

the Beacon

Happy Holidays!

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Officers

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Vice Chair:

Daniel Martin

Treasurer:

Merlin Smith

Secretary:

Thomas Carbone

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{Open}

Chair, CS/EDS

Chapter:

Steven Leibiger

Chair, PES/IAS

Chapter:

David Conroy

Chair's Note

We are rapidly approaching the end of another year. Starting in January, the 2003 Maine IEEE Executive Board, under the leadership of Dan Martin as Chair, will take the reins for the Section. We are still seeking an interested volunteer for the office of Junior Member-at-Large (to assist Senior Member-at-Large, Scott Dunning, with planning and arrangements for the 2003 Annual Meeting) as well as individuals interested in helping to keep the Communications Chapter active. Steve Leibiger will take over as Chair of the CS/EDS Chapter Executive Board, along with the addition of some new members, as noted on page 3. We are also pleased to announce that Art Winston has won his bid for the IEEE Presidency and will serve as 2004 IEEE President.

As we leave 2002 behind, it is important as ever for each of us to support the new officers and consider what we each can offer to the Section and Chapters, in terms of time, talents and ideas, to help keep the Maine IEEE vibrant and maximize the value of our IEEE membership.

IEEE MEMBERS SELECT ARTHUR W. WINSTON AS 2003 IEEE PRESIDENT-ELECT



Arthur W. Winston, director of the Gordon Institute of Tufts University in Medford, Mass., has been selected 2002 IEEE president-elect. Pending acceptance of the Teller's Committee report by the IEEE Board of Directors, Winston will begin serving as IEEE president on 1 Jan. 2004. He will succeed 2003 IEEE President Michael S. Adler, Vice President of Technology at Mechanical Technology, Inc., Albany, N.Y., and Research Professor at Rensselaer Polytechnic Institute, Troy, NY.

Of the 249,352 ballots mailed, 39,059 valid ballots (15.66 percent) were returned. This compares with the 2001 return of 19.80 percent. All results are unofficial until the IEEE Board of Directors accepts the report of the Teller's Committee.

The other two candidates for IEEE president-elect were Vijay K. Bhargava, Canada Research Chair in Wireless Communication at the University of Victoria in British Columbia, Canada, and Luis T. Gandia, president of L. Gandia & Associates, Inc., of San Juan, Puerto Rico.

Bhargava, Gandia and Winston all were nominated by the Board of Directors. Of the members who voted, 17,949 selected Winston. Bhargava received 11,122 votes and Gandia, 8,884 votes.

Winston, an IEEE Life Fellow, has been an IEEE member since joining in 1955. He served on the IEEE Board of Directors from 1996-1999, holding positions as vice president of Educational Activities and Region 1 director. He has served on numerous committees and taken on many other leadership roles within the organization, including chair of the Foundation Board and the Life Members Committee from 2000-2001. Winston has been very active in the IEEE Boston Section, serving in several capacities, such as chair in 1993 and secretary from 1991-1992. He was awarded an IEEE Third Millennium Medal in 2000.

Winston has worked at Bell Telephone and the National Research Council, both in Canada; The Massachusetts Institute of Technology; National Research Corporation and Allied Research Corporation before joining the faculty at Tufts University. His technical expertise includes the fields of test and measurement among other areas.

IEEE launches new e-mail career newsletter and upgrades TODAY'S ENGINEER Webzine

IEEE Career Alert, a new weekly e-mail newsletter, written by *IEEE Spectrum* editors, is now available. The publication focuses on issues such as professional growth opportunities, continuing education, management and the engineering workplace. It also will include related articles from *IEEE Spectrum*, other IEEE resources and the Web. You can sign up to subscribe at: www.spectrum.ieee.org/careers/Signup.html.

TODAY'S ENGINEER, IEEE-USA's monthly, career-oriented webzine, has a new look and now includes content formerly published in IEEE-USA POLICY PERSPECTIVES, including articles and commentary on the topics that are shaping legislation, the technology workplace, and the engineering world. TODAY'S ENGINEER can be viewed at: www.todaysengineer.org



President's Column (September 2002)

Helping the Unemployed Member

(Editor's note: I thought this recent column by the IEEE-USA President would be of interest to many members)

Are you unemployed? Afraid you might be in the near future? Trying to encourage and assist those who are? If so, you might think that IEEE-USA and the rest of the IEEE have really not shown much activity toward assisting our members. No matter how much we've done, we can never do enough. Enough would include forecasts of engineering employment downturns and the industries affected, forecasts of skills that will remain in demand during expected downturns, and effective policy actions that will smooth the ups and downs of engineering employment, and not inflate the engineering workforce to the point of employment risks for those in the profession.

Doing enough would also mean that IEEE-USA, other engineering organizations, employers, and educators would work as a team to identify available cost-effective training programs on subjects that the employers will accept as meeting

their present and near-term needs for engineers and computer scientists. If we were doing enough, we would also have an abundance of materials and section-level activities that would assist members in understanding how to become pro-active in developing your long-term career viability plan and the resources for helping to carry through with successful plans.

If you wonder why you haven't been deluged with communications from IEEE-USA on how to get your next employment opportunity, it's simply because I didn't feel that we had accomplished enough that you would consider of value. The good news is that IEEE-USA volunteers have developed a multitude of resources over the years that are still available for the benefit of our members. Our first challenge is to review and update these materials and make sure that they are easily accessible at our Web site. Our second challenge is to add resources.

IEEE-USA now has a user-friendly Web site for accessing our employment assistance resources and selected resources that may assist you in planning your longer-term career: <http://www.ieeeusa.org/careers/help/>.

Other career resources include:

IEEE Job Site — employment listings: <http://jobs.ieee.org/recruiter.html>

Engineer's Guide to Lifelong Employability — ordering information; free unemployed members: <http://www.ieeeusa.org/catalog/lifelong.html>

Alliance of IEEE-USA Consultants' Networks (AICN) — attend local CN meetings for ideas on how to network, market yourself, find employment opportunities and role models, and learn about contracting and consulting: <http://www.ieeeusa.org/business/aicn.menu.html>

IEEE-USA Consultants Database — This premier service matches prospective clients with the world's finest electro-technology and information-technology professionals-for-hire: <http://www.ieeeusa.org/business/consultants>

Careers and Education — <http://www.ieeeusa.org/careers/>

USAJOBS — This is the U.S. Federal Government's official one-stop source for Federal jobs and employment information: <http://www.usajobs.opm.gov/>

Professional Career Time Line — <http://www.ieeeusa.org/newspubs/features/careertimeline.htm>

10 Reasons to Become a Professional Engineer — lists advantages for becoming a registered engineer: <http://www.ieeeusa.org/careers/ieeepel.ppt>

Maine CS/EDS 2003 Newly Elected Executive Committee

Chairman	Steven Leibiger
Vice Chairman CS	Michael Esty
Vice Chairman EDS	Burcay Gurcan
Treasurer	Aaron Dries
Secretary	Steven Adler
Technical Content	Prof. James Smith
Technical Content	Jon Vogt

Many thanks to Chan Sinnett and Jason Woloszyn for their work on the 2002 and prior year executive committees. Welcome to the first time committee members Aaron Dries, James Smith, and Jon Vogt.

Steve Adler
2002 Chairman CS/EDS
steven.j.adler@nsc.com

IEEE Student Branches Fall Semester News

The Maine IEEE Section congratulates this year's UM and USM Student Branch officers as follows:

	UM	USM
Chair	John Roberts	Ryan Goodwin
Vice Chair	RoxiePaine	Rocco Sbardella
Treasurer	Jon Dunn	Mohamed Ibourk
Secretary	David Gindek	Clint Chicoin
Executive Officer	N/A	Gordon Draper
Counselor	Prof. James Patton	Prof. Carlos Luck

Campus events at UM in Orono:

UM's agenda for the semester got off to a running start with two technical talks: One by Ross Davis titled, "The Development of an Injectable Microstimulator for Functional Restoration in Neurological Diseases". The other by Ken Winter of BIW on the subject, "New Technologies and BIW".

Ken spoke about a fan with no moving parts, a speaker which could be heard crystal clear up to 400 meters, and a speaker that projected sound only straight forward with little lateral diffusion. The Branch then hosted the second Engineering Co-op Job Fair. Thirteen companies attended and nearly 300 students talked with the companies. To increase recruitment at UM and also the Student Branch, pens and polo shirts are being ordered to be used for incentives. The Branch just hosted a few high school seniors for the night so they might be attracted to enroll at UM and learn of college activities. Efforts to recruit new members are a part of the Branch's regular meetings. The Branch continuously runs a coffee shop to provide coffee, hotdogs, and pop tarts to the

student body from Barrows Hall (Electrical Engineering/Technology and Computer Engineering). Activities for next semester include technical talks and also a picnic.

Campus Events at USM in Gorham

The USM branch of the IEEE started the semester with a kick-off barbecue. About fifty people attended including students, faculty, and alumni. The Branch has been having meetings on a bi-weekly basis with an attendance of between 10 and 15 persons. Plans are now being coordinated for a trip to the University of New Hampshire to tour their engineering facilities. The trip is tentatively scheduled for January 24, 2003. The Branch is also researching the possibility of a fund-raising scramble golf tournament at the end of the school year (May 2003). Such a venture could generate a large amount of funds for the Branch's long range plans involving USM engineering student and Student Branch recruitments. The IEEE Student Branch T-shirts were displayed to the IEEE State Excom members at their October meeting. The T-shirts can be purchased on campus by students and are further used for promotional materials in contacts with visiting and/or local high school students.

Change in UM Branch Counselor

Jim Patton, the Chairman of the Electrical and Computer Engineering Department (ECE) at UMaine, will soon be leaving his position as branch counselor. Jim will be joining the National Technological University (NTU) in January as Vice-President for Academic Affairs. NTU is a leading provider of graduate engineering distance education. Jim has also previously served the Maine Section as Chair of the PES/IAS Chapter. We wish Jim the very best in his new position and thank him very much for his years of service to the Maine Section!

Another Honor for the IEEE Virtual Museum

The IEEE Virtual Museum has been selected for inclusion in the National Science Digital Library Report for Math, Engineering, and Technology (July 5, 2002), by the Internet Scout Project. To see the listing, access <http://scout.cs.wisc.edu/nsdl-reports/met/current/>. The Project has published continually since 1994. It covers only the most useful resources, considering the depth of content, the authority of the source, and how well the information is maintained and presented. A team of professional librarians, educators, and content specialists filter hundreds of announcements looking for the most valuable and authoritative resources available online. The best information is then summarized, organized, and provided to the Internet community in various formats, including email and the Web.

Visit the newest Virtual Museum exhibit, "Thomas Edison: A Lifetime of Invention," funded by the Charles Edison Fund, at www.ieee-virtual-museum.org. If you are interested in helping to expand the IEEE Virtual Museum, please contact the IEEE Development Office by telephone at +1 732 562.3915 or by email at supportieee@ieee.org.

Beacon Publishing

The Beacon is published on a monthly schedule based upon the need to advertise upcoming meetings. All material submitted for the Beacon must be received by the editor no later than the 15th of the month preceding the issue in which it should be included. Sorry, NO EXCEPTIONS!!

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