



# 2008

## ieee-usa Program Book

Published by IEEE-USA.

Copyright © 2008 by the IEEE. All rights reserved. Printed in the U.S.A.

Edited by Georgia C. Stelluto

Cover Design and Layout by Gregory O. Hill

This IEEE-USA publication is made possible through funding provided by a special dues assessment of IEEE members residing in the United States. IEEE members may copy this content for non-commercial purposes to help promote awareness of IEEE-USA and its activities. Other copying or reproduction of this material in any form is not permitted without prior written approval from the IEEE.

# Table of Contents

---

## **Table of Contents**

Introduction	4
IEEE-USA Mission and Purpose	5
IEEE-USA's Strategic Goals (2008-2012)	4
IEEE-USA's Strategic Focus for 2008	4
IEEE-USA Funding	5
Program Highlights (By Program Area)	6
Career and Member Services	6
Professional Activities	8
Government Relations	10
Communications/Public Awareness	18
Operations	23

## **Appendices**

A. IEEE-USA 2007 Board of Directors	24
B. IEEE-USA Organizational Chart	25
C. IEEE-USA Staff Organization Chart	26
D. Staff Contact List	27

# Introduction

---

The Institute of Electrical and Electronics Engineers – United States of America (IEEE-USA) is a major organizational unit of the IEEE that traces its origins to the formation of the IEEE U.S. Activities Committee in 1973. IEEE-USA was created to advance the public good and promotes the careers and public policy interests of more than 210,000 engineers, scientists and allied professionals who are U.S. members of the IEEE. IEEE-USA is led by a volunteer board of directors chaired by the member-elected IEEE-USA President. IEEE-USA's operations are supported by a professional staff of 22 based in the IEEE-USA office in Washington, D.C.

The 2008 IEEE-USA Program Book highlights the mission, goals and programs of IEEE-USA, and was developed to increase member awareness of the programs and services IEEE-USA provides to advance the profession and benefit IEEE's U.S. members. This book also serves as a reference for members seeking information on specific programs or issues, and those looking for opportunities to volunteer their time and expertise in support of their profession.

# IEEE-USA Mission and Purpose

---

As written in our by-laws, IEEE-USA's mission is to *"recommend policies and implement programs specifically intended to serve and benefit the members, engineering professionals and general public in the United States. IEEE-USA shall be the organizational unit that represents the professional interests of the IEEE before U.S. governmental bodies. It shall also be responsible for coordinating and reporting, under federal disclosure laws, all official communications with government."*

This mission is further described by IEEE-USA Policy 1.2, which defines as our organizational purposes the responsibility to:

- Promote the professional, social, economic and ethical status of electrical, electronics, communications and computer engineering, as well as computer science and allied branches of engineering; related arts, sciences and technologies; and related technical professionals in the United States, with a special emphasis on U.S. IEEE members
- Provide technical advice and policy perspectives to U.S. policy-makers at all levels in the areas of electrotechnology and information technology, to improve the quality of life and for the benefit of the public
- Work with U.S. policy-makers and regulators to enhance the careers and improve the working conditions of U.S. engineers and other technical professionals
- Develop products and services that support the lifelong professional development and career vitality needs of the IEEE's U.S. members and other technical professionals
- Support communication with and among U.S. IEEE members, potential members, their employers and the public about IEEE-USA and the professional issues that affect our members and their professions
- Enhance public awareness and understanding of electrical, electronics and computer engineering and related technical fields

## IEEE-USA Strategic Goals (2008-2012)

---

IEEE-USA's Strategic Plan for 2006-2010 represents IEEE-USA's commitment to build upon our strengths to address the challenges facing IEEE-USA and IEEE's U.S. members, as well as to bring us to a higher level of member satisfaction and financial security. This strategy will require that IEEE-USA achieve the following strategic goals:

- Serve the career and professional interests of the IEEE's U.S. members, and support lifetime member careers in engineering and related disciplines
- Increase IEEE's U.S. membership to have the greatest effect in influencing trends affecting U.S. member interests and well-being

- Along with IEEE Educational Activities, assure our members valuable and affordable graduate-level educational products, to provide lifetime learning and to avoid obsolescence
- Advance public policies that are technically sound, advance the public welfare, and serve the needs of the engineering profession and U.S. IEEE members
- Use state-of-the-art communication tools and practices to assure that IEEE's U.S. members solidly understand and appreciate IEEE-USA's programs and services, and to provide our members with an influential role in the larger public community
- Promote and nurture communities of interest among our members and volunteers in conjunction with Member & Geographic Activities, Technical Activities, Educational Activities, and Standards in areas of technology, public policy and career management to optimize the interests of our members and volunteers

We must focus our resources on high priority activities, where we can have clear impact. In support of these goals, IEEE-USA has identified a number of strategic activities supported by operational plans reflected in this program book, and which are also detailed at:

**[www.ieeeusa.org/volunteers/files/IEEE-USAStrategicPlan2008.pdf](http://www.ieeeusa.org/volunteers/files/IEEE-USAStrategicPlan2008.pdf)**

## IEEE-USA's Strategic Focus for 2008

As outlined by IEEE-USA President Russell Lefevre, IEEE-USA's strategic focus for 2008 encompasses the following priority activities:

### **1. Promoting innovation and competitiveness**

- Urging U.S. Congress and the administration to fund Federal S&T programs at levels authorized in the *America Competes Act*
- Continuing year two of the implementation plan and evaluating progress of IEEE-USA's Innovation Institute
- Promoting immigration reforms that will enable our country to admit technical talent as new Americans
- Continuing to work with other IEEE OUs to sponsor high-tech workshops and conferences to highlight policy aspects of emerging technologies
- Identifying and recommending policies to strengthen U.S. manufacturing capabilities
- Expanding cooperative activities in these and other areas of mutual interest with the Semiconductor Industries Association and other industry/trade groups

## **2. Supporting K-12 math and science education to encourage technical literacy and train future technologists**

- Supporting expansion of the IEEE-Educational Activities Teacher-in-Service Partnerships into Region 6; and with awards and grants that encourage teacher-engineer partnerships
- Supporting other national pre-university programs
- Helping promote the IEEE-sponsored PBS *Design Squad* television program
- Urging Congress to support funding for key federal K-12 STEM educational programs
- Publicizing the TryEngineering.org web portal
- Encouraging IEEE members to support local initiatives to increase understanding of engineering and science in the K-12 environment
- Continuing to support the *Future Cities* competition, *Introduce a Girl to Engineering*, and *Family Day* programs, as part of IEEE-USA's co-sponsorship of Engineers Week

## **3. Offering increased member value in products and services**

- Adding/continuously improving IEEE-USA's CareerNavigator and its career-related online tools and resources, including enhancements to the Career Check-Up, IEEE-USA's Salary Service and the Consultants Directory
- Working with MGAB and PSPB to launch an integrated IEEE Career Portal online
- Conducting and publishing surveys on compensation, consultants fees and unemployment
- Offering a full schedule of career enhancement workshops and webinars
- Targeting assistance to mid- and late-career engineers in the form of a "Globalization Toolkit" of products, information and services
- Conducting an engineering skills symposium to identify skills in high demand by industry
- Holding three Innovation Forums and related activities to provide innovation education

## **4. Providing serious, career-long continuing education to maintain a competitive U.S. work force, and to preserve careers**

- Helping IEEE Educational Activities promote the *IEEE Expert Now* and *Educational Partnership Program* continuing education programs
- Expanding educational content in IEEE-USA/IEEE publications
- Promoting benefits of IEEE technical society membership
- Offering IEEE-USA *soft-skills* courses and a related webinar series
- Encouraging U.S. congressional action to address negative effects of globalization

In addition to these continuing strategic priorities, IEEE-USA will put additional emphasis on the following areas in 2008:

- Improving member outreach and communications
- Diversifying and expanding IEEE-USA non-assessment revenues through partnered conferences on emerging technology issues
- Supporting a proactive membership marketing/development effort in the United States
- Promoting professional activities, and the adaptation and deployment of IEEE-USA products and services by Regions 7-10

## IEEE-USA Funding

---

IEEE-USA operates on an annual budget approved by the IEEE Board of Directors. IEEE-USA's 2008 operations budget is \$5.27 million, plus a \$50K reserve contingency to cover anticipated expenses related to the relocation of the Washington office and staff with the expiration of our current lease. This budget supports the programs, volunteer activities and staff highlighted in this book.

IEEE-USA's budget is primarily funded through a mandatory assessment of all U.S. IEEE Higher Grade members, which is indexed to inflation. The 2008 assessment is \$36. This assessment generates approximately 92% of IEEE-USA's operating revenues. IEEE-USA is working to expand its non-dues revenues from conference registrations, proceedings, and sales of products and services, which currently comprise 8% of total revenues.

In addition to IEEE-USA's operating budget, tax-deductible member contributions to the IEEE-USA Fund provide seed money for new career and professional programs and services. For information on how you can support IEEE-USA through a voluntary contribution, see: **[www.ieeeusa.org/about/development.asp](http://www.ieeeusa.org/about/development.asp)**.

IEEE-USA's 2008 Treasurer is James M. Howard.

## Program Highlights

---

IEEE-USA's programs are organized into four basic operational areas: Career & Member Services, Professional Activities, Government Relations, and Communications and Public Awareness, each of which operates under the direction and oversight of an IEEE-USA Vice President. Program highlights are appended below by operational area and program.



## Career and Member Services

---

Led by 2008 IEEE-USA Vice President John Twitchell, IEEE-USA Career and Member Services encompasses programs designed to support IEEE U.S. members and their careers; assist them in employment and career transitions; enhance their professional status and recognition; and help sustain the engineering educational pipeline. Specific program offerings include:

**Consultants Services:** IEEE-USA's Consultants Services program consists of a directory of local IEEE Consultants Networks, annual consultants' workshops and publications, and the online Consultants Database. The database is a fee-based listing service that connects technical consultants with potential clients, including a questionnaire-based tool that matches consultants to projects. 2008 priorities include launching the net generation online Consultants Database, and publishing the 2008 Consultants Profile based on survey data.

Budget:	\$6K (Revenues: \$40K)
Oversight:	Alliance of IEEE Consultants Networks (Gary L. Blank, Chair)
Staff Contact:	Scott Grayson, s.grayson@ieee.org
URL:	<a href="http://www.ieeeusa.org/business/">www.ieeeusa.org/business/</a>

**Employment & Career Services:** IEEE-USA offers a package of services and publications designed to enhance members' careers and assist those in career transition. Programs/services include the IEEE-USA Salary Service (salary survey and salary calculator), Employment & Career Strategies virtual community, publications (e.g., *Career Planning Guide*, *Beyond Job Satisfaction Workbook*), online courses, EmploymentNavigator job listings (complementing the IEEE Job Listing Service), and PE Review videos. The services are delivered through the IEEE-USA CareerNavigator website. 2008 priorities include launching the new IEEE Career Portal webpage and a new Salary Service application, releasing a *Globalization Toolkit* resource for mid-career engineers, and conducting an *Engineering Skills Symposium* to identify and disseminate information about skill areas in high demand by employers.

Budget:	\$32.7K (Revenues: \$55K)
Oversight:	Employment & Career Services Committee. (Peggy Hutcheson, Chair) Programs are also coordinated with IEEE Member and Geographic Activities and Publications through the IEEE Careers Committee.
Staff Contact:	Scott Grayson, s.grayson@ieee.org
CareerNavigator URL:	<a href="http://www.ieeeusa.org/careers/">www.ieeeusa.org/careers/</a>
Employment & Career Strategies URL:	<a href="https://www.ieeecommunities.org/ecs">https://www.ieeecommunities.org/ecs</a>
Salary Service URL:	<a href="http://www.ieeeusa.org/careers/salary/">www.ieeeusa.org/careers/salary/</a>

**Entrepreneurs Services:** IEEE-USA's Entrepreneurs' Village provides an online community and tool kit developed by and for entrepreneurs to help them network, share information and mentor prospective entrepreneurs. IEEE-USA has partnered with LifeScience Alley to create TechMatch, an entrepreneurs' event slated for 12 May 2008, in conjunction with the MedTech Investing Conference (13-14 May) in Minneapolis. TechMatch's goal is to provide a venue for small and emerging medical device companies to meet with Chief Technology Officers of larger life science/medical device firms, as well as with venture capitalists, corporate investors and angel investors.

Budget: \$18K  
 Oversight: Entrepreneurs Committee (Mauro Togneri/David Ostfeld, Co-Chairs)  
 Staff Contact: Scott Grayson, s.grayson@ieee.org  
 URL: [www.ieeeusa.org/careers/entrepreneurs/default.asp](http://www.ieeeusa.org/careers/entrepreneurs/default.asp)

**Innovation Institute:** In 2007, IEEE-USA launched its Innovation Institute and held its first Innovation Forum. The Innovation Institute's mission is to prepare and advance leaders responsible for innovating new products and services by sharing the experiences of successful innovators in a coordinated program of interaction, mentoring and networking. Current plans call for IEEE-USA to hold three Innovation Forums in 2008 and begin planning for a 2009 Innovation Conference.

Budget: \$25K (plus \$186K unbudgeted revenues/\$165K expenses from workshops)  
 Oversight: Ralph Wyndrum, 2006 IEEE-USA President  
 Staff Contact: Scott Grayson, s.grayson@ieee.org  
 URL: <http://innovation-institute.org>

**Licensure & Registration:** IEEE-USA distributes information on licensure, monitors and provides input on changes in state licensure law, and provides input to the National Council of Examiners for Engineering and Surveying (NCEES) concerning P.E. exam questions and format. Revenues are derived from sale of PE Examination Review preparatory tapes.

Budget: \$16K (\$10K revenues)  
 Oversight: Licensure & Registration Committee (Richard Schwarz, Chair)  
 Staff Contact: Vin O'Neill, v.oneill@ieee.org  
 URL: [www.ieeeusa.org/volunteers/committees/lrc/](http://www.ieeeusa.org/volunteers/committees/lrc/)

**Precollege Education:** Through a series of targeted efforts, IEEE-USA seeks to support improvements in the math, science and technology education of U.S. precollege students and to help raise their functional and technological literacy. In addition to coordinating member and financial support for IEEE Educational Activities Board's Teacher-in-Service, TryEngineering.Org, and other technical literary programs, IEEE-USA provides Teacher Grants and recognizes teacher-engineer collaborations with its Teacher-Engineer Partnership Award. 2008 priorities include funding the expansion of the IEEE Teacher-in-Service program to Region 6, and increasing the number of awards provided through the Teacher Grant Program to support teacher-engineer collaborations.

Budget: \$33.6K  
 Oversight: Precollege Education Committee (Rama Shastri, Chair)  
 Staff Contact: Sandra Kim, [sandra.kim@ieee.org](mailto:sandra.kim@ieee.org)  
 URL: [www.ieeeusa.org/volunteers/committees/pec/](http://www.ieeeusa.org/volunteers/committees/pec/)

## ***Professional Activities***

---

Led by 2008 Vice President Winnfort Myles, IEEE-USA professional activities programs support the Professional Activities Committees for Engineers (PACE), which are volunteer entities established in IEEE U.S. regional, sections, student branches, divisions, technical societies and chapter organizations. IEEE-USA helps coordinate this PACE Network within the United States, and assists these efforts to help member outreach to the public; develop an awareness of professional issues; and develop U.S. member skills in such areas as job searching, communications and project management. PACE programs encompass meetings, conferences, competitions, networks, publications and other activities focused primarily on the non-technical aspects of technology careers. Key program elements include:

**Annual Meeting:** The Annual Meeting disseminates information to volunteers on IEEE-USA's key missions, goals and priorities and provides a mechanism for communicating member interests and concerns. It supports the PACE Network's effort to train leaders and disseminate information, products and services to members through local sections and chapters. Other program components include technical tutorials and career-related continuing education sessions designed to build soft-skills and tools for professional development, job search and networking. In addition to the Annual Meeting operating budget, IEEE-USA distributes an additional \$38K to U.S. regions/divisions to support participation.

Budget: \$67.3K (Revenues: 67.3K) (plus \$38K in regional/division support)  
 Oversight: Annual Meeting Committee (Jean Eason, Chair)  
 Staff Contact: Sandra Kim, [sandra.kim@ieee.org](mailto:sandra.kim@ieee.org)  
 URL: [www.ieeeusa.org/volunteers/committees/pec/](http://www.ieeeusa.org/volunteers/committees/pec/)

**PACE Network:** PACE (Professional Activities Committees for Engineers) is a grassroots network of IEEE volunteers and committees organized at the IEEE Section and Chapter level in the United States, with support from their respective regions and the IEEE-USA. The PACE Network promotes the professional interests of IEEE's U.S. members and provides a mechanism for communication of members' views on their professional needs. Through PACE, IEEE-USA provides advice, speaker lists and limited funding support to U.S. IEEE Regions and Sections to help them sponsor professional development seminars, including Professional Development Seminars (formerly Member Professional Awareness Conferences). Professional development seminars cover a broad range of career and professional topics, such as active career management, negotiation, consulting, and setting up a business. It also often provides a venue for briefings and discussion on public policy issues of interest to the engineering profession.

Budget: \$37.8K  
 Oversight: PACE Committee (Ted Carr, Chair)  
 Staff Contact: Sandra Kim, [sandra.kim@ieee.org](mailto:sandra.kim@ieee.org)  
 URL: [www.ieeeusa.org/volunteers/pace/](http://www.ieeeusa.org/volunteers/pace/)

**Professional Development Fund:** IEEE-USA will allocate \$85K in funding to the six U.S. Regions and to the IEEE technical Divisions in 2008 on a formula basis to support local and regional professional activities. No more than 25% of the funds distributed can be used to support participation in the IEEE-USA Annual Meeting.

Budget: \$85K  
 Oversight: Vice President, Professional Activities  
 Staff Contact: Sandra Kim, [sandra.kim@ieee.org](mailto:sandra.kim@ieee.org)

**Student Professional Activities:** IEEE-USA provides advice, speaker lists and limited funding to IEEE U.S. student branches to support Student Professional Awareness Conferences (SPACs) and Ventures (SPAVes). SPACs are student-organized conferences/workshops where students listen to experienced engineers from diverse backgrounds discuss topics related to Career Growth, Working, Professional Ethics/Social Responsibility, Self-Management, Engineers & Public Policy, and/or the Importance of Professional Society Membership. SPAVs encompass other types of projects or activities conceived and implemented by IEEE Student Branches to develop an awareness of engineering professionalism. SPACs and SPAVs not only promote professional awareness for participants, but also provide valuable management experience for student organizers. Each year, IEEE-USA typically sponsors 40-50 of these activities. During 2008, the SPAC Committee will experiment with a new expanded format, dubbed the *Student Professional Activities Workshop* (SPAW).

Budget: \$54.8K  
 Oversight: Student Professional Activities Committee (Erin Hogbin, Chair)  
 Staff Contact: Sandra Kim, [sandra.kim@ieee.org](mailto:sandra.kim@ieee.org)  
 URL: [www.ieeeusa.org/volunteers/committees/spac/](http://www.ieeeusa.org/volunteers/committees/spac/)

**PACE Government Activities:** IEEE-USA's Government Activities Committee (GAC) provides a channel for communication and coordination between IEEE-USA and the volunteers appointed to support government activities for their respective regions, states and/or sections. Monthly conference calls give IEEE-USA a chance to explain what we are working on in Washington, D.C., and answer questions about political developments. The calls also give the regional representatives a chance to discuss local and state-level political efforts they are engaged in, and help to identify state-level political trends that could impact our profession.

Budget:	\$4.6K
Oversight:	Government Activities Committee (Don Hill, Chair)
Staff Contact:	Russell Harrison, <a href="mailto:r.t.harrison@ieee.org">r.t.harrison@ieee.org</a>
URL:	<a href="http://www.ieeeusa.org/volunteers/committees/gac/">www.ieeeusa.org/volunteers/committees/gac/</a>

## Government Relations

---

Led by 2008 Vice President Peter Eckstein, IEEE-USA government relations programs (**[www.ieeeusa.org/policy](http://www.ieeeusa.org/policy)**) are directed toward the related goals of:

- Informing and educating IEEE's U.S. members on public policy issues of professional concern
- Informing and educating U.S. public policy-makers on the technical implications of important public policy issues
- Advocating specific public policy positions to policy-makers at the federal, state and local levels on technology and career-related issues of concern to U.S. IEEE members.

These goals are accomplished through direct and grassroots lobbying, government fellowships and internships, publications and related informational programs, amicus curiae filings in federal and state courts, and related activities.

Each year, in addition to approving the government relations program budget, the IEEE-USA Board of Directors endorses a slate of public policy priorities as an advocacy focus for the forthcoming congressional session. IEEE-USA's public policy priorities for 2008 (110th Congress, 2nd Session) are innovation & competitiveness; patent reform; immigration reform (issues related to skilled/technical workers); engineering workforce security; energy independence; critical infrastructure protection; and E-health. For issue information and status reports, see:

**[www.ieeeusa.org/policy/issues/index.html](http://www.ieeeusa.org/policy/issues/index.html)**

Members with questions regarding the compatibility of lobbying activities with IEEE's not-for-profit status should note that IEEE has made the IRS 501-H tax election, which provides a "safe-harbor" for allowable lobbying activities with expenditures of up to \$1 million annually on non-partisan U.S. lobbying activities (defined as efforts to influence specific legislation). IEEE-USA discloses its lobbying activities through biannual reports to congress, and also supports IEEE's tax disclosures through the annual IRS Form 990, Schedule A filing. For more information on applicable lobbying laws, contact IEEE-USA Managing Director Chris Brantley at [c.brantley@ieee.org](mailto:c.brantley@ieee.org)

Key components of IEEE-USA's government relations program include:

**Career & Workforce Policy:** IEEE-USA proactively addresses career-related policy issues, with a focus on the career-related needs of IEEE's U.S. members and the overall health of the U.S. engineering work force. Our scope includes both public and private sector policymaking that directly affects the education, credentialing, employment, compensation, training and retirement security of technical professionals. Current focus issues include immigration reform; reform of the H-1B visa system; retirement security; health security/association health plans; and federal support of K-12 science, technology, engineering and math programs. Activities include direct and grassroots advocacy, webinars, presentations and related outreach efforts.

Budget: \$30K  
 Oversight: Career & Workforce Policy Committee (Ed Perkins, Chair)  
 Staff Contact: Vin O'Neill, v.oneill@ieee.org  
 URL: [www.ieeeusa.org/volunteers/committees/cwpc/](http://www.ieeeusa.org/volunteers/committees/cwpc/)

**Communications Policy:** IEEE-USA promotes formulation of sound legislation, regulation and policies relating to communications, computer and information technology development. Current focus issues include telecommunications reform and deregulation legislation, advancing broadband deployment, policy implications of RFID technology, and proposed reforms to FCC governance and radio-frequency spectrum management. IEEE-USA supports the RFID Technology Council and the Senate RFID Caucus, as well as sponsoring the IEEE International RFID Conference.

Budget: \$17K  
 Oversight: Communications Policy Committee (Doug Taggart, Chair)  
 Staff Contact: Deborah Rudolph, d.rudolph@ieee.org  
 URL: [www.ieeeusa.org/volunteers/committees/ccip/](http://www.ieeeusa.org/volunteers/committees/ccip/)

**Critical Infrastructure Protection:** In response to the post 9/11 security environment, IEEE-USA seeks to support government efforts to enhance the security of critical national infrastructures, with a focus on cybersecurity, spyware, the interoperability of communication systems, and uses of information technologies in security applications.

Budget: \$6K  
 Oversight: Critical Infrastructure Protection Committee (Michael Del Rosso, Chair)  
 Staff Contact: Deborah Rudolph, d.rudolph@ieee.org  
 URL: [www.ieeeusa.org/volunteers/committees/cipc/](http://www.ieeeusa.org/volunteers/committees/cipc/)

**Energy Policy:** IEEE-USA seeks to address all aspects of the United States, regional, state, or local energy situations, and apply the engineering knowledge and skills of U.S. IEEE members to make a constructive contribution to legislation, regulation, or policy. Current focus issues include reliability of the national electric transmission and distribution system (including establishing a national Electric Reliability Organization); developing advanced energy technologies; plug-in hybrid vehicles; the International Thermonuclear Reactor (ITER); and restructuring the electric power industry. Recent activities include co-sponsoring a workshop for Washington policy-makers on *Wind Power: Technology, Economics and Politics* as part of the IEEE Technology Discourses project.

Budget: \$17K  
 Oversight: Energy Policy Committee (Tom Gentile, Chair)  
 Staff Contact: Bill Williams, [bill.williams@ieee.org](mailto:bill.williams@ieee.org)  
 URL: [www.ieeeusa.org/volunteers/committees/rdc/](http://www.ieeeusa.org/volunteers/committees/rdc/)

**Eye on Washington (newsletter):** *EOW* is a biweekly e-newsletter available free to opt-in subscribers through the *IEEE What's New* e-mail update service, which highlights important federal legislative and regulatory developments affecting U.S. engineers and their careers. In addition to this biweekly newsletter, subscribers to *Eye on Washington* receive occasional legislative bulletins and action alerts on IEEE-USA priority issues.

Budget: \$0K  
 Staff Contact: Erica Wissolik, [e.wissolik@ieee.org](mailto:e.wissolik@ieee.org)  
 URL: [www.ieeeusa.org/policy/eyeonwashington/](http://www.ieeeusa.org/policy/eyeonwashington/)  
[www.ieeeusa.org/communications/emailupdates/default.asp](http://www.ieeeusa.org/communications/emailupdates/default.asp)

**Government Fellowships:** Each year, IEEE-USA offers fellowships for qualified U.S. IEEE members to spend a year in Washington, D.C., serving on the staff of a Member of Congress, a congressional committee, or within a bureau/office at the United States Department of State. Normally, IEEE-USA recruits two Congressional Fellows and one Engineering & Diplomacy Fellow each year. IEEE-USA's Government Fellowships link engineers with government, providing a mechanism for IEEE-USA Government Fellows to learn first-hand about the public policy process through personal involvement, and to apply their knowledge and experience toward the developing technically-sound public policies.

Budget: \$219K  
 Oversight: Government Fellows Committee (Ned Sauthoff, chair)  
 Staff Contact: Erica Wissolik, [e.wissolik@ieee.org](mailto:e.wissolik@ieee.org)  
 URL: [www.ieeeusa.org/policy/govfel/default.asp](http://www.ieeeusa.org/policy/govfel/default.asp)



**Grassroots Activities (CARE Network):** IEEE-USA enlists U.S. IEEE members as grassroots advocates through the Congressional Advocacy Recruitment Effort (CARE) Network. CARE is a voluntary network of U.S. IEEE members who receive and take action on IEEE-USA Legislative Updates and Action Alerts on specific legislation. The grassroots program also includes outreach through speaker support at conferences, and IEEE Region and Section meetings. These and other such venues inform IEEE's U.S. members about public policy issues, help raise member awareness and understanding of public policy processes, and educate members on why engineering involvement is important. Related grassroots activities include participation in the multi-society Science, Engineering & Technology Congressional Visits Day (CVD) held each Spring on Capitol Hill.

Budget: \$35.6K  
 Oversight: Vice President, Government Relations (Peter Eckstein)  
 Staff Contact: Russell Harrison, r.t.harrison@ieee.org  
 URL: [www.ieeeusa.org/policy/care/](http://www.ieeeusa.org/policy/care/)

**Intellectual Property:** IEEE-USA addresses intellectual property policy as it relates to the interests of IEEE's U.S. members (employed engineers, faculty, scientists, inventors, entrepreneurs, etc.) and its implications for fast moving technology, technology transfer, and U.S. competitiveness. Current focuses include efforts to reform the U.S. patent system; enhancing inventor's rights; and proposing methods to discourage the practice of "patent trolling." In recent years, IEEE-USA has also filed amicus curiae briefs before the United States Supreme Court, successfully advocating the adoption of an "active inducement" standard for digital copyright infringement in *MGM vs. Goldwyn-Mayer* and a "foreseeable bar" standard for patent amendment cases in *Festo Corp. v. Shoketsu Kinzoku Kogyo Kabushiki Co.*

Budget: \$28.1K  
 Oversight: Intellectual Property Committee (Keith Grzelak, Chair)  
 Staff Contact: Erica Wissolik, e.wissolik@ieee.org  
 URL: [www.ieeeusa.org/volunteers/committees/ipc/](http://www.ieeeusa.org/volunteers/committees/ipc/)

**Legislative Initiative Fund:** A discretionary fund controlled by the IEEE-USA Presidents, the Legislative Initiative Fund is used to support high priority government relations projects and advocacy efforts on an as needed.

Budget: \$30K  
 Oversight: IEEE-USA Presidents (Russell Lefevre, Gordon Day and John Meredith)  
 Staff Contact: Erica Wissolik, e.wissolik@ieee.org  
 URL: [www.ieeeusa.org/volunteers/committees/mtpc/](http://www.ieeeusa.org/volunteers/committees/mtpc/)



**Medical Technology Policy:** IEEE-USA seeks to assist in the formulating medical technology legislation, regulation and policy in the United States. Current policy focuses are issues involved in establishing national health information systems, including electronic medical records, privacy, interoperability of systems, and the National Health Information Network. Other issues of interest include the role of technology in improving health care/patient safety; the quality of health information on the Internet; and social/ethical issues related to use of genomic information. IEEE-USA participates in the Coalition for Genetic Fairness.

Budget: \$17.2K  
 Oversight: Medical Technology Policy Committee (Michael Corrigan, Chair)  
 Staff Contact: Deborah Rudolph, d.rudolph@ieee.org  
 URL: [www.ieeeusa.org/volunteers/committees/mtpc/](http://www.ieeeusa.org/volunteers/committees/mtpc/)

**Research & Development Policy:** IEEE-USA promotes strong federal investments in engineering (civilian and defense) research and development in the United States, with the broader goal of promoting innovation and U.S. technological competitiveness, and enhancing homeland security. IEEE-USA also addresses related policy and regulatory issues, such as technology-related export controls and post-9/11 visa restrictions on travel of international researchers.

In addition to a strong advocacy focus, IEEE-USA attempts to educate members on key R&D budget trends through an annual Engineering Societies R&D Symposium ([www.engineeringpolicy.org/RD\\_Symposium.cfm](http://www.engineeringpolicy.org/RD_Symposium.cfm)), and to educate Congress on selected R&D topics by co-chairing the Advisory Committee to the Congressional R&D Caucus (see [www.researchcaucus.org](http://www.researchcaucus.org)).

IEEE-USA also participates as a member of the Coalition for National Science Funding, the Coalition for National Security Funding, the Council on Competitiveness, and the R&D Tax Credit Coalition.

Budget: \$17.2K  
 Oversight: R&D Policy Committee (Jim Bielefeld, Chair)  
 Staff Contact: Bill Williams, bill.williams@ieee.org  
 URL: [www.ieeeusa.org/volunteers/committees/rdc/](http://www.ieeeusa.org/volunteers/committees/rdc/)

**Transportation and Aerospace Policy:** IEEE-USA seeks to contribute engineering perspectives to formulating sound U.S. legislation, regulation and policy in aviation; intelligent transportation; and other air, space and ground transportation issues. Current issues focuses include using technology to increase security of the intermodal transportation system; maintaining a strong national aerospace R&D program at NASA; and the overall redirection of NASA's general mission. IEEE-USA participates in the Aviation R&D Coalition.

Budget: \$17.2K  
 Oversight: R&D Policy Committee (Edge Nowlin, Chair)  
 Staff Contact: Bill Williams, bill.williams@ieee.org  
 URL: [www.ieeeusa.org/volunteers/committees/ctap/](http://www.ieeeusa.org/volunteers/committees/ctap/)

**Washington Internships for Students of Engineering (WISE):** Each year, IEEE-USA, the IEEE Life Members Committee and IEEE Technical Activities jointly sponsor three IEEE student members to participate in the Washington Internships for Students of Engineering (WISE). Through WISE, outstanding engineering students from five sponsoring societies are selected to spend nine weeks in a special summer program in Washington, D.C., to learn how government officials make decisions on complex technological issues, and how engineers can contribute to legislative and regulatory public policy decisions. Student research is published in the WISE E-Journal of Engineering and Public Policy.

Budget: \$10K (IEEE-USA)  
 Oversight: WISE Task Force (Thomas Fagan, Chair)  
 Staff Contact: Erica Wissolik, e.wissolik@ieee.org  
 URL: <http://www.wise-intern.org>

## ***Communications and Public Awareness***

---

Led by 2008 Vice President Paul Kostek, IEEE-USA's Communications and Public Awareness programs encompass several related communications, public relations and publishing functions:

- Keeping U.S. IEEE members informed of new products and services, as well as IEEE-USA and IEEE accomplishments
- Using communications and public relations tools to advance IEEE-USA's government relations agenda through the public media
- Informing and educating the members on trends, issues, skills and opportunities of potential benefit to them and to the engineering profession
- Recognizing volunteer service to the IEEE, engineering professionals and the public through awards and recognitions
- Raising awareness among members and the general public about science and technology generally, and about issues affecting technology professionals' careers
- Improving the public's understanding and appreciation of engineers and their contributions to society

Key components of the communications and media relations program include:

**IEEE-USA E-Book Series:** A new series of career, professional and public policy-related electronic publications on topics of interest to all IEEE members, especially U.S. members, and other targeted audiences (e.g. policy-makers). The vision for and mission of this program is to make engineering career guidance and development books, as well as books on tech policy available online to IEEE members at a member discount. The e-books also include free offerings, such as the *IEEE-USA Program Book*, the *IEEE-USA Annual Report*; and *IEEE-USA Consultants Survey Reports*.

E-book topics include innovation, soft skills for engineers, career guidance and development, management, career transitions, employment, entrepreneurship, and technology policy and legislation topics. The program also offers compilation e-books from the best of the *IEEE-USA Today's Engineer* archives. Sample titles released to date include: *The Innovation Process: Energizing Values-Centered Innovation*, *Educating 21st Century Engineers*, *Profile of IEEE Consultants 2007*, *The Best of Today's Engineer on Career Survival*, *Interoperability for the National Health Information Network*, and *The State of Radio Frequency Identification and its Policy Implications*.

Budget:	\$4k (Revenues: \$5K)
Oversight:	Communications Committee (Paul Kostek, Chair)
Staff Editor:	Georgia C. Stelluto, g.stelluto@ieee.org
URL:	<a href="http://www.ieeeusa.org/communications/eBooks/">www.ieeeusa.org/communications/eBooks/</a>

**IEEE-USA Today's Engineer Digest:** *IEEE-USA's Today's Engineer Digest*, a four-page print magazine, is the only IEEE-USA print publication mailed directly to each U.S. IEEE member. The *Digest* features short news and feature items on career and public policy issues affecting U.S. IEEE members. Published twice annually, in March and October, the *Digest* is also part of a special outreach to U.S. IEEE student members and potential members, with multiple copies drop-shipped to accredited U.S. engineering universities. The *Digest* is supplemented by five, one-page, advertorial inserts in *IEEE Spectrum*.

Budget:	\$150k
Editor-in-Chief:	Terrance Malkinson
Oversight:	Communications Committee (Paul Kostek, Chair)
Staff Contact/Managing Editor:	Georgia C. Stelluto, g.stelluto@ieee.org
URL:	N/A

**IEEE-USA Today's Engineer E-mail Update:** A monthly, opt-out email news service sent to all U.S. IEEE members to highlight career and public policy-related news and product information affecting U.S. IEEE members.

Budget:	\$0 (Revenues: \$45K from advertising)
Oversight:	Communications Committee (Paul Kostek, Chair)
Staff Contact:	Greg Hill, g.hill@ieee.org
URL:	<a href="http://www.ieeeusa.org/communications/emailupdates">www.ieeeusa.org/communications/emailupdates</a>

**IEEE-USA Today's Engineer Online:** *IEEE-USA's Today's Engineer Online* is a monthly Web publication devoted to the issues affecting U.S. IEEE members' careers, such as professionalism, management skills, engineering performance, engineering skills and competencies, product development practices, project management issues, innovation and entrepreneurship, and business practices. Additionally, *Today's Engineer Online* includes articles and commentary on the topics that are shaping legislation, the technology workplace, and the engineering world. *TE Online* strives to provide insights into both hemispheres of IEEE-USA's operations — building careers and shaping public policy.

Budget:	\$23.3K
Oversight:	Communications Committee (Paul Kostek, Chair)
Staff Contact/Managing Editor:	Greg Hill, g.hill@ieee.org
URL:	<a href="http://www.todaysengineer.org">www.todaysengineer.org</a>

**Other Communications:** In addition to the publications above, IEEE-USA budgets \$15.1K for support of the IEEE-USA Communications Committee and preparation of the *IEEE-USA Annual Report*. An additional \$5K is budgeted for exhibition of the IEEE-USA Traveling Display at IEEE-USA meetings, IEEE technical conferences, and other meetings and events.

**Media Relations:** Through media relations, IEEE-USA works to increase public and member awareness of IEEE-USA programs and activities; coordinates responses to media inquiries regarding career and public policy issues affecting U.S. IEEE members; and monitors IEEE-USA coverage in the national media. IEEE-USA spokespersons have been quoted in such publications as *The New York Times*, the *Wall Street Journal* and *The Washington Post*; and appeared on such television programs as CNN's *Lou Dobbs Tonight* and the *CBS Evening News*. See coverage highlights of IEEE-USA in the news at: **[www.ieeeusa.org/communications/inthenews](http://www.ieeeusa.org/communications/inthenews)**

Budget:	\$49.2K
Staff Contact:	Chris McManes
URL:	<a href="http://www.ieeeusa.org/communications/releases/">www.ieeeusa.org/communications/releases/</a>

**Awards & Recognitions:** IEEE-USA's awards program is designed to recognize outstanding performance in furthering the objectives of IEEE-USA and the professional aims of the IEEE. IEEE-USA's slate of recognitions includes awards for engineering professionalism, IEEE Region and Division professional leadership, and professional achievement. Technical awards include the *Harry Diamond Award* and the *Technology Transfer Award*. Other awards given are for distinguished public service, literary contributions advancing engineering professionalism, and literary contributions advancing public understanding of the profession.

Budget:	\$27.9K
Oversight:	Awards & Recognitions Committee (Diane Collier, Chair)
Staff Contact:	Sandra Kim, sandra.kim@ieee.org
URL:	<a href="http://www.ieeeusa.org/volunteers/awards/">www.ieeeusa.org/volunteers/awards/</a>

**General Public Awareness:** IEEE-USA has been actively involved in promoting public awareness of engineers and engineering since 1981. Working in tandem with sister organizations, IEEE-USA works to foster the positive public image of engineers and engineering through targeted outreach efforts that communicate how U.S. IEEE members and technical professionals improve the quality of life in the United States and in their local communities; and how U.S. IEEE members and technical professionals promote diversity and ethical behavior in the profession.

**Discoveries & Breakthroughs:** IEEE-USA participates in this collaborative program organized by the American Institute of Physics, which develops 150 TV news spots annually on technology-related topics for distribution to over 65 U.S. TV markets, reaching an audience of 65-million households. IEEE-USA's involvement ensures inclusion of stories featuring electro- and computer technologies, such as a robotic arm for stroke victims, high-tech captioning, a mouse adapter for individuals with hand tremors, and oxyride batteries. "Discoveries" video spots are available on-line and can be used by IEEE volunteers making presentations to students in middle and high schools.

Budget:	\$30K (funding from voluntary contributions)
Oversight:	Communications Committee (Paul Kostek, Chair)
Staff Contact:	Pender McCarter, p.mccarter@ieee.org
URL:	<a href="http://www.aip.org/dbis/">www.aip.org/dbis/</a>

**Mass Media Fellows:** Each year, IEEE-USA sponsors participation by one to two U.S. IEEE graduate students in the Mass Media Fellowship Program of the American Association for the Advancement of Science (AAAS) to help improve public communication about engineering and the sciences. Media Fellows spend 10 weeks reporting on science and technology-related stories and assisting print and broadcast journalists at popular media outlets such as *Scientific American*; WNBC-TV (New York); *Popular Science*; WOSU-AM, in Columbus, Ohio; the *St. Louis Post-Dispatch*; and the *Richmond Times-Dispatch*. In 2007, Mass Media Fellows were collectively responsible for more than 350 first-run stories on science and technology.

Budget:	\$17K (funding from voluntary contributions)
Oversight:	Communications Committee (Paul Kostek, Chair)
Staff Contact:	Pender McCarter, p.mccarter@ieee.org
URL:	<a href="http://www.aaas.org/programs/education/MassMedia/">www.aaas.org/programs/education/MassMedia/</a>

**National Engineers Week (EWeek):** Each year, IEEE-USA joins with other engineering societies in organizing a host of events and activities in celebration of engineers and the engineering profession as part of Engineers Week. EWeek also serves to raise public awareness of engineers and their contributions to society. In the United States, EWeek is held in conjunction with George Washington's Birthday each February. IEEE-USA's EWeek activities include sponsorship of the annual EWeek Family Day at the National Building Museum in Washington, D.C., and support for the Future City Competition, including presentation of the Best Communications System Award.

Budget: 36K (\$15K from voluntary contributions)  
 Oversight: Communications Committee (Paul Kostek, Chair)  
 Staff Contact: Chris McManes, c.mcmanes@ieee.org  
 URL: [www.eweek.org](http://www.eweek.org)

**Special Public Awareness Projects:** Each year, IEEE-USA responds to a number of unique public awareness opportunities that arise, largely involving collaborations with other organizations. IEEE-USA supports these special projects and events with volunteers, staff and funding from member contributions where needed. Some examples of special projects in recent years include support for the Extraordinary Women of Engineering project; promotion of the Sundance Sloan Foundation Award winning film *Primer*, which was directed and produced by IEEE member Shane Carruth; recognition for student achievement in *Engineers Without Borders-USA* (\$5K); and support for the *AAES Voices of Innovation* radio campaign.

In the special projects category for 2008, IEEE-USA is promoting IEEE participation in the WGHB *Design Squad* television production. *Design Squad* is a weekly engineering game show targeted at pre-teens that began broadcast nationally on PBS beginning in February 2007. IEEE-USA is also sponsoring an *Engineering Video Contest*, in which student engineers are challenged to create a 90-second video clip that portrays some aspect of engineering in a socially constructive, appealing and fun way to an 11-to-13 year-old audience. And IEEE-USA's Awards and Recognitions program is recognizing journalists for furthering the public's understanding of the engineering professional with two \$1,500 honorariums.

Budget: \$25K (from voluntary contributions)  
 Oversight: Communications Committee (Paul Kostek, Chair)  
 Staff Contact: Pender McCarter, p.mccarter@ieee.org  
 URL: [www.ieeeusa.org/communications/files/PABrochure.pdf](http://www.ieeeusa.org/communications/files/PABrochure.pdf)

## Operations

---

**American Association of Engineering Societies:** IEEE-USA is a member of the American Association of Engineering Societies (AAES). AAES is a multidisciplinary organization of engineering societies dedicated to advancing the knowledge, understanding and practice of engineering. AAES member societies represent the mainstream of U.S. engineering — more than one million engineers in industry, government and academia. Key programs include International Activities (representing the U.S. engineering profession in international engineering organizations such as the World Federation of Engineering Organizations), the Engineering Workforce Commission (publishing survey reports on engineering enrollments, degrees and salaries), and an awards and recognitions program including the National Engineering Award and the John Fritz Medal.

Budget: \$20.4K  
 Oversight: IEEE-USA President (Russell Lefevre)  
 Staff Contact: Chris Brantley, c.brantley@ieee.org  
 URL: [www.aaes.org](http://www.aaes.org)

**Junior Engineering Technical Society:** IEEE-USA is an affiliate of the Junior Engineering Technical Society (JETS), a non-profit collaboration that works to increase interest and awareness of engineering and technology-based careers — with student competitions, assessment tools, career guidance resources, an e-newsletter, and more — as well as resource materials for parents and counselors. JETS programs include the JETS TEAMS Competition and the National Engineering Design Challenge.

Budget: \$2.5K  
 Oversight: Precollege Education Committee (Erin Hogbin, Chair)  
 Staff Contact: Sandra Kim, [sandra.kim@ieee.org](mailto:sandra.kim@ieee.org)  
 URL: [www.jets.org](http://www.jets.org)

**Practice, Education and Research for Sustainable Infrastructure Alliance (PERSI):** IEEE-USA has joined the PERSI Alliance for 2008. PERSI brings together organizations interested in working collaboratively to promote sustainable public infrastructures. PERSI's scope of activities includes defining and communicating best practices and developing educational resources and programs to promote sustainability principles in the design, implementation, operation, maintenance and assessment of infrastructures. This effort is complimentary to IEEE-USA's work to promote critical infrastructure protection.

Budget: \$2K  
 Oversight: IEEE-USA's Representative to PERSI (Brad Allenby)  
 Staff Contact: Deborah Rudolph, [d.rudolph@ieee.org](mailto:d.rudolph@ieee.org)  
 URL: [www.persi.us](http://www.persi.us)



## ***Appendix A – IEEE-USA 2008 Board of Directors***

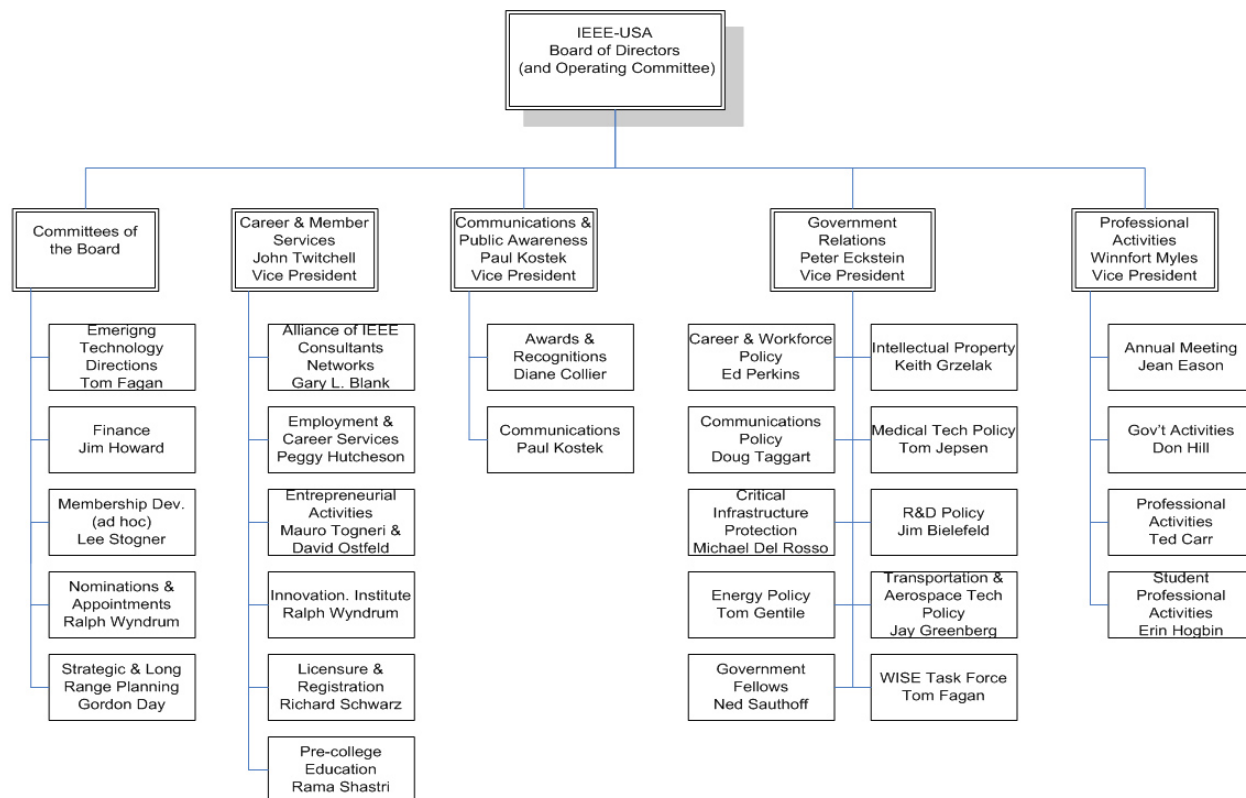
---

President*	Russell Lefevre
President-Elect*	Gordon Day
Past President*	John Meredith
Vice President, Career & Member Services*	John Twitchell
Vice President, Communications & Public Awareness	Paul Kostek
Vice President, Government Relations*	Peter Eckstein
Vice President, Professional Activities*	Winnfort Myles
Secretary-Treasurer*	James M. Howard
Region 1 Director	Howard Michel
Region 2 Director	John Dentler
Region 3 Director	William Ratcliff
Region 4 Director	Robert Dawson
Region 5 Director	David Pierce
Region 6 Director*	Loretta Arellano
Member-at-Large (Senior)*	Gregg Vaughn
Member-at-Large (Junior)	Gary L. Blank
Technical Activities Representative	Steve Hellenius
Innovation Institute (NV)*	Ralph Wyndrum
GOLD Representative (NV)*	Kristi Hummel
IEEE-USA TAB Liaison (NV)	Charles Rubenstein
Managing Director (NV)*	Chris J. Brantley

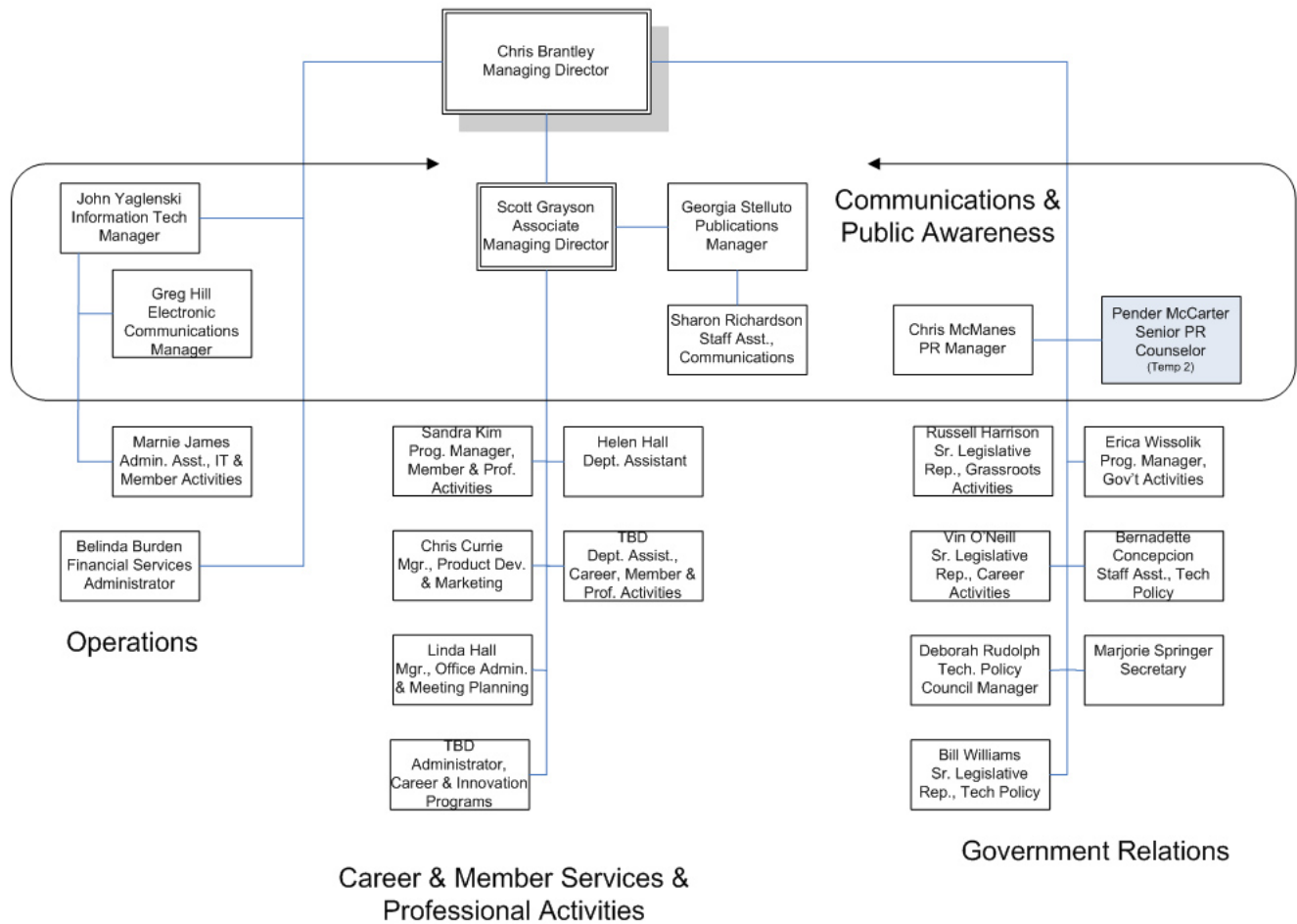
\* Indicates a member of the IEEE-USA Operating Committee (OpCom).



## Appendix B – 2008 IEEE-USA Volunteer Organization Chart



## Appendix C – 2008 IEEE-USA Staff Organization Chart



## ***Appendix D: Roster of IEEE-USA Staff Contacts***

---

IEEE-USA  
1828 L Street, N.W., Suite 1202  
Washington, DC 20036

Switchboard: 202-785-0017  
Fax: 202-785-0835  
Email: [ieeeusa@ieee.org](mailto:ieeeusa@ieee.org)  
Web: [www.ieeeusa.org](http://www.ieeeusa.org)

	<b>Phone</b>	<b>E-mail</b>
Chris Brantley	202-530-8349	<a href="mailto:c.brantley@ieee.org">c.brantley@ieee.org</a>
Belinda Burden	202-530-8357	<a href="mailto:b.burden@ieee.org">b.burden@ieee.org</a>
Bernadette Concepcion	202-530-8365	<a href="mailto:b.concepcion@ieee.org">b.concepcion@ieee.org</a>
Chris Currie	202-530-8355	<a href="mailto:c.currie@ieee.org">c.currie@ieee.org</a>
Scott Grayson	202-530-8376	<a href="mailto:s.grayson@ieee.org">s.grayson@ieee.org</a>
Helen Hall	202-530-8354	<a href="mailto:h.hall@ieee.org">h.hall@ieee.org</a>
Linda S. Hall	202-530-8325	<a href="mailto:l.hall@ieee.org">l.hall@ieee.org</a>
Russell Harrison	202-530-8326	<a href="mailto:r.t.harrison@ieee.org">r.t.harrison@ieee.org</a>
Greg Hill	202-530-8335	<a href="mailto:g.hill@ieee.org">g.hill@ieee.org</a>
Marnie Clark James	202-530-8368	<a href="mailto:m.c.james@ieee.org">m.c.james@ieee.org</a>
Sandra Kim	202-530-8330	<a href="mailto:sandra.kim@ieee.org">sandra.kim@ieee.org</a>
Pender McCarter	202-530-8353	<a href="mailto:p.mccarter@ieee.org">p.mccarter@ieee.org</a>
Chris McManes	202-530-8356	<a href="mailto:c.mcmanes@ieee.org">c.mcmanes@ieee.org</a>
Vin O'Neill	202-530-8327	<a href="mailto:v.oneill@ieee.org">v.oneill@ieee.org</a>
Sharon Richardson	202-530-8363	<a href="mailto:s.richardson@ieee.org">s.richardson@ieee.org</a>
Deborah Rudolph	202-530-8332	<a href="mailto:d.rudolph@ieee.org">d.rudolph@ieee.org</a>
Marjorie Springer	202-530-8364	<a href="mailto:m.springer@ieee.org">m.springer@ieee.org</a>
Georgia C. Stelluto	202-530-8334	<a href="mailto:g.stelluto@ieee.org">g.stelluto@ieee.org</a>
Bill Williams	202-530-8331	<a href="mailto:bill.williams@ieee.org">bill.williams@ieee.org</a>
Erica Wissolik	202-530-8347	<a href="mailto:e.wissolik@ieee.org">e.wissolik@ieee.org</a>
John Yaglenski	202-530-8359	<a href="mailto:j.yaglenski@ieee.org">j.yaglenski@ieee.org</a>



1828 L Street, NW, Suite 1202

Washington, D.C. 20036

+1 202 785 0017

**[www.ieeeusa.org](http://www.ieeeusa.org)**