THE NEW YORK CHAPTER
of
THE IEEE COMMUNICATIONS SOCIETY
sponsors a full-day conference on
ENTERPRISE NETWORK MANAGEMENT

Thursday, May 18, 2000, 9:00 AM to 4:30 PM

(See Back Page for Details)
Chair’s Column

The Social Implications of Technology

What does ‘Professional’ mean? Are we ‘Professional’ Engineers? Does an engineer need a P. E. license to be considered ‘professional’? What is the relation between engineers and the community and are we supporting those positions logically as implied by the changes to our environment as we know it? Are we behaving in a socially conscientious fashion and will the Earth be enhanced by our generation for the next to come? How does the law relate to engineering, and how does one influence the other? These issues will be illuminated by the newly regenerated Social Implications of Technology Chapter. Do we act as Professional Engineers or are we animated by media ads that constantly bombard us both consciously and subconsciously? Are we really thinking individuals or do we follow a script prepared by others and disseminated by the ‘tube’? These questions were brought to mind when a friend asked me to remove the word ‘Professional’ from an award plaque. I had created this plaque to recognize the dedicated service and outstanding merit of a group of engineers that not only support their families but find the time and energy to contribute to the IEEE and other organizations. ‘Professional’ implies expert, proficient, adept, and experienced including honest, ethical, and moral. I feel like William Safire for the moment, playing with words, though I don’t share his political views. Would a ‘Professional Engineer’ choose to purchase an SUV (Sports Utility Vehicle) that pollutes the environment and wastes our natural resources? Does this choice distinguish ‘professionalism’ from ‘materialism’ and should we be concerned with these distinctions? The New York Times’ Sunday Magazine of March 19, 2000 contains an article ‘In the Shadow of Wealth’ that brought clearly to my consciousness this very poignant issue. These choices abound in every decision we make and they determine our ‘Professionalism’, from the very trite to the significant. Should a newly appointed manager refinish the furniture in his office or replace it. If refinishing is all that is required is replacement socially justified. I wonder how many trees that amounts too and if I would have made the same decision. I question why I even think about it, are others concerned or is it only me? Is conservation only something we do when it is made economically justified or is it a conscious program that ‘Professionals’ should undertake? Once a month, on my street I see three containers of recyclable items placed neatly in front of each home. Parked alongside is a big SUV. Is this a contradiction? Do these people need the SUV because of driving conditions or is it there for status? I image that status is the motivating factor and that it is driven by media’s subliminal message suggesting that this is a necessary item. What then of the current high price of gas? We are a rich nation and everyone has the right to spend their earnings as they wish – are we not all individuals in a free economy? Do corporations act any differently? I was in a meeting to determine the best replacement equipment and the decision was not as it had been in the past, based on future growth; but now it is based on cost/effective expediency, what will satisfy the stock price today and we’ll worry about the environment and growth issues tomorrow, in the hope that tomorrow never comes. The NY Times article stresses the separation between the accumulation of wealth today and in the past as it relates to social consciousness. Is it ‘Professional’ to accept wealth out of proportion to any real accomplishment or merit and in acquiring such wealth is there any social responsibility attached to it? Does a Bill Gates have a moral, ethical, or other responsibility to the nation that helped him produce his fortune. Today this wealth is not based on the production of hundreds of poorly paid factory workers; but in many cases on virtual companies that have not made any profit and employ few people. So much of the profits associated with the Internet and new IPOs are thus generated that there exists no responsibility to the underlying worker, because these are few and they are well paid. What then of this massive wealth. Is it ‘professional’ to dispose of it frivolously or are there environmental and social issues that must be addressed? As ‘professional’ engineers should we even be concerned? These are the questions that are implied and will be studied in what will be our newly invigorated Chapter: The Social Implications of Technology. I look for some great programs and interesting discussions. I wonder if they will form political action committees to press a social agenda. The Chapter is and will be open to all those who want to join. I hope all our members will have the opportunity to participate in these discussions.

Michael A. Miller, Chair
New York Section
New York Section, IEEE
Election Day Events

Schedule of Activities

The New York Section / Chapters will hold elections following the General Meeting.
May 10, 2000
- General Meeting - 2:30 PM
- Section / Chapter Elections - 4:15 PM
- Buffet Dinner and Presentation - 5:00 PM
- Events to be held at Con Edison, 4 Irving Place, New York

The following is the proposed slate of officers for the Section:

Chairman: Jalal Gohari
Vice Chairman: Ralph Tapino
Treasurer: Robert Pellegrino
Secretary: Ben Schall

The following is the proposed slate of officers for the PES / IAS Chapter:

Chairman: Paul Sartori
Vice Chairman: Uwe Enke
Secretary: James Nucito
Treasurer: Michael A. Miller
Senior Member at Large: Neil Weisenfeld
Junior Member at Large: Raymond C. Alvarez

Following the election of officers, the New York Section / Chapters / and Societies will adjourn to Con Edison's Executive dining room for a buffet dinner and talk by Dr. Irving Engelson on *Engineering in the New Millennium - Are There Answers?* Presentation of Awards for Distinguished and Outstanding Service will be made by Dr. Engelson.

Reservations for the above events are required.
Call or write to Michael A. Miller, 212 460-4911, millerm@coned.com
Or J. Alan Osborne, 212 460-6690, osbornea@coned.com

STUDENT ACTIVITIES
Region I PRIZE PAPER CONTEST

The following students from the NEW YORK SECTION were winners at the Region I Contest, which was held Saturday, April 8th in Vermont.

**FIRST PRIZE:**
Matt FOSTER and Nader ZAKI
The Cooper Union, New York
For their paper: "PSI" OPTIK

**SECOND PRIZE:**
Wesley HERTLEIN and Michael HOROWITZ
The Cooper Union, New York
For their Paper: A CDMA System Utilizing Adaptive Modulation
A Word From the Director of Region 1

I am writing to express my disappointment and concern with an article that appeared in the February issue of The Monitor, as well as the "Editor's Note" responding to two reader letters in the March issue. In the February article, the author apparently intended to make some humorous comments about women, but his hoped-for wit seriously misfired. The "Editor's Note" in the March issue does not, in my estimation, offer an adequate explanation or apology.

The Institute is committed to promoting diversity among its membership, and to encouraging qualified electrical engineers and other appropriate technical professionals - regardless of race, religion, culture or gender - to join our organization and to benefit from the intellectual and professional opportunities we have to offer. As such, the IEEE has earned an enviable reputation for the highest standards in what we produce and disseminate. As a longtime IEEE member, and past member of your Section, I understand the need to encourage the interest, enthusiasm and commitment of others. I also understand the importance of editorial independence and freedom - indeed, our country was founded in part on such freedom. But anything in an IEEE section newsletter that makes light of, or somehow diminishes, the worth of another person is not only distasteful, but also against IEEE policies.

I am aware of the intellectual vigor and the enormous contributions of the New York Section to the Institute. In no way do I want to dampen their commitment and dedication. However, the comments that appeared in the February column do not help the goals or reputation of either the Section or the IEEE as a whole. One member's desire to be a creative writer should never be at the expense of another person - or the organization.

I respectfully request that you print this letter, in its entirety, in the next issue of The Monitor.

Sincerely,
Irving Engelson
IEEE Region 1 Director
Nominations for IEEE Region 1 Awards Due June 15, 2000

The purpose of the Region 1 Awards Program is to publicly recognize professional and technical excellence and major accomplishments and contributions made by Region 1 IEEE members.

There are six award categories:

1A. New Technical Concepts in Electrical Engineering. For significant patents, for discoveries of new devices or applications, and for significant reductions in components or processes.

1B. Electrical Engineering Professionalism. For personal, high level leadership in research and design performance in support of all phases of the Electrical Engineering Profession.

1C. Promotion of Self-Development for Practicing Electrical Engineers. For arranging courses, seminars, and tutorials to enhance the educational level and the competence of practicing electrical engineers.

1D. Enhancement of IEEE in Industry and Community Service. For outstanding service to the IEEE at the Chapter, Section, Region and national level; and for major contributions to the industry and to the community.

1E. Electrical Engineering Management. For managerial excellence in organization, leadership, design and development.

1F. Electrical Engineering Support for Student Activities. For improving communications between the IEEE and a Student Branch or Student Group; for support and service to a Student Branch or Student Group; and for service and leadership to the student community.

- Any IEEE Region 1 member, Chapter, Subsection, Section, or Council may sponsor a nomination for a Region 1 Award.

- To nominate a candidate, fill out the nomination form and get three signed letters of endorsement. Try http://www.ewh.ieee.org/r1/new_york/ form.doc for the form. The filled-in form and endorsement letters can be sent to the Region 1 Awards and Recognition Chairman, Michael S. Chester, 71 Oaks Road, Framingham, MA 01702.

- To be effective, endorsement letters must support the nominee for the one specific award category selected by the nominator.

- Nominations are reviewed by the Region 1 Awards and Recognition Committee, which submits its recommendations to the Region Executive Committee, which approves Region 1 members who will receive awards.
This will be the last column before the summer break. It is the time that I start to plan for the 2000-2001 schedule for PACE meetings and conferences. As Pace Chairman, I will represent the New York Section at the Annual PACE Conference & Workshop that will be held this year in Scottsdale, Arizona on September 1st through 4th. The conference will have workshops and pre-conference Tutorials which will help PACE Leaders give support to changing needs of our technical professionals and goals of IEEE-USA.

The PACE Conference provides a forum for the members to give IEEE-UAS leaders issues that they would like them to address. A few years ago an opinion survey of NY Section members was conducted and with a list of top issues. The issues and concerns of members at that time and the top five issues in priority order were as follows: lack of jobs, corporation downsizing, retraining needs for laid-off members, professional status of engineers, number of engineers being graduated. PACE programs, meetings and seminars were oriented towards helping members with those issues. At present a number of the issues may have been resolved, or seem irrelevant to our members, because of changes in economic conditions, employment and personal situations.

Therefore, I am asking for your opinion of current top issues and things that PACE can help you with. Remember that this will be used to bring your concerns to IEEE-USA leaders attention. It will also be used to provide programs and seminars for PACE activities in the section. Please respond by telephone, fax or e-mail to:

Peter Greco  PACE Chairman
Tel.: 212-614-3357  Fax: 212-529 5237
  e-mail: p.j.greco@ieee.org

The following are proposed Section activities for the remainder of the year.

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<th>Month</th>
<th>Activity</th>
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<td>May</td>
<td>Election Meeting</td>
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<td>June</td>
<td>General Meeting</td>
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<td>October</td>
<td>Financial Seminar</td>
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### IEEE - USA EMPLOYMENT ASSISTANCE

Job-hunting, _like engineering_, is an exact science. **Be Employed for Life**

Conduct an electronic job search and locate great jobs. Find “search tools” other than the newspaper. **Learn** how to write a new “searchable resume that showcases your experience and skills. **Network,** everyone talks about it. Learn how to create and use a career network. Consider consulting as an employment alternative.

*The Engineers Guide to Lifelong Employability.* Features over 200 pages of in-depth text that will allow you to master the engineering job search.

**IEEE Members:** $19.95

**IEEE-USA National Job Listing Service:**
Set your web browser to URL

[www.ieee.org/jobs.html](http://www.ieee.org/jobs.html)

Entry - Level Job Listing Service at:

[www.ieee.org/usab/EMPLOYMENT/entry.html](http://www.ieee.org/usab/EMPLOYMENT/entry.html)

Electrotechnology Resume Referral Service: IEEE-USA cosponsors Resume Link at 614-529-0429 or at Web URL

[www.resume-link.com/](http://www.resume-link.com/).
NEW YORK SECTION AND PES/IAS CHAPTER
Presents
ENGINEERING IN THE NEW MILLENNIUM
ARE THERE ANSWERS?

And

PRESENTATION OF NEW YORK SECTION AND
CHAPTER MILLENNIUM AWARDS

Dr. Irving Engelson, the IEEE Region 1 Director, will be the guest speaker at a joint meeting with the Edison Engineering Society. His topic will concern the future of engineering in the upcoming millennium. He will also present the IEEE New York Section and Chapter Millennium Awards.

Dr. Engelson held engineering and management positions in industry, including eight years with RCA. His positions in academe included that of Professor and Assistant Dean at NJIT and Associate Dean at the University of Nebraska.

He is a Life Member of the VFW, and was awarded the IEEE Centennial Medal, and was honored by the Engineering Management Society as the “1993 Engineer of the Year.” Dr. Engelson published and lectured extensively on technology, education, and management, worldwide.

Date: Wednesday, May 10, 2000

Location: Con Edison, 19th floor Executive Dining Area
4 Irving Place, New York, NY

Time: 5:30 PM Program - Buffet Dinner will be served at 5:00 PM

For more information contact: Alan Osborne (212) 460-6690

All Invited - Free Admission - Reservations Required
Calendar of Upcoming Events

May 10, 2000 (Wednesday) 5:30 PM Refreshments at 5:00 PM
New York Section, Power Engineering Society and Industry Applications Society Chapter
And the Edison Engineering Society
"Engineering in the New Millennium"
Con Edison, 19th floor Executive Dining Area, 4 Irving Place, Manhattan, New York
For more information call: Alan Osborne at (212) 460-6690

May 18, 2000 (Thursday) 8:30 AM
New York Chapter of the IEEE Communications Society (COMSOC)
"Enterprise Network Management"
Con Edison, 19th Floor Auditorium, 4 Irving Place, Manhattan, NY
For more information contact Dimitar Georgievski at: georgievski.unprofor@un.org
or Jim Barbera at: j.p.barbera@ieee.org or to register by credit card see our web site at

June 14, 2000 (Wednesday) 10:00 AM to 12:00 Noon
New York Section Life Member Chapter
Meeting - Open to All New York Section Life Members and Retired Members of the IEEE
Con Edison, 4 Irving Place, Manhattan, New York
For more information call: Phil Paterno @ 908-526-2575 or p.paterno@worldnet.att.net

The following New York Section members have been elevated to Senior Member Grade

Congratulations to

Bernard S. Meyerson
Charles A. Micchelli
Ellen J. Yoffa
Gary A. Tishue
From the President of IEEE-USA
Merrill W. Buckley, Jr.

The H1-B Guest Worker Legislation

Why is an issue "H1-B Guest Worker Visa" important? And why is IEEE-USA taking a position on it?

These are important and controversial questions and they deserve straight answers. In this--the first of a series of IEEE-USA President's Columns--on different topics, I will try to answer them for you.

First, the H1-B is a non-immigrant visa that allows foreign workers, mostly in high-tech fields, to live and work in the United States. Because the normal green card system does not work well, the H1B has increasingly become the easiest option for would-be permanent immigrants. Yet it remains a temporary visa.

So, the H1-B issue is critical in several ways. First, it directly affects U.S. electrical, electronic, and computer engineers, programmers, and many other high-tech fields. Clearly, large numbers of new workers in technical fields have an impact on those who are already here working in the same areas. It is also a concern for students who will be graduating in this marketplace in the coming years. How could it be otherwise? We must also respect the opportunities for senior engineers, minorities, women, and the financially disadvantaged who would like to enter our profession.

Second -- the conditions under which new high tech workers are admitted and allowed to remain in the United States affects the future of our profession, as well as our national economic and social well-being. Because the H1-B is a non-immigrant temporary visa, a policy based on the H1-B becomes an endless series of quick-fixes to the permanent problem of renewing our profession in the United States.

After all, the United States is a land of immigrants, not guest-workers. Immigration has benefited us enormously throughout our history, but the universal experience with guest worker programs is that they fail. In every case, large numbers intend to stay. So why don't we fix what's broken? The Ellis Island model for immigration worked well.

The IEEE-USA was organized to be the career services and public policy arm for the 230,000 U.S. members of the IEEE. When the members, volunteers, and IEEE-USA Board agree that a particular matter (whether it is pensions, precollege education, or immigration policy) is worth it, on behalf of the U.S. members, we make the effort. The H1-B is such an issue.

As engineers, we know the best solution is the one that solves all the problems. What are the problems the H1-B visa is supposed to solve? Employers want to hire skilled workers from the global marketplace. The H1-B workers they hire overwhelmingly want permanent residency - the green card -- and U.S. high tech workers want two things: (1) that they compete equally with foreign-born workers, and (2) that they continually improve their skills for a life-time career in their profession.

The IEEE-USA has simply put all of this together. "Green cards, not guest workers" is an alternative that provides employers, H1-B workers and U.S. workers alike with what we all want.

For information, go to:
http://www.ieeeusa.org/grassroots/immreform/index.html
CALL FOR NOMINATIONS, IEEE RAB ASSEMBLY ELECTED POSITIONS

There is still time to submit your nomination! The Regional Activities Board (RAB) Nominations and Appointments Committee is seeking nominations for the following positions:

* Vice President Regional Activities
* Vice Chair Member Activities
* Vice Chair Region, Section and Chapter Activities
* Vice Chair Strategic Planning
* Vice Chair Student Activities
* RAB Treasurer

The RAB Nominations and Appointments Committee will recommend candidates for election by the RAB Assembly for the 2001 term, for the office of Vice President Regional Activities/RAB Chair, RAB Treasurer and the RAB Vice Chairs. Nomination packages are available from Regional Activities Department (ra-admin@ieee.org).

The deadline for nominations is 30 April 2000. Additional information is available at the following URL: www.ieee.org/organizations/rab/rab-ra-assembly.html.

REBATES, LATE BUT NOT TOO LATE

The annual reports required for IEEE Sections to earn funding in the form of a rebate were due on 22 February 2000. THANK YOU to the 224 out of 298 Sections who have submitted all three reports (Meeting activity, financial activity and current officers). For those Sections that have not yet submitted all or some of the reports, although you have missed the deadline to earn the 10% bonus, the rebate can still be earned. The forms and information can be found on the Web at www.ieee.org/ra/scs, select the link for "Required Reporting". Please contact Vicki Waldman for reporting status or with any questions: v.waldman@ieee.org, telephone +1 732 562 5564.

MAY 15 DEADLINE FOR 2000 IEEE/EAB AWARDS NOMINATIONS

The Educational Activities Board (EAB) is offering five awards: Meritorious Achievement Award in Accreditation Activities, Meritorious Achievement Award in Continuing Education, Major Educational Innovation Award, Meritorious Service Citation, and the Employer Professional Development Award. These awards are designated to specifically recognize individuals and companies who make significant contributions to furthering the professional development of IEEE members. For complete information about nominating for the awards, access the EAB Awards page at www.ieee.org/organizations/eab/arc/awards/index.htm, or contact Rae Toscano at r.toscano@ieee.org, telephone +1 732 562 6526.

DESIGNED JUST FOR YOU

At the Section level, the IEEE History Center administers the IEEE Milestones Program to honor significant achievements in electrical, electronic and computer engineering. Details on the program and how to propose a Milestone can be found on the History Center web site at

www.ieee.org/organizations/history_center/milestones_program.html.

After approval by the IEEE History Committee and IEEE Executive Committee, a bronze plaque is cast with a cost of $500, and a dedication ceremony is held by the Section to honor the achievement. Ordinarily, the Section is responsible for the cost of the plaque. However, through a gift from the IEEE Life Members Committee (LMC), Sections are now eligible for special funding to cover the cost of the plaque: The LMC will be sponsoring up to four plaques in the year 2000. Therefore, if you are interested in having a Milestone within your Section, please visit our web site referenced above. It contains the information you will need to get the ball rolling.

Please note that the nomination process, from beginning to end, can take up to 6 months. So you will want to act quickly to be eligible for this generous offer from LMC (note that other costs may be incurred by the Section in
conjunction with the Dedication Ceremony, but that in the past corporate sponsorship has frequently been obtained for some/all of these costs).

IEEE STATS & WEB APPS
New higher-grade and student member applications continue to surge ahead of last year's record numbers. In just the first eight weeks of the calendar year, IEEE has received 3,816 new higher-grade member applications (2,535 of them via the Web) for a 10% increase over the first two months of 1999. Student member applications are showing a more moderate increase of 1.2% over last year. 5,726 Student applications have come in in eight weeks, nearly 23% via the Web. Last year, only 14.3% of Student applications came in via the Web, so the rate of Web usage among prospective Student members is increasing dramatically.

If this pace continues, IEEE could see nearly 26,000 Web applications in 2000. The web application form can be found at www.ieee.org/membership.

E-CONFERENCE MEETING, A BEST PRACTICE
On 29 January 2000 the full Region 3 Executive Committee met for their first e-conference meeting. Thirty-one members participated from 9 states. Prior to the meeting, all committee and entity chairs submitted their reports via e-mail, and these were posted on the Web prior to the meeting. The meeting lasted four hours.

Software used by participants included MSChat and mIRC. Training in use of e-conference software and techniques was conducted at the fall ExCom meeting in early December in Nashville, Tennessee. The IEEE server at Piscataway, New Jersey was used and performed flawlessly throughout the day.

In Region 3, e-conference techniques and technology have been under investigation and development since early 1999, with the first phase guidelines presented at Sections Congress 99. An ad hoc e-Conference Committee was established this year to complete subsequent phases of the guidelines. Other Region 3 committees have used the guidelines in numerous e-conference meetings before conducting the region wide ExCom meeting in January.

For further technical details, visit the web site www.ewh.ieee.org/reg/3/e-conf/ or contact any member of the project team listed there.

CEU COURSE DIRECTORY NOW ON THE IEEE WEB
Planning professional development requirements for the year? Maybe it's time to have skills freshened up for either short-term or long-term goals. Help is as close as the IEEE website at


A list of courses offering Continuing Education Units (CEUs), as well as contact information, can now be found on the IEEE website. Listed by date, the courses run the gamut from Advanced Induction Motor Production through XML Technologies.

Attention course developers: To list your CEU offering or offer CEUs at your educational program, please contact Sharon Strock, Projects Administrator, at s.strock@ieee.org.

LARGEST IEEE STUDENT BRANCH
The largest IEEE Student Branch in 1999 was the Thadomal Shahani Engineering College in Bombay, India, with 695 Students. Rounding out the top five largest branches are: the University of Texas, Austin, USA; Georgia Institute of Technology, Atlanta, Ga., USA; Crescent Engineering College, Madras, India; and the University of Illinois, Urbana, USA.

For more information, email Student Services at student-services@ieee.org, or contact Laura Durrett of IEEE Regional Activities at telephone +1 732 562 5523; email l.durrett@ieee.org.

NEW SENIOR MEMBERS ELEVATED
Nearly 170 IEEE members were elevated to Senior Member grade at the February meeting of the IEEE Admission & Advancement Panel. The list of the new Senior Members may be viewed at

www.ieee.org/organizations/rab/md/feb00smupdt.html.

To inquire about the status of a Senior Member elevation, send an email message to senior-member@ieee.org.
How IEEE-USA Benefits the U.S. Member
By George F. McClure, Editor,
IEEE-USA Technology Policy Activities

Some members belong to IEEE primarily to receive publications from the world’s largest producer of literature on electrotechnology and, perhaps, to attend technical meetings sponsored by their technical society or its local chapters. Some members belong to take advantage of the insurance program or other aspects of the Financial Advantage program. Some, as has been pointed out in earlier columns, find their chief attraction in the Engineering Management Society or the Professional Communication Society. Perceptive members may realize the opportunities available to them to develop organizational skills through running local sections, tutorials, or working on technical conferences. A relatively small number belong to participate in standards development.

Many members may not realize the ways in which IEEE-USA advances the professional and career interests of the IEEE U.S. member. Following are just some of those ways:

- The annual Professional Development Conference is an information-packed weekend with opportunities to improve “soft” communication and presentation skills, learn career-advancing tips, develop leadership skills, and to get exposure to pending legislation that may affect members. Separate GOLD tracks are aimed specifically at young members.

- Technology policy can have a strong influence on future engineering careers. IEEE-USA has five such committees, respected in government offices, and sought out for their expertise: Aerospace Policy; Communications and Information Policy; Energy Policy; Medical Technology Policy; and Research and Development. Technical societies are encouraged to send a representative to technology policy committee meetings and participate on the development of policy positions for use in advocating to legislators.

- Today, members often find that their career is not one continuous path, but a series of stepping stone positions that may include periods of self-employment. IEEE-USA’s popular job listing service has grown into the new IEEE-USA Global Employment Services site www.ieeeusa.org/employment/global.

- With members having to assume more responsibility today for their careers, committees with a focus on career activities assume more importance. IEEE-USA has five such committees: Career Maintenance and Development; Engineering Employment Benefits; Intellectual Property; Licensure and Registration; and Workforce. Among their many important activities, these committees work to aid in career vitality, promote continuing education, protect employee benefits, and to promote engineering registration and acquaint members with the steps involved.

- IEEE-USA surveys engineering salaries and benefits every two years, publishing the Salary and Fringe Benefit Survey, the premier report in this field.

- The IEEE-USA PACE Network, a grass-roots linkage to U.S. regions, areas/councils, sections and interested members, provides timely alerts on legislative issues, so that members can communicate their own views to congressional representatives.

- Congressional Fellows and Executive Fellows, drawn from member volunteers, spend a year aiding congressional offices or executive departmental offices on technology issues under the IEEE-USA sponsorship of IEEE-USA.
• IEEE-USA also sponsors the Washington Internships for Students of Engineering (WISE) program, which supports research on public policy issues; and underwrites a Mass Media Science and Engineering Fellow to report on sci-tech issues at a broadcast or publication news outlet.

• Engineering students benefit from Student Professional Awareness Conferences (S-PACs) by organizing and bringing in qualified speakers on professional topics, with help from IEEE-USA.

• Outreach to the public at large takes two paths: precollege education -- promoting technological literacy among the students; and through media communications -- familiarizing the public with engineers, their role and the benefits we all enjoy as a result of engineering. National Engineers’ Week is one such observance.

Higher-grade U.S. members fund IEEE-USA and related activities through a $27 assessment included on the dues bill: $23.50, for direct support of IEEE-USA; $2.50, for IEEE-USA collaboration on public policy and public awareness issues with the American Association of Engineering Societies (AAES); and $1 for EAB support of the Accreditation Board for Engineering and Technology (ABET).

Clearly, not all U.S. members find all IEEE-USA projects of equal interest, but just as a rising tide lifts all boats, our careers and professional image all benefit from the work IEEE-USA does.

For more information on IEEE-USA activities, visit www.ieeeusa.org, or call 202 785-0017.
Attention Program Evaluators and Department Heads:
IEEE/ABET Will Host Two Training Workshops at ASEE Annual Convention

On June 18, 2000, at the Adam's Mark Hotel, St. Louis, MO, the IEEE Educational Activities Board (EAB) will hold two educational workshops during the American Society for Engineering Education (ASEE) annual conference. Both the new Accreditation Board for Engineering and Technology (ABET) Engineering Criteria 2000 and the classic Engineering Technology Criteria will be presented at simultaneous all day workshops.

The EC-2000 Training Workshop is co-sponsored by the Committee on Engineering Accreditation Activities (CEAA). The purpose of this workshop is to train IEEE members serving as program evaluators and department heads under the new ABET Engineering Criteria 2000. Full implementation of the new criteria is due Fall 2001.

Trainers are:
- Mr. C. Denny Avers, Retired from IBM, Training Coordinator for the Committee on Engineering Accreditation Activities (CEAA)/IEEE Representative to the Engineering Accreditation Commission (EAC) of ABET
- Dr. William E. Sayle, II, Professor and Associate, Chair School of Engineering and Computer Engineering, Georgia Institute of Technology/IEEE Representative to the Engineering Accreditation Commission (EAC) of ABET
- Dr. David L. Soldan, Ph.D., Professor and Head, Electrical and Computer Engineering, Kansas State University/Member of the Committee on Engineering Accreditation Activities (CEAA)

The Engineering Technology Workshop is co-sponsored by the Committee on Technology Accreditation Activities (CTAA). During this workshop, IEEE members who serve as program evaluators and department heads will be taught the classic ABET Engineering Technology Criteria.

Trainers are:
- Mr. Richard A. Painter, Vice President, Painter Engineering, Inc./Program Evaluator Coordinator for the Committee on Technology Accreditation Activities (CTAA)
- Professor Rosida Coowar, Assistant Chair, Department of Engineering Technology, University of Central Florida/Member, Committee on Technology Accreditation Activities (CTAA)

Both workshops will take place from 8:30 to 5:30 p.m., with a lunch break from 12:30 to 1:30. Registration and a continental breakfast will be held from 7:30 to 8:30 a.m. The cost for each workshop to non-IEEE Evaluators is $200.00 in advance, and $250.00 at the door.

To pre-register, or for more information, contact:

Accreditation Administrator
IEEE Educational Activities
445 Hoes Lane
Piscataway, NJ  08855-1331
Phone: 1 732 562 5484
E-mail: eab-accred@ieee.org
Assistant Editor Wanted

The New York Section seeks an Assistant Editor. This person will provide support to and learn all necessary functions in the production of the Section Newsletter – The Monitor, including layout, production scheduling, composition, editing, advertisements, writing, correspondence, etc.
The responsibilities included assisting the editor in:
• Selecting articles.
• Obtaining advertisements.
• Reviewing and approving layouts.
• Scheduling issues.
• Holding meetings and providing an informational resource to our Section.
• Preparing an annual budget.
• Attending executive board meetings.
The current Editor is Hal Ruchelman and he is an excellent source of information and a brilliant teacher.

Instrument and Measurement & Engineering Management Chairs Wanted

The New York Section seeks new chairs for these committees. Each will provide an agenda and activities appropriate to enhancing and providing activities for our members. The responsibilities of the committee Chair, which should be delegated among its members, include the following:
• Selecting speakers and other activities for meetings.
• Recruiting members.
• Reviewing and approving an agenda.
• Scheduling activities.
• Attending executive board meetings.

GOLD Chair Wanted

The New York Section seeks a dynamic individual that graduated college within the last 10 years. This person will provide leaders to our younger members by keeping and maintaining an active list of Gold members, providing networking, meetings, activities, and items of interest to this group. There is ample programming information available and support will be provided on all levels. The only responsibility for this position is getting the message out to the vital and viable group is that we need you as part of the IEEE.

If you are interested in any of these opening please contact:
Michael A. Miller, New York Section Chair, 212 460-4911
C/o Con Edison, room 1006-S
4 Irving Place
New York, New York 10003
E-mail: MillerM@ConEd.Com

Life Member Chapter Meeting

The Life Member Chapter of the NY Section, IEEE will meet on June 14, 2000 at Con Edison, 4 Irving Place, New York, NY from 10:00 AM to 12 Noon. For further information Contact Phil Paterno at; 1 908 526-2575 or e-mail Phil at:
p.paterno@worldnet.att.net.

All life members and retired members are welcome.
This full-day seminar will explore the future directions of enterprise wide network management, and will include presentations on network management, carrier management, multi-services network management, security management, network inventory management, and management protocols. Top specialists will present in these areas.

For additional information or to register by credit card see our web site at http://www.ewh.ieee.org/r1/new_york/COMSOC2000/com19ny4.htm

<table>
<thead>
<tr>
<th>Topic</th>
<th>Speaker</th>
<th>Position</th>
<th>Company</th>
<th>Schedule</th>
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<tbody>
<tr>
<td>Registration</td>
<td>Eberhard Petri</td>
<td>Business Manager</td>
<td>Computer Associates</td>
<td>9:00-10:00am</td>
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<tr>
<td>Keynote Address: Future Direction of Enterprise Network Management</td>
<td>Tivoli</td>
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<td>10:00-10:45am</td>
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<tr>
<td>Framework for Network and Systems Management</td>
<td>Heinz Esterlechner</td>
<td>Senior Manager</td>
<td>Cisco Systems</td>
<td>1:30-2:15pm</td>
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<tr>
<td>Managing the Infrastructure</td>
<td>Bell Atlantic or Lucent</td>
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<td>11:00-11:45am</td>
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<td>Managing the Multi-Services Network</td>
<td>Lycent</td>
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<td>11:45-12:30pm</td>
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<tr>
<td>Multi-Protocol Management</td>
<td>Heinz Esterlechner</td>
<td>Senior Manager</td>
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<td>12:30-1:30pm Lunch</td>
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<tr>
<td>Enterprise Security Management: The Anatomy of An Attack</td>
<td>David Gerulski</td>
<td>Director of Strategic Marketing</td>
<td>Internet Security Systems (ISS)</td>
<td>2:15-3:00pm</td>
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<td>Managing Content and Load</td>
<td>Chris Belthoff</td>
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<td>3:00-3:15pm break</td>
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<td>• $150 for Members or, $135 for new (2000) Members (Consider joining today!)</td>
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<td>• $35 for Students</td>
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<td>(Checks are to be made out to NY IEEE COMSOC and mailed with this form to: Karl Wummer, 39 Beechwood Ave, Manhasset, NY 11030)</td>
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For more information: for further registration information contact:
Dimitar Georgievski, e-mail dimitarg@websyn.com or James P. Barbera at j.p.barbera@ieee.org.