

IEEE



The Connector

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

THE C O N N E C T O R

The Chairman's Corner *Richard D. Beach, Chairman* *Connecticut Section, IEEE*

Well, here we are somewhere in the middle of winter suffering from the cold weather blues (not much snow yet!). Rest assured the executive committee is alive (thawed out) and well, working on activities so keep the faith.

I would like to thank our members for volunteering to be "Publication Chairperson" for our newsletter, and announce that our new chairman is Cesar Oliveira who resides in the Newington/Berlin area which should provide a smooth transition of duties.

Sincere thanks and appreciation to Glenn Drake for his doing double duty as "Vice-Chairman" and "Publication Chairperson" for the past several issues. The "CONNeCtor" look has improved under Glenn's chairmanship, as well as functionally with bulletin board uploads, E-Mail addresses, job announcements, job hotlines, and advertising. All these enhancements are an attempt to make the "CONNeCtor" more useful to our members in the era of corporate downsizing, since employment opportunity (JOBS) is very important to all of us.

This issue of the "CONNeCtor" contains the "NOMINATIONS" for new officers made by our "NOMINATION COMMITTEE", for the Chairman, Vice-Chairman, Treasurer, Secretary, and three Members at Large positions. If a member wishes to be added to the slate of officers (voting will be in the next "CONNeCtor") please follow the guidelines for accomplishing this (detailed elsewhere).

Volunteers for many other duties are welcomed, and positions are available, for society chairpersons to energize the various societies if desired. Currently we have chairpersons for:

COMPUTER SOCIETY	C-16
LEOS	LEO-36
POWER SOCIETY	PE-31
SIGNAL PROCESSING	SP-01

and vice-chairperson or activity volunteers would be welcomed by the chairperson I'm sure, since help in running activities is always appreciated.

We also have three "Members at Large" which provide exposure in a lot of activity areas, and gives the individuals the opportunity to participate in Executive Committee activities to perhaps advance to "Officer" level, if desired in the future. Additional "Member-At-Large" positions are available.

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Yale University's IEEE Student Branch Officers

Let's congratulate the new officers of the IEEE Student Branch at Yale University. These individuals will hold office from January 1, 1995 until December 31, 1995. We wish them well in their new positions with the IEEE.

Chairperson	Gregg Favalora
Vice-Chairperson	Mustafizur Khan
Secretary	Benjamin Kuris
Treasurer	Ankur Mehta
Branch Mentor	Lon Guido

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MEETING NOTICES (PLEASE POST)

Title: Software Standards and Practices

Date: Monday, April 17, 1995

Speaker: James Logue

Time: 6:45 PM(Registration) / 7:00 PM(Presentation)

Location: Branson Ultrasonics; Danbury, CT.

Charge: Free Admission, Non-members welcome.

Contact: Greg Boria @ 203-778-6811 ext 312

Description:

As companies push to become more competitive, they often attempt more ambitious projects with a leaner design staff and higher quality demands. This factor and a goal of ISO-9000 certification, often forces companies to consider more demanding standards and practices. The goal is not to find the ultimate style, but rather to tailor an appropriate set of standards and practices to the project and staff on hand. This presentation outlines the basic software capability levels and describes where they each work well and where they break down. The objective is to help engineers understand how best to fit their current work habits to solve new classes of problems.

Speaker Biography:

Jim is a section head at Hughes Danbury Optical Systems with over 20 years of experience. He has been involved in small and medium sized projects, with quality standards ranging from one time use application software to mission and safety critical programs. He is currently writing analysis software as part of a team of 15 engineers developing AXAF, the space based XRAY telescope. He is also actively involved in setting software development standards for Hughes Danbury Optical Systems.

Title: Sightseeing on the Internet (A colorful tour of the World Wide Web for business and pleasure)

Date: Thursday, April 6, 1995

Time: Presentation 5:30 PM

Location: Westinghouse, Norden Systems
Norwalk, Connecticut

Speaker: Kevin Dowd, dowd@maddie.atlantic.com

Charge: Free Admission, Non-members welcome.

Contact: Greg Boria @ 203-778-6811 ext. 312

Description:

This talk will take a look at business and home uses of the Internet—particularly at the World Wide Web, the changing Internet community, recent growth, and the next “killer applications.” The presentation will include a colorful, lively overview along with on-line demonstrations of powerful new information sources and communication tools.

Speaker Biography:

Kevin is the president of Atlantic Computing Technology Corporation, a company specializing in Internet solutions for business. He is also an author with O'Reilly and Associates; he has written *High Performance Computing* (1993), and is currently writing a book about Internet Connectivity for Organizations. Kevin has a degree in mathematics from the University of Connecticut, and is a perpetual student at the Hartford Graduate Center (RPI).



ANTENNA / MICROWAVE / RF CONSULTANT

Lenrod Goldstone, MSEE

193 Saxonwood Rd, Fairfield, CT 06430 (203) 254-1553

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THE CAREER CORNER

ENGINEERING OPPORTUNITIES

Dynamic expansion has created immediate technical opportunities for quality driven professionals at EXECUTONE, a growth-oriented leader providing unique telecommunications products to businesses and hospitals nationwide, with headquarters in Milford, CT. The following positions are available immediately at EXECUTONE:

SR. PC SYSTEMS DESIGN ENGINEER

Test and evaluate new and existing products, and assist in ongoing and new development in the PC product line. Also generate manufacturing test specifications, assist with technical documentation and provide product support for all related departments. BSEE and 5+ years design of PC/AT and PC/AT adapter cards. Must have proficiency in assembly and integration of PC/AT products, and knowledge of design/development of analog and digital products. Background in systems integration desirable.

SR. DESIGN ENGINEER - RF

Design state-of-the-art general purpose digital and analog hardware. BSEE with 4 years minimum experience with RF, as well as DSP and telecommunications knowledge required.

HARDWARE DESIGN ENGINEER

Design analog and digital circuits for Telecom applications. Design circuits with 8 and 16 bit embedded microcontrollers. Must be competent to work on the most complex projects fairly independently. Ability to carry a design from initial schematic through PC layout, debug, test, qualification, preproduction and field trial. BSEE and at least 3+ years HW design and development of digital PBX, key or central office products required.

SOFTWARE ENGINEER

Design and develop new applications, especially on intelligent interface boards used in our IDS (Integrated Digital System) products. BSCS and four plus years C programming. Knowledge of embedded real-time application programming. Knowledge of ISDN a plus.

SOFTWARE ENGINEER

Sustain and enhance existing code, and develop new features for our healthcare products. BSCS and minimum 3 - 5 years C programming. Knowledge of 68000. Familiar with real-time multitasking operating system and embedded real-time application programming.

We offer a competitive salary and comprehensive benefits package. Please fax resume with salary requirements to (203) 882-0398 or mail to EXECUTONE Information Systems, Inc., 478 Wheelers Farms Road, Milford, CT 06460, Attn: HR Dept - IEEE

EXECUTONE

Connecting People and Information, Worldwide

JOB OPENING: Product Applications Engineer, \$60 - 70K

- o Significant Technical Background.
- o BSEE or BSCompSci if hardware oriented.
- o 5 - 10 yrs experience in fuses/semi-conductor industry.
- o Ability to work with customers to develop products which meet specific needs.
- o Background in design, or design applications work.
- o Prefer some sales/marketing experience.
- o Location: Massachusetts

FAX RESUMES TO THE CHATHAM GROUP

(203) 438-9315

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Connecticut Section IEEE - Suggested Ballot for Officers TERM 1995 - 1996

Chairman	Richard Beach
Vice Chairman	Glenn Drake
Treasurer	Roger Carroll
Secretary	Brian Kochan
Member at Large	Bradford Elker
Member at Large	Kevin Keegan
Member at Large	Ernest Heidelberg

To add nominations contact the IEEE Ballot Committee c/o Bill Merritt, 1289 Blue Hills Avenue, Bloomfield, CT 06002
Deadline: March 31, 1995

ADVERTISING IN THE IEEE CONNECTOR

Advertisements may be placed in the *Connector* which is circulated to over 5000 IEEE members throughout the state of Connecticut. Issues of the *Connector* are frequently posted on bulletin boards at a member's workplace. IEEE members are typically engineering professionals with any of the following backgrounds:

- Electrical Engineering
- Software Engineering
- Mechanical Engineering
- Mathematics
- Physics

Advertisements may range in size from that of a business card to a two-sided 8 1/2 x 11 sheet. Following is a fee schedule for the various sizes:

8 1/2 x 11 Double Sided Insert	\$450
8 1/2 x 11 Single Sided Ad	\$250
1/2 Page (Single Sided) Ad	\$150
1/4 Page (Single Sided) Ad	\$80
Business Card Size Ad	\$50

For more information or to place an ad please contact Richard Beach at (203) 639-4105.

The Internet Corner

We are trying to stir enough interest in local IEEE members to have a regular section of the *Connector* devoted to Internet issues. If you have any Internet tidbits that you would like to share please call the Editor, Cesar Oliveira @ (203) 525-0821.

The U. S. FIRST Competition February & March 1995

The Connecticut Section of the IEEE is helping to sponsor The U. S. FIRST (For Inspiration and Recognition of Science and Technology) Competition which is being held in February and March of 1995. The final competition will take place at Walt Disney World's EPCOT Center in Florida. The objective of the competition is to develop a champion robot while introducing students to the world of engineering.

The program is made possible through the teaming of engineers from both universities and businesses with students. Working together, the students and engineers brainstorm, design, construct, and test their own working robots for the competition.

If there is interest in participating in a future U. S. FIRST Competition please contact:

Donna Gelinas
United Technologies Research Center
411 Silver Lane
East Hartford, CT 06108
(203) 727-7083

High School High Tech

High School/High Tech promotes Science, Engineering, and Technology careers for students with disabilities. High School/High Tech is a community based partnership for parents, educators, rehabilitation professionals, and technology business representatives. Each project is tailored to the needs of the students and the community. Activities might include corporate site visits, mentoring, guest speakers, after school activities, shadowing, summer camps, workshops, and career counseling. If you are interested in helping to start such a program in your community in Connecticut, or would like more information, please call Andy Rabinowitz, 852-5048, or Rabinowitz@Norden.com.

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(The Chairman's Corner - Continued from page 1)

Additionally we need "Chairperson" volunteers for societies which would like to become more active (funded by the IEEE Connecticut Section budget). These societies are identified in the IEEE Membership information booklets, and any/all with active interest groups can be activated; such as:

"ENG. IN MEDICINE & BIOLOGY"	EMB-18
"INSTRUMENTATION & MEASUREMENT"	IM-09
"BROADCAST TECHNOLOGY"	BT-02
"AEROSPACE & ELECTRONIC SYSTEMS"	AES-10
"OCEANIC ENGINEERING"	OE-22
"COMMUNICATIONS"	COM-19
"NUCLEAR & PLASMA SCIENCES"	NPS-05
"CIRCUITS & SYSTEMS"	CAS-04
"NEURAL NETWORKS COUNCIL"	NN-11
"INFORMATION THEORY"	IT-12

If interested please contact the executive committee.

Also needed are Student Activities Chairperson and Vice-Chairperson volunteers to provide more support to the student section of the population, so please volunteer. The positions of Membership Development, Awards & Recognition, and Education Committee Chairpersons are also available.

Presently we have a "Professional Activities Council for Engineers" (PACE) Chairman, and I'm sure Vice-Chairman volunteers would be welcomed.

Finally, other IEEE sections have started an "Entrepreneurs Network" (an outgrowth of the "Consultants Network"). Emphasis here is on STARTING (set-up, organization, funding) and GROWING (expanding business), MARKETING (sales) a NEW BUSINESS ENTERPRISE primarily concerned with a product-based business (software, hardware, manufacturing). If the "Connecticut Section" would like to start one, a willing chairperson should volunteer and step forward, since this would provide a lot of benefit to members to create new business opportunities.

(NOTE: The "Consultants Network" is a very close relative of the "Entrepreneurs Network", with "Consultants" also forming businesses however more related to providing services to other companies, whereas Entrepreneurs deal more with end products.)

In closing, I'd like to say, this Chairman's Corner is again rather lengthy, however, since this is OFFICER NOMINATION time for the 1995-1996 (July-June) fiscal year term, my intent is to show available slots and opportunities for our members. So please call your EXECUTIVE COMMITTEE members, or call me (Richard D. Beach @ 639-4105) to express interest and we can make the "Connecticut Section" even better.

Student Leadership Training ("Train The Trainer") Workshop Saturday, April 22, 1995

The Connecticut Section of the IEEE needs volunteers to participate in the student activities Fall Workshops for the 1995 calendar year. At this time we are soliciting for individuals interested in "training the trainers". These individuals would go to the Region 1 Student Leadership Training Workshop Initiative - Phase I which will be held on Saturday, April 22, 1995 at Manhattan College. The Fall Workshops are scheduled for the month of September.

To volunteer, or for more information contact Richard Beach at (203) 639-4105.

Trinity College's International Robotics Contest Sunday, April 23, 1995

To anyone interested in robotics; the second annual International Robotics Contest will be held on Sunday, April 23, 1995 at Trinity College's Hartford campus. The objective of the competition is to develop a computerized robot that can negotiate through a scaled-down version of a single level home, locate a fire, and extinguish it in the most expeditious fashion.

The competition is broken up into two divisions; a Junior Division for High School students and younger, and a Senior Division for everyone else. Several prizes will be handed out, with a \$1,000 top prize for each division.

Anyone interested in helping organize, manage, or wishing to participate in the competition should contact Richard Beach at (203) 639-4105 for more information.

ARRL BBS Reminder

We have uploaded the *Connector* to the ARRL electronic bulletin board system. The phone number for this BBS is (203) 666-0578. The file name for this issue is "IEEECT3.TXT", the next issue will be "IEEECT4.TXT". Also, check the HamNet Forum on CompuServe. Search the library for keyword "IEEE".

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Newsletter Of The Connecticut Section Of The IEEE

OFFICERS OF THE CONNECTICUT SECTION OF THE IEEE

<u>TITLE:</u>	<u>NAME:</u>	<u>Phone #:</u>	<u>E-MAIL ADDRESS:</u>
Chairman:	Richard Beach	639-4105	
Vice Chairman:	Glen Drake	769-3056	GD@RCINET.UTC.COM
Secretary:	Brian Kochan	848-1500	
Treasurer:	Roger Carroll	727-7003	
Newsletter Editor:	Cesar Oliveira	525-0821	

IEEE Job Hotlines			
<u>Service</u>	<u>E-Mail</u>	<u>Fax</u>	<u>Phone</u>
Alliance of IEEE Consultants' Networks (AICN)	w.anderson@ieee.org	1-202-785-0835	1-800-678-IEEE
"Career Advice for Engineers in the 1990's"		1-908-981-9667	1-908-562-5500
Continuing Education Units	education.services@ieee.org	1-908-981-1686	1-800-242-9409 x58
Employment Guides		1-202-785-0835	1-202-785-0017 1-800-678-IEEE
IEEE E-mail Files	fileserv@ieee.org*		
Job Listing Service	info.ieeeusa.jobs01@ieee.org		
Job Bank USA			1-800-296-1872
Job Fairs	w.anderson@ieee.org	1-202-785-0835	