of on-line services. How to choose an internet access provider.
- 4) How to select, configure and use the software required including FTP, TELNET, EMAIL, USENET NEWS, GOPHER and World Wide Web browsers.
- Using the World Wide Web and how to find information. Introduction to Hypertext Markup Language (HTML) and how to create your own Web Documents.

Class size will be limited to a maximum of 25 with a minimum of 15. Early registration is recommended. Phone reservations will NOT be accepted. Reservations accepted after February 9, 1996 will require an additional late fee of \$25. No reservations will be accepted after February 16, 1996.

WHERE:

Jersey Central Power & Light Co., 300 Madison Avenue, Morristown, N.J.

WHEN:

Five sessions, Tuesday evenings starting February 20, 1996, 6:30 PM to 9:00 PM

COST:

With text book only: IEEE Members \$200; Non-IEEE Members \$300

CONTACT:

Mr. John Baka at (201) 455-8534 (business)

REGISTRATION "INTERNET USERS"

To: Mr. John Baka, Distr	Mr. John Baka, Distribution Engineering, JCP&L Co., 300 Madison Avenue, Morristown, NJ 07962-191		
Name	IEE	E No	
Affiliation No.	Phone Number		
Address			
Please enclose required fee p	ayable to North Jersey Section IEEE		
Signature			



PUBLICATION OF THE NORTH JERSEY SECTION OF THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS

North Jersey Section PACE:

AEA VP To Discuss Free Overtime

The January 11, 1996 IEEE North Jersey Section PACE meeting will cover the subject of Free Overtime for engineers. The guest speaker will be Richard F. Tax, vice president of the American Engineering Association and past editor of the North Jersey Section PACE NEWS column.

About The Talk

Richard will provide information about the AEA and discuss the abuses of free overtime and how the engineer should deal with the situation. This meeting is important for engineers who are concerned about their engineering career and provides them with the opportunity to combine their efforts.

About The Speaker

Richard Tax is a graduate of Fairleigh Dickinson University with a BSEE degree and is a Senior Member of the IEEE. He has more than 25 years of experience in the engineering field. Richard is the recipient of six IEEE awards for leadership including the IEEE Centennial Medal and the IEEE-USAB Citation of Honor.

He has been active in the IEEE since 1974. Richard was Chairman of the North Jersey Section from 1985 through 1986 and was our past PACE chairman. He served as a member of the IEEE—USA's Manpower Committee and wrote IEEE's Entity Position Statement "Enhancing U.S. Productivity Through Improved Utilization of Engineers." In 1987 he chaired the 20,000 member, Metropolitan Sections Activities Council (METSAC) that consists of the Long Island, New York, North Jersey, Princeton and, just recently included, Jersey Coast IEEE Sections.

All IEEE members and guests are invited to attend.

Time: 7:30 PM, Thursday, January 11, 1996

Place: JCP&L Co., 300 Madison Ave., Morristown, N.J.

Further Information: Robert Sinusas

(201) 228-3941.

NJ Computer Chapter:

IEEE Plan For Internet Access

On January 18, 1996, the IEEE NJ Computer Chapter will present a talk on "IEEE Plan For Internet Access." The speaker will be Thomas Brisco.

About The Talk

The IEEE, working with volunteer members, has identified the need for cost effective network access for IEEE member communication, permitting Memberto-Member communication, as well as allowing the dissemination of IEEE information to members and customers. In an attempt to address these identified needs, the IEEE proceeded to investigate the feasibility of offering our members such a new service. In recognition of the sensitivity to costs, the IEEE is striving to meet the challenge of providing a broad array of services, while maintaining a competitive price. The presentation will cover the options considered, and tradeoffs made in considering a variety of vendors for this project.

About The Speaker

Thomas P. Brisco, Director of Operations and Electronic Communication, IEEE Information Services, heads the two functionally differing departments, combined within the IS umbrella. Within

Operations, he is responsible for the production database systems, Help Desk, PBX and Voice Systems, Networking, and PC support. Within Electronic Communications, he is responsible for the direction and articulation of electronic services in support of the IEEE Membership and customer base.

Prior to joining IEEE, Brisco was Associate Director for Telecommunications at Rutgers University, where he provided leadership for the University in the development and implementation of data communications goals for research, instruction, service, and administration.

Mr. Brisco dedicates much of his spare time assisting New Jersey State Agencies and Educational Institutions in developing and implementing networking strategies. He also participates on internet technical committees and holds a Bachelor's Degree in Computer Science from Rutgers University.

All Welcome

You do not need to be an IEEE member to attend. Please bring your friends.

Time: 7:30 PM, Thursday, January 18, 1996

Place: JCP&L, Test Room, 300 Madison Ave., Morristown, N.J.

Information/Pre-Meeting Dinner: Howard Leach (201) 540-1283 (H), or (201) 393-5000, ext. 3754 (W).

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NEWSLETTER STAFF

Editor		
Business Manager	A.M.	Beattie

Deadline for receipt of material is the 1st of the month preceding the month of publication. All communications concerning editorial and business matters, including advertising, should be addressed to: The IEEE Newsletter, c/o Girard Associates, Inc., 6 Robert Terrace, P.O. Box 455, Mt. Arlington, N.J. 07856 (201) 398-5524.

IEEE North Jersey Bulletin Board System:

0 TO 9600 baud, 8 bits, no parity, 1 stop bit, BBS phone number 201 669-8268, or call 908 782-3522.

(Courtesy of United Societies of Engineering & Science of NJ, Inc.)

REPORT ADDRESS CHANGES TO:

IEEE Service Center, 445 Hoes Lane, P.O. Box 1331, Piscataway, NJ 08854-1331, (908) 981-0060.

It is not necessary to inform the North Jersey Section when you change your mailing address. "The IEEE Newsletter" and other section mailings use a list provided by IEEE's national headquarters in New York. This means the Section has no need to maintain a mailing list or addressing plates. Section membership records are changed when Headquarters notifies us.

SECTION OFFICERS

Chairman	Vittal Rebbapragada
	(201) 460-6327
Vice-Chairman-1	Arthur Greenberg
	(201) 492-1207
Vice-Chairman-2	Melvin Lewis
	(914) 968-2500, ext. 2304
	m.lewis@ieee.org
Treasurer	Dr. Fred Chicheste
	(201) 744-7340
Secretary	Sergei Bogaenko
·	(201) 785-3673
Members-at-Large:	, ,
Ted Byme	COMPUSERVE 70302.25
Dr. Hiam Grebe	
Amy Rissmeye	er

The North Jersey Section Executive Committee usually meets the first Wednesday (except holidays and December) of each month at 7 PM. These meetings are open to all members. Information on meeting agenda is available from Sergel Bogaenko (201) 785-3673 (H).

AT THE SCHOOLS

NJIT Offers 10-Session Certificate Course On MEMS

NJIT is organizing a Certificate Course on MicroElectroMechanical Systems (MEMS) applications for senior electrical and mechanical engineers in industry.

NJIT's 10-session, MEMS seminar will focus on opportunities to insert MEMS technologies in the next generation of products. This course will cover device design and fabrication, the impact of MEMS on technology and business, and the application of MEMS to electronics products. The course is scheduled to begin on January 30, 1996, from 4 - 6:30 PM, and enrollment is strictly limited.

Participants will receive a Certificate from NJIT upon successful completion of the course. Tuition, which includes instruction materials and cleanroom laboratory fees, is \$280. Continuing education credit is available.

Engineers wishing to participate should send or fax a letter of intent, including current job title and educational background, to Prof. Richard Hatch at NJIT, 3200 Infotech, Newark, NJ 07102; fax: (201) 596-6438.

For further information about this course, please contact Prof. Robert Marcus at (201) 596-8464 or Prof. Richard Hatch at (201) 596-6088.

Wanted! Course Instructors

The North Jersey Section IEEE Education Committee seeks course instructors for Spring IEEE course offerings. Urgently needed are instructors proficient in current programming languages and especially Visual BASIC. Also needed are instructors to teach courses related to Engineers-in-Training exam and Professional Engineering Licensing exam.

If you feel you have expertise in a recent technology or discipline which may have a high demand among our membership but limited sources for formal educational instruction, please contact John Baka at (201) 455-8534. We offer you this opportunity to both support your professional society and receive a modest compensation for your help.

Engineer's Week Celebration

THE ENGINEER AS A LEADER THIS CENTURY AND BEYOND

On February 20, 1996, the Metropolitan Engineering Societies Council is sponsoring, as part of Engineer's Week Celebration, a talk on "The Role Of The Engineer As A Leader In This Century And Beyond." The keynote speaker will be Eugene Fasullo, Chief Engineer (Ret.) of The Port Authority of NY & NJ.

Reservations and Fee are required for meeting and buffet. Return coupon below.

Registration: Advance Fee \$25 per person if Post Marked by February 7, 1996;

\$35 per person if mailed after February 7.

Date: Tuesday, February 20, 1996.
Time: Buffet 5:30 - 7:00 PM.

Program: 7:00 - 9:00 PM

Place: United Engineering Center, 345 E. 47th Street, NYC.

For Additional Information:

j.p.barbera@ieee.org

ENGINEER'S WEEK CELEBRATION February 20, 1996

To: Fred Ebel

M&M Protection Consultants

37th Floor, 1166 Ave. of the Americas, New York, NY 10036

Name (First)	(Last)
Company	Phone No
Address	
Fee Enclosed \$	

Please enclose your check made payable to "Metropolitan Engineering Societies Council"

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North Jersey Section Activities January 1996

Jan. 3—"North Jersey Section Executive Committee Meeting"—7:00 PM, Plant 11, GEC-Marconi, 164 Totowa Road, Totowa, NJ. Sergei Bogaenko (201) 785-3673 (H).

Jan. 11—"AEA VP Discusses Free Overtime"—NJ Section PACE, 7:30 PM, JCP&L Co. 300 Madison Ave. & Punch Bowl Rd., Morristown, NJ. Robert Sinusas (201) 228-3941.

Jan. 18—"IEEE Plan For Internet Access"—IEEE NJ Computer Chapter, 7:30 PM, JCP&L, Test Room, 300 Madison Ave., Morristown, NJ. Howard Leach (201) 540-1283 (H), or (201) 393-5000, ext. 3754 (W).

Jan. 30—"MEMS Technology: Microsensors & Microactuators"—NJIT, 10-Session Certificate Course. Information Technology Center, Newark, NJ. Prof. Robert Marcus (201) 596-8464.

Upcoming Meetings

Feb. 7-"North Jersey Section Executive Committee Meeting"—7:00 PM, Plant 11, GEC-Marconi, 164 Totowa Road Totowa, NJ. Sergei Bogaenko (201) 785-3673 (H).

Feb. 8—"Wheelchairs For The Brain"—NJ Section PACE, 7:30 PM, JCP&L Co. 300 Madison Ave. & Punch Bowl Rd., Morristown, NJ. Dr. Michael Liechenstein (201) 471-0721.

Feb. 20—"Role Of The Engineer As A Leader In This Century And Beyond"—Metropolitan Engineering Societies Council, United Engineering Center, 345 East 47th Street, NYC. See article for details.

Feb. 20-March 26—"Seminar: Internet Users"—IEEE North Jersey Section, Five sessions, Tues. Evenings, JCP&L Co., 300 Madison Ave., Morristown, NJ John Baka (201) 455-8534.

Members and Non-Members Welcome

PLEASE POST

NJ Section PACE:

Wheelchairs For The Brain?

The topic at the February 8, 1996 meeting of the NJ Section's Professional Activities Committee for Engineers will be "Wheelchairs For The Brain?" The speaker will be Max J. Schindler

About The Talk

Education in New Jersey's primary and secondary schools is trying to catch up with the computer age. To that end our Department of Education has issued a directive titled "Education for the 21st Century." Committees have been set up in most districts to implement it.

This talk will briefly review the track record of New Jersey's science education, and put it in context with the new plans. The "new math" of the 1960s began a slide that by now puts our children squarely at the bottom of all international tests. The "21st Century" directive seems designed to guarantee a further decline.

Engineers who (will) have kids in grades K-8 should be aware of what awaits their offspring. Since the local implementors are often computer illiterate, their plans reflect the "wow" factor more than real benefits, never mind potential harm.

Neither the "edutainment" industry (the prime mover in the effort) nor the Trenton educrats have a grasp of the child/machine interaction. Both could thus benefit from inputs from people who have been using computers as tools rather than toys. We must not furnish New Jersey's children with "Wheelchairs for the Brain."

About The Speaker

Max Schindler served on his local school board 25 years ago, and still plays an active advisory role. While working for the RCA Microwave Group he spearheaded CAE in electronic design, using both electron-beam and solid-state devices. He also published a book on software engineering.

All Welcome

You do not need to be an IEEE member to attend. All are welcome

Time: 7:30 PM, Thursday, February 8, 1996.

Place: JCP&L Co., 300 Madison Avenue and Punch Bowl Road, Morristown, N.J. Information: Dr. Michael Liechenstein (201) 471-0721, or Dr. Robert Sinusas (201) 228-3941.