

IEEE-USA

Awards and Recognition Committee

***Guidelines and Procedures
for a Program of Awards
for Professional Activities***

**2009
IEEE-USA
AWARDS GUIDE**

CONTENTS

The IEEE-USA Awards & Recognition Program.....	1
"Professionalism" as Defined By IEEE Constitution.....	2
The IEEE-USA Awards.....	3

Professional Award Description

IEEE-USA Robert S. Walleigh Distinguished Contributions to Engineering Professionalism Award	5
IEEE-USA Award for Distinguished Public Service	6
IEEE-USA Citation of Honor	7
IEEE-USA Precollege Education Committee (PEC) Teacher-Engineer Partnership Award	8
IEEE-USA Entrepreneur Achievement Award for Leadership in Entrepreneurial Spirit ..	9
IEEE-USA Regional/Divisional Professional Leadership Award	10
IEEE-USA Professional Achievement Award	11

Technical Award Description

IEEE-USA Harry Diamond Award.....	12
IEEE-USA Electrotechnology Transfer Award.....	13

Literary Award Description

IEEE-USA Award for Distinguished Literary Contributions Furthering Public Understanding of the Profession	14
IEEE-USA Award for Distinguished Literary Contributions Furthering Engineering Professionalism.....	15

Other Information

Other Forms of Recognition	16
Additional Information.....	17
IEEE-USA Award Recipient by Year	18
IEEE-USA Award Recipient by Name of Award Recipient	35
Recognition of IEEE-USA Service	56
Recipients of Harry Diamond Memorial Award.....	65
Recipients of the Electrotechnology Transfer Award.....	71

The IEEE-USA AWARDS AND RECOGNITION PROGRAM

The IEEE-USA Awards and Recognition Committee is responsible to the IEEE-USA Board of Directors for conducting a program of awards and recognition for contributions and service to engineering professionalism. The program is based on the IEEE Constitution, Bylaws, IEEE Awards Board Manual, and other approved instruments promulgated to guide Institute activities.

This document describes the awards and recognitions available, including complete descriptions of criteria for selections. Specific steps are outlined for submitting nominations to recognize those worthy of being cited for contributions in the quest for professional excellence. In this effort, the IEEE-USA Board of Directors earnestly solicits the support of all U. S. members and other IEEE Boards and Committees to ensure the effective operation of this program and encourages suggestions for its improvement.

*Diane Collier
Chair
IEEE-USA Awards & Recognition Committee*

*Gordon Day
President
IEEE-USA*

*Sandra Kim
Committee Staff
IEEE-USA Awards & Recognition Committee*

*Chris Brantley
Managing Director*

"Professionalism" as Defined by IEEE Constitution

Wherever the term "professionalism" appears in this Manual, it refers to the definition as contained in Article I, Section 2, of the IEEE Constitution, as quoted below:

Sec. 1. The name of this society is the Institute of Electrical and Electronics Engineers, hereinafter called the IEEE. Sec. 2. Its purposes are: (a) scientific and educational.... (b) professional as directed towards the advancement of the standing of the members of the professions it serves; means to this end include, but are not limited to, the conduct and publication of surveys and reports on matters of professional concern to the members of such professions, collaboration with public bodies and with other societies for the benefit of the engineering professions as a whole, and the establishment of standards of qualification and ethical conduct....The IEEE shall strive to enhance the quality of life for all people throughout the world through the constructive application of technology in its field of competence. It shall endeavor to promote understanding of the influence of such technology on the public welfare.

THE IEEE-USA AWARDS

The IEEE-USA Board of Directors has authorized the following for the purpose of recognizing excellence, outstanding service and contributions to professional activities. The awards are administered by the IEEE-USA Awards and Recognition Committee and have been approved by the IEEE Awards Board and the IEEE Board of Directors.

Professional Award Descriptions

1. The IEEE-USA Robert S. Walleigh Distinguished Contributions to Engineering Professionalism Award
To honor members of the engineering profession for long-term dedicated effort and outstanding accomplishments in advancing the aims of IEEE professional activities in the United States.
2. The IEEE-USA Award for Distinguished Public Service
To honor individuals not currently in the practice of engineering for contributions to furthering the professional goals of IEEE in the United States. (These goals may be furthered by such means as promulgating laws or regulations benefiting the profession; influencing industrial environments to foster professionalism; creating curricula or publications designed to enhance professionalism; and other similar activities.)
3. The IEEE-USA Citation of Honor
To honor individuals who have made exemplary contributions toward achieving the aims of professional activities in the United States.
4. The IEEE-USA Precollege Education Committee (PEC) Teacher-Engineer Partnership Award
To recognize collaborative activities between K-12 teachers and technical professionals who are IEEE members.
5. The IEEE-USA Entrepreneur Achievement Award for Leadership in Entrepreneurial Spirit
To recognize a key individual who has been instrumental in furthering both entrepreneurial growth and spirit in the United States.
6. The IEEE-USA Regional/Divisional Professional Leadership Award

To recognize those members in the Regions and Divisions for their outstanding leadership efforts in advancing the professional aims of IEEE in the United States within their Regional or Divisional entities.

7. The IEEE-USA Professional Achievement Award

To recognize significant specific contributions, achievements and individual efforts in the development and implementation of professional activities in the United States.

Technical Award Description

1. The IEEE-USA Harry Diamond Memorial Award

To honor individuals for distinguished technical contributions in the field of electrotechnology while in U.S. Government Service.

2. The IEEE-USA Electrotechnology Transfer Award

To honor individuals whose contributions in key government or civilian roles led efforts to effectively transfer/apply federal or state sponsored developments in advanced electrical, electronic and computer technologies to successful commercial sector opportunities.

Literary Award Descriptions

1. The IEEE-USA Award for Distinguished Literary Contributions Furthering Public Understanding of the Profession

To recognize outstanding journalistic or other efforts that contribute to the enhancement and expansion of the public understanding of the engineering profession in the United States.

2. The IEEE-USA Award for Distinguished Literary Contributions Furthering Engineering Professionalism

To recognize those individuals who have made outstanding contributions through their literary efforts to the advancement of the U.S. professional objectives of IEEE.

AWARD DESCRIPTIONS:

- Award:** IEEE-USA ROBERT S. WALLEIGH DISTINGUISHED CONTRIBUTIONS TO ENGINEERING PROFESSIONALISM AWARD
- Purpose:** To honor members of the engineering profession for long-term dedicated effort and outstanding accomplishments in advancing the aims of IEEE professional activities in the United States.
- Recognition:** Specially engraved plaque.
- Frequency:** One per year. If no suitable candidate is proposed in a given year, the award will not be presented for that year.
- Eligibility:** Members of the profession of engineering or allied arts or sciences, in the United States.
- Nominations:** Proposals for nominations of candidates for this award shall be made on nomination forms available from the IEEE-USA Office in Washington, D.C., and solicited via publications of suitable notices in SPECTRUM, The INSTITUTE, and in Section and Society newsletters. In addition, a press release shall be made available to appropriate trade and technical publications outside of IEEE.
- Basis for Judging:** Selection shall be based on the dedication, effort, quality, and most particularly on clearly successful accomplishment and achievement in advancing the social, economic, legal, and ethical aims of IEEE professional activities.
- Selection:** The IEEE-USA Awards and Recognition Committee shall evaluate all proposals and shall select the proposal which, in their judgment, is best and second best as alternate, and recommend the proposed candidate to the IEEE-USA Board of Directors for approval.
- Presentation:** Presentation of the award shall normally be made by the IEEE-USA President or a designee at major IEEE-USA Conference such as the IEEE-USA Workshop.
- Citation:** Citation may be proposed by the person originating the nomination. It will be reviewed and modified as appropriate by the IEEE-USA Awards and Recognition Committee.

- Award: IEEE-USA AWARD FOR DISTINGUISHED PUBLIC SERVICE
- Purpose: To honor individuals not currently in the practice of engineering for contributions to furthering the professional goals of IEEE in the United States. (These goals may be furthered by such means as promulgating laws or regulations benefiting the profession; influencing industrial environments to foster professionalism; creating curricula or publications designed to enhance professionalism; and other similar activities.)
- Recognition: Specially engraved plaque.
- Frequency: One per year. If no suitable candidate is proposed in a given year, the award will not be presented for that year.
- Eligibility: Members of government bodies, leaders of industry, members of academia, and others outside of the profession of engineering, in the United States.
- Nominations: Proposals for nominations of candidates for this award shall be made on nomination forms available from the IEEE-USA Office in Washington, D.C., and solicited via publications of suitable notices in SPECTRUM, The INSTITUTE, Section and Society newsletters. In addition, a press release shall be made available to appropriate trade and technical publications outside of IEEE.
- Basis for Judging: Evidence of contributions shall include but not be limited to promulgation of laws benefiting the profession; promulgation of regulations benefiting the profession; creating an internal industrial environment to foster professionalism; and establishment of curricula and/or publications designed to enhance professionalism.
- Selection: The IEEE-USA Awards and Recognition Committee shall evaluate all proposals and shall select the proposal which, in their judgment, is best and second best as alternate, and recommend the proposed candidate to the IEEE-USA Board of Directors for approval.
- Presentation: Presentation of the award shall normally be made by the IEEE-USA President or designee preferably at a major IEEE-USA Conference, such as the IEEE-USA Workshop, or a major IEEE Conference or appropriate public affair. However, the recipient shall be given a choice of location for the presentation.
- Citation: The Citation should be proposed by the person originating the nomination. It will be reviewed and modified as appropriate by the IEEE-USA Awards and Recognition Committee.

- Award: IEEE-USA CITATION OF HONOR
- Purpose: To honor members who have made exemplary contributions toward achieving the aims of professional activities in the United States.
- Recognition: Specially engraved plaque.
- Frequency: One to four per year. If no suitable candidate is proposed in a given year, the award will not be presented for that year.
- Eligibility: Members of the profession of engineering or allied arts and sciences, in the United States.
- Nominations: Proposals for nominations of candidates for this award shall be made on nomination forms available from the IEEE-USA Office in Washington, D.C., and solicited via publications of suitable notices in SPECTRUM, The INSTITUTE, Section and Society newsletters. In addition, a press release shall be made available to appropriate trade and technical publications outside of IEEE.
- Basis for Judging: Selection shall be based on outstanding dedication, efforts, significance, and most particularly on clear evidence of successful accomplishments and achievements in advancing the social, economic, legal, and ethical objectives of the profession and thus securing recognition of IEEE professional activities in the United States.
- Selection: The IEEE-USA Awards and Recognition Committee shall evaluate all proposals and shall select the proposal which, in their judgment, is best and second best as alternate, and recommend the proposed candidate to the IEEE-USA Board of Directors for approval.
- Presentation: Presentation of the award shall normally be made by the IEEE-USA President or designee at a major IEEE-USA Conference, such as the IEEE-USA Workshop.
- Citation: Citation shall be proposed by the person originating the nomination. It will be reviewed and modified as appropriate by the IEEE-USA Awards and Recognition Committee.

- Award: IEEE-USA PRECOLLEGE EDUCATION COMMITTEE (PEC) TEACHER-ENGINEER PARTNERSHIP AWARD
- Purpose: To recognize collaborative activities between K-12 teachers and technical professionals who are IEEE members.
- Recognition: Specially engraved plaque. The IEEE-USA Precollege Education Committee will reimburse the travel expenses (maximum of \$1,000 each recipient, for a total of \$2,000) incurred by both recipients to attend the above mentioned award ceremony
- Frequency: Maximum of one team per year. If no suitable candidate is proposed in a given year, the award will not be presented for that year.
- Eligibility: The nominations for teacher-engineer partnerships are open to all public, private and parochial schools and IEEE members.
- Nominations: Proposals for nominations of candidates for this award shall be made on nomination forms available from the IEEE-USA Office in Washington, D.C., and solicited via publications of suitable notices in SPECTRUM, The INSTITUTE, Section and Society newsletters. In addition, a press release shall be made available to appropriate trade and technical publications outside of IEEE.
- Basis for Judging: The IEEE-USA Precollege Education Committee will review all award nominations and provide a recommendation to the IEEE-USA Awards Committee of the final candidates. The decision of those two entities will be final, subject to the approval by the IEEE-USA Board of Directors.
- Presentation: IEEE-USA will recognize the award winners during an award ceremony at a time and venue mutually agreed by the IEEE-USA and the recipients.
- Citation: Citation shall be proposed by the person originating the nomination. It will be reviewed and modified as appropriate by the IEEE-USA Precollege Education and Awards and Recognition Committees.

Award: IEEE-USA ENTREPRENEUR ACHIEVEMENT AWARD FOR LEADERSHIP IN ENTREPRENEURIAL SPIRIT

Purpose: To recognize a key individual who has been instrumental in furthering both entrepreneurial growth and spirit in the United States.

Recognition: Engraved plaque.

Frequency: One per year

Eligibility: Any IEEE member residing in a U.S. Region (Region 1-6) except current member of the IEEE Board of Directors, the IEEE-USA Board of Directors, the IEEE-USA Awards and Recognition Committee, the IEEE-USA Entrepreneurs Activities Committee, or IEEE staff.

Criteria: The nomination for the IEEE-USA Entrepreneur Achievement Award for Leadership in Entrepreneurial Spirit is to exemplify an IEEE member who embodies the spirit of an entrepreneur. The IEEE member has demonstrated this spirit -- "creative mindset" (Faltin, 2007) -- through perseverance by using their own visionary efforts to create a successful business that has commercialized technology products or services. The IEEE member and his or her successful business have advanced society through commerce and community improvement.

Nominations may be for candidates who demonstrate the entrepreneurial spirit, support the goals of IEEE, and improve the general image of the engineer, or engineering profession.

Following are the criteria against which candidates for the award should be measured. The following are guidelines for comparison of the pool of nominees:

1. Embodies the spirit of an entrepreneur by having a creative mindset; and by showing perseverance to an entrepreneurial vision
2. Created, started, or founded a successful U.S.-based business, where technology products or services are creating commerce
3. Carries forward the spirit of the entrepreneur in the community through volunteerism
4. Is an active member of IEEE
5. Shows or demonstrates an interest in mentoring future entrepreneurs.

The criteria are designed to provide a framework for continued collaborative relationships between entrepreneurs, would-be entrepreneurs, and mentors working in IEEE-designated fields of interest.

Judging: The IEEE-USA Entrepreneurs Activities Committee (EAC) will review all award nominations and provide a recommendation to the IEEE-USA Awards and Recognition Committee (ARC) of the final candidate. The decision will be final, subject to the approval of the IEEE-USA ARC and the IEEE-USA Board of Directors.

Citation: Citation shall be proposed by the person originating the nomination. It will be reviewed and modified as appropriate by the IEEE-USA Awards and Recognition Committee.

- Award: IEEE-USA REGIONAL/DIVISIONAL PROFESSIONAL LEADERSHIP AWARD
- Purpose: To recognize members for their outstanding leadership efforts in advancing the professional aims of IEEE in the United States within their Regional and Divisional entities.
- Recognition: Engraved plaque.
- Frequency: A maximum of ten per year. Awards will be considered only on the basis of qualified candidates nominated and who receive endorsement of their Regional/Divisional Directors.
- Eligibility: Any IEEE member residing in a U.S. Region (Region 1-6), or any IEEE member of any IEEE Society for activities germane to IEEE-USA objectives.
- Nominations: Proposals for nominations of candidates for this award shall be made on nomination forms available from the IEEE-USA Office in Washington, D.C., and solicited via publication of suitable notices in SPECTRUM, The INSTITUTE, and in Section and Society newsletters. In addition, a press release shall be made available to appropriate trade and technical publications outside the IEEE. The appropriate Regional or Division Director must endorse the nomination (more than one nomination may be endorsed.)
- Basis for Judging: Selection shall be based on dedication, effort, and quality, of accomplishment in advancing the professional aims of the IEEE as they pertain to United States activities on a regional or divisional (Society) basis. Of special importance for the divisional award is that part of IEEE's purposes emphasizing enhancement of the quality of life through the constructive application of technology and promoting understanding of the influence of technology on the public welfare in the United States.
- Selection: The IEEE-USA Awards and Recognition Committee shall evaluate all nominations and shall select those which, in their judgment, best meet the criteria of the award for recommendation to the IEEE-USA Board of Directors for approval.
- Presentation: Presentation of the award shall normally be made by the IEEE-USA President or designee at a major IEEE-USA Conference, such as the IEEE-USA Workshop.
- Citation: Citation shall be proposed by the person originating the nomination. It will be reviewed and modified as appropriate by the IEEE-USA Awards and Recognition Committee.

- Award: IEEE-USA PROFESSIONAL ACHIEVEMENT AWARD
- Purpose: To recognize significant specific contributions, achievements, and efforts of individuals and organizations in the development and implementation of professional activities in the United States.
- Recognition: Engraved plaque.
- Frequency: As warranted by suitable accomplishments (for individuals). Maximum of two per year for organizations.
- Eligibility: Members and organizations of the engineering profession in the United States.
- Nominations: Proposals for nominations of candidates for this award shall be made on nomination forms available from the IEEE-USA Office in Washington, D.C., and solicited via publication of suitable notices in SPECTRUM, The INSTITUTE, and in Section and Society newsletters. In addition, a press release shall be made available to appropriate trade and technical publications outside the IEEE.
- Basis for Judging: Selection shall be based on the dedication, effort and quality of an accomplishment achieved on individual effort in the development and implementation of professional activities in the United States.
- Selections: The IEEE-USA Awards and Recognition Committee shall evaluate all nominations and shall select those which in their judgment reflect those contributions and achievements of individual efforts which are singularly significant in developing and implementing professional activities in the United States.
- Presentation: Presentation of the award shall normally be made by the IEEE-USA President or designee at major IEEE-USA Conference, such as the IEEE-USA Workshop.
- Citation: A citation should be proposed by the person originating the nomination. It will be reviewed and modified as appropriate by the IEEE-USA Awards and Recognition Committee.

- Award: IEEE-USA HARRY DIAMOND MEMORIAL AWARD
- Purpose: To honor individuals for distinguished technical contributions in the field of electrotechnology while in U.S. government service.
- Recognition: Engraved plaque.
- Frequency: One per year. If no suitable candidate is proposed in a given year, the award will not be presented for that year.
- Eligibility: Members of government bodies, laboratories and technical organizations in the United States.
- Nominations: Proposals for nominations of candidates for this award shall be made on nomination forms available from the IEEE-USA Office in Washington, D.C. and solicited via publication of suitable notices in IEEE publications, and Section and Society newsletters. In addition, a press release shall be made available to appropriate U.S. government laboratories and technical organizations.
- Basis for Judging: Selection shall be based on outstanding technical contributions in electrotechnology while serving in a U.S. government agency.
- Selection: The IEEE-USA Awards and Recognition Committee shall evaluate all proposals and shall select the proposal which, in their judgment, is best and second best as alternate, and recommend the proposed candidate to the IEEE-USA Board of Directors for approval.
- Presentation: Presentation of the award shall normally be made by the IEEE-USA President or designee preferably at a major IEEE-USA Conference, such as the IEEE-USA Workshop, or a major IEEE Conference or appropriate public affair. However, the recipient shall be given a choice of location for the presentation.
- Citation: The Citation should be proposed by the person originating the nomination. It will be reviewed and modified as appropriate by the IEEE-USA Awards and Recognition Committee.

- Award: IEEE-USA ELECTROTECHNOLOGY TRANSFER AWARD
- Purpose: To honor individuals whose contributions in key government or civilian roles led efforts to effectively transfer/apply federal or state sponsored developments in advanced electrical, electronic and computer technologies to successful commercial sector opportunities.
- Recognition: Specially engraved plaque.
- Frequency: Annually. Limited to two awards per year. Award will not be made in any year that no qualified nominations are received.
- Eligibility: Individuals in government or civilian positions either having personally applied or having provided the driving force to cause the successful application of the transferred technology in its original form or in a significantly broader application than first envisioned in the research.
- Nominations: Nominations must be submitted by an IEEE member. Endorsements are required from a senior management person from the initial research/development organization, and a senior management person from the organization which successfully applied the technology. An endorsement from an IEEE technical society leader is highly desirable but not a requirement.
- Basis for Judging:
- 1) The technology, when applied or transferred, must have offered significant contributions (those recognized by a substantial segment of practitioners within a technical field) to the advancement of electrical and/or electronic components, software, subsystems, and/or systems within the commercial sector. Examples include devices developed in federal labs for government use or commercial applications; developments leading to new products; substantially enhanced products; support processes that lead to significant cost reduction or higher profit margins; and improved manufacturing technologies.
 - 2) The scope of the applicable technologies must be within the IEEE field(s) of interest.
 - 3) The individual(s) selected for this award must have had direct or personal involvement in the application or transfer aspects of the technology. The individual(s) need not necessarily have been included in the original development. Activities of the individual must be considered above and beyond normal expectations by others in his/her field.
- Selection: The nominations should be submitted on the appropriate form no later than March 30, of each year to the IEEE-USA Washington Office, ATTN: TECH TRANSFER AWARD. A special panel consisting of IEEE-USA R&D Policy Committee members plus a member of the IEEE-USA Awards & Recognition Committee will review the nominations and recommend suitable individuals. The recommendations will be reviewed and approved by the IEEE-USA Awards & Recognition Committee and submitted to the IEEE-USA Board of Directors for final approval.
- Presentation: The presentation of the award shall normally be made by the IEEE-USA President or his/her designee, preferable the Vice President - Technology Policy Activities or the Chair of the R&D Policy Committee, at a major IEEE-USA or IEEE Conference.
- Citation: A citation should be proposed by the person originating the nomination. The citation will be subject to review and may be modified if appropriate.

- Award: IEEE-USA AWARD FOR DISTINGUISHED LITERARY CONTRIBUTIONS FURTHERING PUBLIC UNDERSTANDING OF THE PROFESSION
- Purpose: To recognize outstanding journalistic or other efforts that contribute to the enhancement and expansion of the public understanding of the engineering profession in the United States.
- Recognition: Engraved plaque. (limited to two per year).
- Frequency: Annual competition, provided that no awards will be presented when the panel feels submissions are not worthy of the award.
- Basis: Submissions will be judged on their quality in portraying subjects, themes, incidents or editorial content, and may include an individual presentation or a series of presentations that lead to a better public understanding of the role that engineering professionals contribute to the enhancement and expansion of social, economic and cultural components of life. Submissions will be limited to those appearing in the public press, visual and aural media, and periodicals produced by groups other than professional engineering organizations in the United States.
- Judging: By the IEEE-USA Awards and Recognition Committee or a special panel appointed by the Chair of the IEEE-USA Awards and Recognition Committee. If a special panel is used it shall consist of five persons respected in the field of engineering professionalism, one of whom shall also be experienced in journalism. This panel shall select the submission that, in their judgment, best fulfills the objective, as well as one or two alternates. It shall include justification for its selections. The submissions will then be reviewed and approved by the IEEE-USA Awards and Recognition Committee and recommended to the IEEE-USA Board of Directors for final approval.
- Nominations: Nominations may be submitted by any IEEE U.S. member or by the publisher, author, radio or television station, responsible for the effort. The nomination must include: complete identification and a copy of the article; or complete identification of the visual or aural media piece, with location and time presented, as well as a 300-500 word summary of what the basic subject is and why the piece meets the objectives in an outstanding way; or complete identification of the media piece and submission of tapes, transcripts or other reasonable evidence that may be used by the panel in judging accompanied by a 300-500 word summary as above. The article or presentation must have been published, aired or heard in the calendar year preceding the submissions, which must be received no later than March 30 of any year.
- Presentation: Presentation of the awards to the recipients will be made by the IEEE-USA President at an appropriate major IEEE-USA conference, which will be mutually agreed upon.
- Citation: A citation will be developed by the special panel based upon their evaluation of the submission and its subject content. The citation shall briefly describe the subject in addition to such attributes as may be considered relevant.
- Funding: IEEE-USA shall provide suitable funds for the awards and the expense of judging and presentation.

- Award: IEEE-USA AWARD FOR DISTINGUISHED LITERARY CONTRIBUTIONS FURTHERING ENGINEERING PROFESSIONALISM.
- Purpose: To recognize those who have made outstanding contributions through their literary efforts to the advancement of the U.S. professional objectives of IEEE.
- Recognition: Engraved plaque.
- Frequency: Nominations and suggestions will be considered at the meeting of the IEEE-USA Awards and Recognition Committee convened for selecting annual IEEE-USA awards or by a special panel convened by the Committee Chair at any time. Recommendations for this awards require the approval of the IEEE-USA Board of Directors and may be submitted for approval at scheduled Board meetings.
- Basis: Consideration will be given to the quality of the piece and the contributions made by the author as a result of a singular important literary effort, or as the result of contributions over a period of time or a career that has included numerous contributions that, taken as a whole, reflect effort to successfully communicate and enhance engineering professionalism.
- Judging: By the IEEE-USA Awards & Recognition Committee or a special panel appointed and convened by the Chair. Since this award is not circumscribed by time constraints, but by quality and impact of the contribution(s), the development of considerations will be the responsibility of the Committee or the special panel.
- Nominations: Suggestions may be sent to the Committee at any time, accompanied by samples or citations of the literary efforts and a background narrative supporting the rationale for the nomination.
- Presentation: Presentation will be made by the IEEE-USA President at an appropriate event mutually agreeable to the Board and the recipient, desirably where the impact of the award presentation will afford maximum recognition to the recipient and to IEEE.
- Funding: IEEE-USA shall provide suitable funds for the award and the expense of judging and presentation.

Other Forms of Recognition

The IEEE-USA Awards and Recognition Committee, in addition to the IEEE awards and criteria previously described, and with the concurrence of the IEEE-USA Board of Directors, will recognize the following individuals for their service to professional activities:

1. Members of the IEEE-USA Board of Directors will be honored with a plaque or certificate recognizing their contributions and service to professionalism, at the conclusion of their terms of office.
2. IEEE-USA Task Force Leaders and Committee Chairs will be honored with a certificate in recognition of their service to professional activities on an annual basis.
3. IEEE-USA President's Special Award: In the past, the IEEE-USA President has been recognized by presentation of a silver tray and/or a plaque with the engraved signatures of the members of the IEEE-USA Board. This recognition is established.
4. The IEEE-USA Awards and Recognition Committee, with the approval of the IEEE-USA Board of Directors, may recommend candidates and cause nominations to be prepared and supported for the IEEE Haraden Pratt Award (for outstanding service to the Institute), and/or the IEEE Founders Medal (for service of great value to the profession).
5. The IEEE-USA Awards and Recognition Committee, with the approval of the IEEE-USA Board of Directors, may recommend candidates and cause nominations to be prepared and supported for consideration by the IEEE Fellows Committee for election to Fellow grade of IEEE membership. (This activity is independent of Awards Board activities).

Additional Information

No current member of the IEEE Board of Directors, the IEEE-USA Board of Directors, the IEEE-USA Awards and Recognition Committee, or IEEE staff may be candidates, or nominate or endorse (with the exception of the Regional/Divisional awards) candidates for IEEE-USA awards.

If substantive achievement in pension activities takes place in a given year, one of the IEEE-USA Citations of Honor is to be set aside as an award for achievement in pensions, and it is to be designated the Fay Young Memorial Award. If no suitable candidate in pension activity is found in a given year, the normal procedure of awarding up to four Citations of Honor for achievement in any professional activity would be followed.

The IEEE Awards Board delegated to the IEEE-USA Awards and Recognition Committee the generation and coordination of the nomination of IEEE members for the several awards given by the American Association of Engineering Societies.

The IEEE Board of Directors delegated authority to the IEEE-USA Board of Directors for approving IEEE-USA Educational Awards and Scholarships.

The IEEE-USA Board of Directors has directed the IEEE-USA Awards & Recognition Committee to mail the ballots listing nominees, including brief summaries of their accomplishments, so as to reach the IEEE-USA Board members at least one week prior to the IEEE-USA Board meeting at which the selections will be made.

For more information about the activities of the IEEE-USA Awards and Recognition Committee, please contact the:

***IEEE-USA Office
1828 L Street, N.W.
Suite 1202
Washington, DC 20036
(O) 202/785-0017
(F) 202/785-0835***

IEEE-USA AWARD RECIPIENTS BY YEAR

1978	1979	1980	1981	1982
		<u>Engineering Professionalism</u>		
John J. Guarrera James H. Mulligan	Bruno O. Weinchel	Hilton U. Brown III	Richard C. Benoit, Jr.	Larry Dwon
		<u>Distinguished Public Service</u>		
N/A	Hon. Mike McCormack U.S. House of Rep.	Hon. George E. Brown U.S. House of Rep.	Hon. Thomas J. Downey U.S. House of Rep.	Hon. John H. Glenn, Jr. U.S. Senate
		<u>Citation of Honor</u>		
Richard J. Backe Hans C. Cherney Harold S. Goldberg Frank H. Palmer Robert A. Rivers	George Abraham Robert D. Briskman Robert F. Cotellessa Joel B. Snyder	Robert Bruce Sajjad H. Durrani Frank E. Lord Ronald J. Wojtasinski	David C. Lewis Fay L. Young	Valdemar Bodin James F. Fairman Arthur N. Greene
		<u>Regional Professional Activities</u>		
John L. Alexander (3) Thomas R. Cuthbert (5) Ronald J. Fredricks (4) Herbert H. Heller (2) Joel B. Synder (1) George H. Starr (6)	John I. Barron (3) David L. Johnson (5) Kenneth L. McGowan (6) Marlin P. Ristenbatt (4) Arthur L. Rossoff (1) James F. Strother (2)	Melvin N. Abramovich (2) Valdemar Bodin (3) Michael R. Cheek (4) Harry M. Cronson (1) Jack T. Nawrocki (6)	Henry N. Bowes (5) Joseph A. Edminister (2) Arthur N. Greene (3) Paul V. Schwarz (4) Richard F. Tax (1)	John Sees (3) David V. Serreyn (4) William D. Whipkey (5)

IEEE-USA AWARD RECIPIENTS BY YEAR

(continued)

1983	1984	1985	1986	1987
<u>Engineering Professionalism</u>				
Hans C. Cherney	Richard J. Backe	Ronald J. Fredricks	Richard J. Gowen	Stephen H. Unger
<u>Distinguished Public Service</u>				
Hon. James A. McClure U.S. Senate	Hon. Doug Walgren U.S. House of Rep.	Hon. Don Fuqua U.S. House of Rep.	William P. Rogers (Chairman, Shuttle Comm'n)	N/A
<u>Citation of Honor</u>				
Robert A. Barden Wallace D. Decker Robert J. Frank Ronald J. Fredricks	Robert T. Bronder Marlin P. Ristenbatt Peter A.E. Rusche Richard F. Tax	Wayne E. Amacher John A. Casazza Benjamin J. Leon Frederick J. Twogood	Jack S. Andresen Joseph A. Edminister Walter R. Nial F. Karl Willenbrock	Sidney Fernbach Gerald W. Gordon James A. Watson
<u>Regional Professional Leadership</u>				
Alfred H. Barauck (6) George R. Dean (5) David W. Ford (4) Alex Gruenwald (1) Robert E. Weiler (2) Joseph Wiencko, Jr. (3)	Sandra K. Bidwell (6) Malcolm M. Drummond (1) John J. Miller (3) John D. Peebles (5) George Poletti (2) John E. Waters (4)	Victor G. Zourides (1) Gerald Gordon (2) Robert T. Nash (3) Diane J. Barney (4) Otto Friedrich (5) Ralph A. Lamm (6)	Layton A. Bergen (6) Alvin L. Roelse (5) James F. Strother (2)	Robert T. Bronder (6) Beth A. Cooper (2) John P. Densler (1) Danny L. Michaels (5) Kenneth J. Schlager (4)
<u>Divisional Professional Leadership</u>				
N/A	N/A	Lynn W. Ellis (III) Robert Noberini (VII) William A. Jarzembski (X)	James F. Strother (VI)	William D. Lang (VIII)

IEEE-USA AWARD RECIPIENTS BY YEAR
(continued)

1988	1989	1990	1991	1992
<u>Engineering Professionalism</u>				
John M. Richardson	N/A	Edward J. Doyle	Lawrence P. Grayson	Robert H. Tanner
<u>Distinguished Public Service</u>				
N/A	Erich Bloch, National Science Found.	Hon. Don Ritter U.S. House of Rep.	D. Allan Bromley, Asst. to the President for Science and Tech.	Craig I. Fields Past Director, DARPA
<u>Citation of Honor</u>				
Roger M. Boisjoly Lawrence P. Grayson	William W. Middleton John J. Miller Ralph W. Russell II	Lois K. May William T. Sackett	Richard B. Marsten William R. Tackaberry William D. Whipkey	John P. Densler Rudolf E. Henning David M. Ostfeld
<u>Regional Professional Leadership</u>				
Bruce A. Burr (6) Frederick D Chichester (1) Louis A. Luceri (1) George F. McClure (3) Robert R. Sinusas (1) S. Zafar Taqvi (5)	Michael R. Andrews (6) Marquard H. Arndt (6) Peter Bergsneider (6) Carl K. Kintzel (4) Wallace A. Skelton (2)	Floyd W. Blum (3) Merrill W. Buckley Jr (2) Edward B. Farkas (1) Max B. Goldberg (4) Seymour Krevsky (1) S.K. Leong (6) Albert J. Rosa (5) Francine E. Wright (6) Joseph H. Wujek (6)	R. Steven Brown (6) Gerald F. Jennings (1) John W. Meredith (5) Glenn R. Thoren (1)	Mary-Ann M. Boyce (2) Jean M. Eason (5) Joseph S. Iandiorio (1) Richard E. Larson (6)
<u>Divisional Professional Leadership</u>				
Allan T. Mense (VIII)	N/A	Baruch Berman (II)	Oscar N. Garcia (V & VIII) George J. Simonis (I)	John A. Casazza (VII) Al Gross (IX) Frank E. Lord (IX) John F. Osborn (IV) George F. Rodgers (IX)

IEEE-USA AWARD RECIPIENTS BY YEAR
(continued)

1993	1994	1995	1996	1997
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Engineering Professionalism/Robert Walleigh

Leo Young	Charles A. Eldon	Carleton A. Bayless	James V. Leonard	James F. Strother
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Distinguished Public Service

Robert M. White Under Secretary of Technology U.S. Dept. of Commerce	Hon. Sam M. Gibbons House of Representatives	Hon. Sherwood L. Boehlert House of Representatives	Hon. Edward M. Kennedy Hon. Alan K. Simpson U. S. Senate	Dr. Mary L. Good
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Citation of Honor

Wayne E. Amacher Joseph M. DeSalvo Carl K. Kintzel James F. Strother	Les Brown John J. Guarrera Paul J. Kostek John E. Martin	Cecelia Jankowski Michael D. Patena Alvin L. Roelse John W. Steadman	Deborah M. Powers Vernon B. Powers Thomas F. Rogers Irwin Weitman	Leann Kostek Marlin Ristenbatt Mauro Togneri
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Regional Professional Activities

Michael J. Aronstein (6) Robert H. Gauger (6) James Carroll Hastings (3) Carolyn Tassan Koenig (6) Michael D. Patena (2) K. James Phillips, Jr. (2) Alan B. Showalter (4) Irving L. Weiner (1)	James C. Bussert (6) Madelyn A. Harwood (4) Rosanna Lerma (6) Wyman J. Priester III (2) John R. Reinert (5)	Julian J. Bussgang (1) David G. Green (3) Richard L. Riddle (3) Rhonda C. Schennum (6) M. Don Trundle (3)	Thomas W. Doeppner (2) Robert L. Krause (5) Joseph V. Lillie (5) David J. Pierce (5)	Hernan E. Pena, Jr. (3) Clarence Lee Stogner (3) Dr. Zafar Taqvi (5)
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Divisional Professional Activities

Paul J. Kostek (IX) George F. Seebeck, Jr. (VII)	Julian Foster (IV) Vernon E. Gardner (VI) Janet H. Rochester (VI)	Peter J. May (III)	Ned R. Sauthoff (VII)	Charles P. Rubenstein (VI)
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IEEE-USA AWARD RECIPIENTS BY YEAR
(continued)

1998

1999

2000

2001

Engineering Professionalism/Robert Walleigh

William W. Middleton

George F. McClure

Michael R. Andrews

Robert P. Noberini

Distinguished Public Service

Hon. Nancy Kassebaum Baker
U. S. Senate

Vernon J. Ehlers

Rep. Robert Portman
Rep. Benjamin L. Cardin
Rep. Earl Pomeroy
Sen. Charles Grassley
Sen. Max Baucus
Sen. James M. Jeffords

Citation of Honor

Walter L. Elden
James E. Gover
William T. Ritter

Eleanor R. Adair
John A. Hoschette
LeEarl A. Bryant

Nataraj Nataraj (deceased)
Robert S. Powers
Charles P. Rubenstein
Carl Wick

Bruce Angwin
Lester W. Cory
Ralph Russell
James A. Watson

Regional/Divisional Professional Activities

Keshoolal Bakhru (6)
Robert J. Dawson (4)
Joseph W. VickRoy (6)
Fiorenza C. Albert-Howard (V)
Mehmet Toy (III)

Peter Bergsneider (6)
Nataraj S. Nataraj (2)
Barry L. Shoope (1)
Norman D. Miller (IX)

Wayne Akerson (6)
Don C. Bramlett (4)
Sean Haynes (3)
Loren Lacy (5)
Daryl L. McCall (4)
Matthew Bedosky (D)
Sajjad Durrani (D)
Tim Grayson (IX)
Behnam Malakooti (D)
Edward C. Wong (D)

Robert S. Bryant (5)
Gayle E. Buroker (4)
Howard M. Needham (2)
William A. Sims (3)
Gary M. Waugh (4)
Luis T. Gandia (VI)
Robert H. Gauger (VI)
Russell F. Henke (VI)
Alfred U. MacRae (D)
Jesse J. Taub (D)

IEEE-USA AWARD RECIPIENTS BY YEAR
(continued)

2002

2003

2004

2005

Engineering Professionalism/Robert Walleigh

Paul J. Kostek

John R. Reinert

Charles P. Rubenstein

N/A

Distinguished Public Service

No recipients

Norman P. Neureiter

Dana Rohrabacher

Joseph Bordogna

Citation of Honor

Walter L. Elden
Melvin Hotz
Luis G. Kun
Fausto E. Molinet
Larry G. Nelson

Andrew C. Greenberg
Ronil Hira
Joseph V. Lillie
Charles J. Lord
C. Lee Stogner

Donald W. Hill
Philip Holmer
Glenn S. Tenney
George Zobrist

Clifford Lau
Thomas F. Rodgers
Ralph W. Russell, II
Martin M. Sokoloski

Regional/Divisional Professional Activities

Eric S. Ackerman (3)
Ray E. Aker (6)
John W. Balance (D)
Robert R. Bruckman (4)
Martin Kaliski (6)
Dennis Lamont (4)
Frank E. Lord (IX)
Donald A. Preston (5)

Edwin Averill (D)
Charles D. Beaman (3)
Peter Bergsneider (6)
Maura Scheier-Fleming (5)
Zafar Taqvi (D)

Parviz Famouri (2)
Robert Gauger (R)
Tarek Lahdhiri (4)
William Marshall (3)
Winnfort J. Myles (6)
Hamid Vakilzadian (4)

Ronald A. Tabroff (1)
Ralph D. Painter (3)
Edward G. Perkins ^
Guruprasad Madhavan

IEEE-USA AWARD RECIPIENTS BY YEAR
(continued)

2006

2007

2008

Engineering Professionalism/Robert Walleigh

N/A

Jean Eason

Evelyn H. Hirt

Distinguished Public Service

William B. Bonvillian
David J. Goldston

Lamar Alexander
Jeff Bingaman

William Wulf

Citation of Honor

Donald C. Herres
Grayson W. Randall

Stephen Allen
Tarek Lahdhiri
Robert W. McClure
Paul Meisel

Jim Fancher
Edward G. Perkins
Thomas R. Schneider
Richard Schwarz

Regional/Divisional Professional Activities

Carl L. Hussey (3)
James Jefferies (5)

Terrence Carr (5)
Greg Hutchins (6)
Maury Miller (6)
Halden A. Morris (3)
John Prohodskey (VIII)
Monroe B. Savage (3)
Ravi Todi (3)

Dusty Fisher (5)
Donald W. Hill (3)
Richard Kolodziejczyk (D)
John W. Nirschl (4)
R Sampath (6)
Myron F. Wilson (4)

IEEE-USA AWARD RECIPIENTS BY YEAR
(continued)

Certificate of Appreciation

1978	1979	1980	1981	1982
Jack S. Andresen	Melvin N. Abramovich	John Andrews	Milton Alpern	William Y. Bishop
James Roy Bond	Robert A. Barden	Benton Bejach	John Andrews	Charles R. Bond
Robert T. Bronder	Valdemar Bodin	Sandra K. Bidwell	Nathan Aron	Malcolm M. Drummond
Robert Bruce	Robert J. Bush	Arthur M. Bueche	Calvin Dunigan	David W. Ford
Harry M. Cronson	Richard W. Damon	Ralph I. Cole	John F. Foulkes	John J. Guarrera
Lawrence D. Edelman	Jim Davis	Michael Davis	Roger F. Madden	Roger Heintz
Jane G. Evans	Joseph M. Erbacher	Walter Elden	Duane C. Matthiesen	Donald W. Hill
H. Mark Grove	Lester A. Fetting	Harb S. Hayre	Milton T. Rubin	Eugene C. Huebschmann
George F. Kujawski	Cathy Figorito	Charles A. Nicita	Robert F. Sinusas	David Leichtman
Stella Lawrence	Donald W. Haney	Harrison H. Schmitt	Karl O. Sommer	Amedeo Qualich
Frank E. Lord	Eugene C. Huebschmann	Ronald L. Sprague	Lewis N. Thomas	Eleferios N. Tsengas
Charles C. Olsefsky	Jack Jatlow	Ron Walters		
Gerald P. Parsons	Stephen F. Kowel	Victor Zourides		
Charles W. Pender, Jr.	Herbert Lavin			
William R. Riggs	Frank E. Lord			
Richard F. Tax	Stanley Roth			
K. Reed Thompson	Luther G. Smith			
Frederick G. Suffield	Frederick G. Suffield			
	Richard F. Tax			
	Edward A. Wolff			

IEEE-USA AWARD RECIPIENTS BY YEAR

(continued)

Certificate of Appreciation

Professional Achievement

1983	1984	1985	1986	1987
Wayne E. Amacher	Dean L. Bacon	John E. Bennett	Joseph M. Biedenbach	David Bruce Cousins
Gerald E. Baehler	Diane J. Barney	Baruch Berman	Don E. Cottrell	Donald W. Cramer
Alice C. Brown	Larry Dwon	Kenneth L. Black	Billy E. Jones	Irving J. Gabelman
Dwight A. Clayton	Sidney Fernbach	Walter Bury	Jim V. Leonard	John J. Kelleher
David A. Conner	Vernon E. Gardner	Michael Chester	William T. Sackett	Arvid G. Larson
Malcolm M. Drummond	Walter Nial	Charles I. Coy	William F. Wilkes	Robert E. Ludlum
David J. Dumin	John Rini	Stafford Cuffe		Lois K. Moore
Lawrence D. Edelman	Milton D. Rubin	Robert E. Dakin		Charles R. Wright
Paul Engler	James A. Watson	Lawrence P. Grayson		
John C. Handy	Joseph A. Wiencko, Jr.	Orin Laney		
Anthony J. Hornfeck	Gary D. Wylie	K.P. Lau		
William B. Jarzembski		G.F. Paskusz		
Karl B. Jennings		Edward Ptak		
Anthony Lamb		James Rooney		
Duane J. Matthiesen		Laura Rust		
John J. Miller		Roger Ziemer		
Walter R. Nial				
Carole Patton				
John D. Peebles				
Michael P. Perry				
David J. Schultz				
Forrest L. Staffanson				
Eleferios Tsengas				

*The Certificate of Appreciation was redesignated as Professional Achievement Award in 1986.

IEEE-USA AWARD RECIPIENTS BY YEAR
(continued)

Professional Achievement

1988	1989	1990	1991	1992
George R. Dean Wallace D. Decker Martin Izaak Richard F. Tax	Walter Bury Bernard H. Manheimer John E. Spencer, Jr.	Harry D. Bostic Jay Gilbert Barbara Kent Irving Reingold James A. Watson	Lawrence R. Knapp Andrew C. Lindberg David M. Ostfeld Will Stackhouse	Herb L. Forsythe, Jr. Harb S. Hayre Paul L. Hazan Stuart N. Levy David J. Pierce Robert S. Powers Marlin P. Ristenbatt Robert A. Rivers
1993	1994	1995	1996	1997
Michael R. Andrews Charles E. Antoniak Adeeb Alex Hamzey Peter J. May Alan K. McAdams Irwin Weitman Rodger W. York	Nigel J. A. Bristow Martin L. Halperin Shankar T. Lakhavani Burton A. LeVine	Jorge Medina Nataraj S. Nataraj Thomas F. Rogers	Harvey Altstadter William L. Aseniero Henry A. Burger Gary E. Johnson Jorge Medina Gordon L. Mitchell	James O. Everly Jack Sippel
1998	1999	2000	2001	2002
Ken Doniger David G. Green Eremita P. De Miranda Michael P. Stark	Julie K. Gaevert Vic Melville Ataur Rahman Donald E. Rickerson Donald J. Silversmith	James D. Allen Shelly R. Born Rory A. Cooper Hal Dendurent William Kelly Russel H. Kinner Fred Kobashikawa	Carl K. Kintzel Howard Kohlbacher Tarek Lahdhiri Richard G. Molyet David C. Niemi Kathryn J. Rinehart	<u>Individuals</u> David E. Flinchbaugh John H. Pease, Jr. Edwin Podell <u>Organizations</u> New Horizons Telecom, Inc. Schweitzer Engineering Laboratories, Inc.

IEEE-USA AWARD RECIPIENTS BY YEAR
(continued)

Professional Achievement

2003	2004	2005	2006	2007
No recipients	Luke R. Maki George F. McClure C. Lee Stogner	Linda Bailey Hayden Srinivas Katkoori	Reza Adhami Donald C. Loughry Maura Schreier-Fleming	<u>Individuals</u> Robert Menzel Nita Patel Kevin Taylor <u>Organization</u> Dominion
2008 Martin Izaak Emily Sopensky				

IEEE-USA AWARD RECIPIENTS BY YEAR

(continued)

Precollege Education Committee Teacher-Engineer Partnership

<u>2003</u> Alan Mays (Teacher) William Conrad (Engineer)	<u>2004</u> William G. Speed, Jr. (Teacher) Mark R. Rognstad (Engineer)	<u>2005</u> Robert Cornacchioli (Teacher) James D. Jensen (Engineer)	<u>2006</u> Joy Huebel (Educator) Renato Recio (Engineer)
<u>2007</u> Christopher Benedict (Educator) Moises Cases (Engineer)	<u>2008</u> No recipients		

IEEE-USA AWARD RECIPIENTS BY YEAR

(continued)

Literary Awards

Literary/Furthering Professionalism

1988

Larry Dwon

1989

N/A

1990

Samuel C. Florman

1991

Robert K. Bellinger

1992

Michael W. Martin
Roland Schinzinger

1993

Jonathan A. Titus

1994

Steven Marcus

1995

Lawrence P. Grayson

1996

Irving J. Gableman

1997

Karen W. Ferguson

Literary/Furthering Public Understanding

1988

David E. Lundstrom

1989

N/A

1990

Robert W. Lucky

1991

Eleanor R. Adair
Richard F. Harris

1992

Kitta MacPherson
Emerson W. Pugh

1993

Walter J. Schuch
Jon Van

1994

Eugene S. Ferguson
Robert C. Post/John M. Staudenmaier

1995

Philip E. Jenks

1996

Jon Palfreman

1997

T. A. Heppenheimer/Ingrid Wickelgren

IEEE-USA AWARD RECIPIENTS BY YEAR

(continued)

Literary Awards

Literary/Furthering Professionalism

1998

N/A

1999

N/A

2000

N/A

2001

Ellen E. Schultz

Todd Yuzuriha

2002

Richard H.R. Harper & Abigail J. Sellen (co-authors)

David E. Brown

2003

No recipients

2004

No Recipients

2005

No Recipients

2006

No Recipients

Literary/Furthering Public Understanding

1998

David H.Gelernter/

G. Pascal Zachary

1999

Susan Landau and

Whitfield Diffie

Gary Dorsey

2000

Jon Katz

2001

Stuart F. Brown

David Kestenbaum

2002

Ben W. Sterns

2003

William S. Hammack

Ben Shneiderman

2004

Team of Steven Cooper, Scott Schroeder and Terri

Spitz

William J. Mitchell

2005

C. Stewart Gillmor

2006

WESH 2 News

IEEE-USA AWARD RECIPIENTS BY YEAR
(continued)

Literary Awards

Literary/Furthering Professionalism

2007
No Recipient

2008
Richard A. Ellis

Literary/Furthering Public Understanding

2007
Matt Wickenheiser

2008
Alan Boyle
John Dodge

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
George Abraham			1979					
Melvin N. Abramovich				1980 (2)	1979			
Eric S. Ackerman				2002 (3)				
Eleanor R. Adair			1999				1991	
Reza Adhami					2006			
Ray E. Aker				2002 (6)				
Wayne Akerson				2000 (VI)				
Fiorenza C. Albert-Howard				1998 (V)				
John L. Alexander				1978 (3)				
Lamar Alexander		2007						
James D. Allen					2000			
Stephen Allen			2007					
Milton Alpern					1981			
Harvey Alstadter					1996			
Wayne E. Amacher			1985 1993		1983			
Jack S. Andresen			1986		1978			
John Andrews					1980 1981			
Michael R. Andrews	2000			1989 (6)	1993			
Bruce Angwin			2001					
Charles E. Antoniak					1993			
Marquard H. Arndt				1989 (6)				
Nathan Aron					1981			
Michael J. Aronstein				1993 (6)				
William L. Aseniero					1996			

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Edwin L. Averill				2003 (D)				
Richard J. Backe	1984		1978					
Dean L. Bacon					1984			
Gerald E. Baehler					1983			
Keshoolal Bakhru				1998 (6)				
John W. Ballance				2002 (D)				
Alfred H. Barauck				1983 (6)				
Robert A. Barden			1983		1979			
Diane J. Barney				1985 (4)	1984			
John I. Barron				1979 (3)				
Sen. Max Baucus		2001						
Carleton A. Bayless	1995							
Charles D. Beaman				2003 (3)				
Matthew R. Bedosky				2000 (D)				
Benton Bejach					1980			
Robert K. Bellinger						1991		
Christopher Benedict								2007
John E. Bennett					1985			
Richard Benoit, Jr.	1981							
Layton A. Bergen				1986 (6)				
Peter Bergsneider				1989 (6) 1999 (6) 2003 (6)				
Baruch Berman				1990 II	1985			
Sandra K. Bidwell				1984 (6)	1980			
Joseph M. Biedenbach					1986			

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Jeff Bingaman		2007						
William Y. Bishop					1982			
Kenneth L. Black					1985			
Eric Bloch		1989						
Floyd W. Blum				1990 (3)				
Hon. Sherwood L. Boehlert		1995						
Valdemar Bodin			1982	1980 (3)	1979			
Roger M. Boisjoly			1988					
Charles R. Bond					1982			
James R. Bond					1979			
William B. Bonvillian		2006						
Joseph Bordogna		2005						
Shelly R. Born					2000			
Harry D. Bostic					1990			
Henry N. Bowes				1981 (5)				
Mary-Ann M. Boyce				1992 (2)				
Alan Boyle							2008	
Don C. Bramlett				2000 (4)				
Robert D. Briskman			1979					
Nigel J. A. Bristow					1994			
D. Allan Bromley		1991						
Robert T. Bronder			1984	1987 (6)	1978			
Alice C. Brown					1983			
David E. Brown						2002		
Les Brown			1994					
R. Steven Brown				1991 (6)				
Hon. George E.		1980						

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Brown								
Hilton U. Brown III	1980							
Stuart F. Brown							2001	
Robert Bruce			1980		1978			
Robert R. Bruckman				2002 (4)				
LeEarl A. Bryant			1999					
Robert S. Bryant				2001 (5)				
Merril W. Buckley, Jr.				1990 (2)				
Arthur M. Bueche					1980			
Henry A. Burger					1996			
Gayle E. Buroker				2001 (4)				
Bruce A. Burr				1988 (6)				
Walter Bury					1989 1985			
Robert J. Bush					1979			
James C. Bussert				1994 (6)				
Julian J. Bussgang				1995 (1)				
Rep. Benjamin L. Cardin		2001						
Terrence Carr				2007 (5)				
John A. Casazza			1985	1992 VII				
Moises Cases								2007
Mike Cheek				1990 (4)				
Hans C. Cherney	1983		1978					
Michael Chester					1985			
Frederick Chichester				1988 (1)				
Dwight A. Clayton					1983			

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Ralph I. Cole					1980			
David A. Conner					1983			
William Conrad								2003 (E)
Beth A. Cooper				1987 (2)				
Rory A. Cooper					2000			
Steven Cooper							2004	
Robert Cornacchioli								2005
Lester W. Cory			2001					
Robert F. Cotellessa			1979					
Don E. Cottrell					1986			
David B. Cousins					1987			
Charles I. Coy					1985			
Donald W. Cramer					1987			
Harry M. Cronson				1980 (1)	1978			
Staffard Cuffe					1985			
Thomas R. Cuthbert				1978 (5)				
Robert E. Dakin					1985			
Richard W. Damon					1979			
Jim Davis					1979			
Michael Davis					1980			
Robert J. Dawson				1998 (4)				
George R. Dean				1983 (5)	1988			
Wallace D. Decker			1983		1988			
Hal Dendurent					2000			
John P. Densler			1992	1987 (1)				
Joseph M. DeSalvo			1993					
Whitfield Diffie							1999	

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
John Dodge							2008	
Thomas W. Doeppner				1996 (2)				
Dominion					2007			
Ken Doniger					1998			
Gary Dorsey							1999	
Hon. Thomas J. Downey		1981						
Edward J. Doyle	1990							
Malcolm M. Drummon				1984 (1)	1982 1983			
David J. Dumin					1983			
Calvin Dunigan					1981			
Sajjad H. Durrani			1980	2000 (D)				
Larry Dwon	1982				1984	1988		
Jean M. Eason	2007			1992 (5)				
Lawrence D. Edelman					1978 1983			
Joseph A. Edminister			1986	1981 (2)				
Cong. Vernon J. Ehlers		2000						
Walter Elden			1998		1980			
Charles A. Eldon	1994							
Lynn W. Ellis				1985 III				
Richard A. Ellis						2008		
Paul Engler					1983			
Joseph M. Erbacher					1979			
Jane G. Evans					1978			

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
James O. Everly					1997			
James F. Fairman			1982					
Parviz Famouri				2004 (2)				
Jim Fancher			2008					
Edward B. Farkas				1990 (1)				
Eugene S. Ferguson						1994		
Karen W. Ferguson						1997		
Sidney Fernbach			1987		1984			
Lester A. Fetting					1979			
Craig I. Fields		1992						
Cathy Figorito					1979			
Dusty Fisher				2008 (5)				
David E. Flinchbaugh					2002			
Samuel C. Florman						1990		
David W. Ford				1983 (4)	1982			
Julian Forester				1994 IV				
Herb L. Forsythe, Jr.					1992			
John F. Foulkes					1981			
Robert L. Frank			1983					
Ronald J. Fredricks	1985		1983	1978 (4)				
Otto Friedrich				1985 (5)				
Rep. Don Fuqua		1985						
Irving J. Gabelman					1987		1996	
Julie K. Gaevert					1999			
Luis T. Gandia				2001 (VI)				
Oscar N. Garcia				1991 V & VIII				

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Vernon E. Gardner				1994 VI	1984			
Robert H. Gauger				1993 (6) 2001 (VI) 2004 (R)				
David H. Gelernter						1998		
Hon. Sam M. Gibbons		1994						
Jay Gilbert					1990			
C. Stewart Gillmor							2005	
Hon. John Glenn		1982						
Harold S. Goldberg			1978					
Max B. Goldberg				1990 (4)				
David J. Goldston		2006						
Gerald W. Gordon			1987	1985 (2)				
James E. Gover			1998					
Richard J. Gowen	1986							
Sen. Charles Grassley		2001						
Lawrence P. Grayson	1991		1988		1985	1995		
Tim Grayson				2000 (IX)				
David G. Green				1995 (3)	1998			
Arthur N. Greene			1982	1981 (3)				
Andrew C. Greenberg			2003					
Al Gross				1992 IX				
H. Mark Grove					1978			
Alex Gruenwald				1983 (1)				
John J. Guarrera	1978		1994		1982			

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Martin L. Halperin					1994			
Ben Shneiderman							2003	
Adeeb Alex Hamzey					1993			
John C. Handy					1983			
Donald W. Haney					1979			
Richard H.R. Harper						2002		
Richard F. Harris							1991	
Madelyn A. Harwood				1994 (4)				
James C. Hastings				1993 (3)				
Linda Bailey Hayden					2005			
Sean Haynes				2000 (3)				
Harb S. Hayre					1992			
Paul L. Hazan					1992			
Roger Heintz					1982			
Herb H. Heller				1978 (2)				
Russell F. Henke				2001 (VI)				
Rudolf E. Henning			1992					
Donald C. Herres			2006					
T. A. Heppenheimer							1997	
Donald W. Hill			2004	2008 (3)	1982			
Ronil Hira			2003					
Evelyn H. Hirt	2008							
Philip Holmer			2004					
Anthony J. Hornfeck					1983			
John A. Hoschette			1999					
Melvin Hotz			2002					
Joy Huebel								2006
Eugene					1979			

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Huebschmann					1982			
Carl L. Hussey				2006 (3)				
Greg Hutchins				2007 (6)				
Joseph S. Iandioro				1992 (1)				
Martin Izaak					1988 2008			
Cecelia Jankowski			1995					
William B. Jarzembki				1985 X	1983			
Jack Jatlow					1979			
James Jefferies				2006 (5)				
Sen. James M. Jeffords		2001						
Philip E. Jenks							1995	
Gerald F. Jennings				1991 (1)				
Karl B. Jennings					1983			
James D. Jensen								2005
David L. Johnson				1979 (5)				
Gary E. Johnson					1996			
Billy E. Jones					1986			
Marin Kaliski				2002 (6)				
Srinivas Katkoori					2005			
Jon Katz							2000	
Hon. Nancy Kessebaum Baker		1998						
John J. Kelleher					1987			
William Kelly					2000			
Hon. Edward M. Kennedy		1996						

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Barbara Kent					1990			
David Kestenbaum							2001	
Russell H. Kinner					2000			
Carl K. Kintzel			1993	1989 (4)	2001			
Lawrence R. Knapp					1991			
Fred Kobashikawa					2000			
Howard Kohlbacher					2001			
Stephen F. Kowel					1979			
Carolyn T. Koenig				1993 (6)				
Richard Kolodziejczyk				2008 (D)				
Leann Kostek			1997					
Paul J. Kostek	2002		1994	1993 IX				
Robert L. Krause				1996 (5)				
Seymour Krevsky				1990 (1)				
George F. Kujawski					1978			
Luis G. Kun			2002					
Loren Lacy				2000 (5)				
Tarek Lahdhiri			2007	2004 (4)	2001			
Shankar T. Lakhavani					1994			
Anthony Lamb					1983			
Ralph A. Lamm				1985 (6)				
Dennis Lamont				2002 (4)				
Susan Landau							1999	
Orin Laney					1985			
William D. Lang				1987 VII				
Richard E. Larsen				1992 (6)				
Arvid G. Larson					1987			

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Clifford Lau			2005					
K. P. Lau					1985			
Herbert Lavin					1979			
Stella Lawrence					1978			
David Leichtman					1982			
Benjamin J. Leon			1985					
James V. Leonard	1996					1986		
S. K. Leong				1990 (6)				
Rosanna Lerma				1994 (6)				
Burton A. LeVine					1994			
Stuart N. Levy					1992			
David C. Lewis			1981					
Joseph V. Lillie			2003	1996 (5)				
Andrew C. Lindberg					1991			
Charles J. Lord			2003					
Frank E. Lord			1980	1992 (IX) 2002 (IX)	1978 1979			
Donald C. Loughry					2006			
Louis A. Luceri				1988 (1)				
Robert W. Lucky							1990	
Robert E. Ludlum					1987			
Daivd E. Lundstrom							1988	
Kitta MacPherson							1992	
Alfred U. MacRae				2001 (D)				
Roger F. Madden					1991			
Guruprasad Madhavan								
Luke R. Maki				2005 (X)	2004			

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Behnam Malakooti				2000 (D)				
Bernard Manheimer					1989			
Steven Marcus							1994	
William Marshall				2004 (3)				
Richard B. Marsten			1991					
John E. Martin			1994					
Michael W. Martin						1992		
Duane Matthiesen					1981 1983			
Lois K. May			1990		1987			
Peter J. May				1995 III	1993			
Alan D. Mays								2003 (T)
Robert Menzel					2007			
Alan K. McAdams					1993			
Daryl L. McCall				2000 (4)				
George F. McClure	1999			1988 (3)	2004			
Hon. James McClure		1983						
Robert W. McClure			2007					
Hon. Mike McCormack		1979						
Kenneth L. McGowan				1979 (6)				
Jorge Medina					1995 1996			
Paul Meisel			2007					
Vic Melville					1999			
Allan T. Mense				1988 VII				
Robert Menzel					2007			
John W. Meredith				1991 (5)				

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Danny L. Michaels				1987 (5)				
William W. Middleton	1998		1989					
John J. Miller			1989	1984 (3)	1983			
Maury Miller				2007 (6)				
Norman D. Miller				1999 (IX)				
Eremita P. de Miranda					1998			
Gordon L. Mitchell					1996			
William J. Mitchell							2004	
Fausto E. Molinet, Jr.			2002					
Richard G. Molyet					2001			
Lois K. Moore					1987			
Halden A. Morris				2007 (3)				
James J. Mulligan	1978							
Winnfort J. Myles				2004 (6)				
Robert T. Nash				1985 (3)				
Nataraj S. Nataraj			2000	1999 (2)	1995			
Jack Nawrocki				1980 (6)				
Howard M. Needham				2001 (2)				
Larry G. Nelson Sr.			2002					
Norman P. Neureiter		2003						
New Horizons Telecom, Inc					2002			
Walter R. Nial			1986		1983 1984			
David C. Niemi					2001			
Charles A. Nicita					1980			
John W. Nirschl				2008 (4)				

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Robert Noberini	2001			1985 VII				
Charles C. Olsefsky					1978			
John F. Osborn				1992 IV				
David M. Ostfeld			1992		1991			
Ralph D. Painter				2005 (3)				
Jon Palfreman							1996	
Frank H. Palmer			1978					
Gerald P. Parsons					1978			
G. F. Paskusz					1985			
Nita Patel					2007			
Michael D. Patena			1995	1985 (2) 1993 (2)				
Carole Patton					1983			
John H. Pease, Jr.					2002			
John D. Peebles				1984 (5)	1983			
Hernan E. Pena, Jr.				1997 (3)				
Charles W. Pender, Jr.					1978			
Edward G. Perkins			2008	2005 (6)				
Michael P. Perry					1983			
David J. Pierce				1996 (5)	1992			
K. James Phillip, Jr.				1993 (2)				
Edwin Podell					2002			
George Poletti				1984 (2)				
Rep. Earl Pomeroy		2001						
Rep. Robert Portman		2001						
Robert C. Post						1994		

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Deborah M. Powers			1996					
Robert S. Powers			2000		1992			
Vernon B. Powers			1996					
Donald A. Preston				2002 (5)				
Wyman J. Priester III				1994 (2)				
John Prohodsky				2007 (VIII)				
Edward Ptak					1985			
Emerson W. Pugh							1992	
Amedo Qualich					1982			
Ataur Rahman					1999			
Grayson W. Randall			2007					
Renato Recio								2006
John R. Reinert	2003			1994 (5)				
Irving Reingold					1990			
John M. Richardson	1988							
Donald E. Rickerson					1999			
Richard L. Riddle				1995 (3)				
William R. Riggs					1978			
Kathryn J. Rinehart					2001			
John Rini					1984			
Marlin P. Ristenbatt			1984 1997	1979 (4)	1992			
Hon. Don Ritter		1990						
William T. Ritter			1998					
Robert A. Rivers			1978		1992			
Janet H. Rochester				1994 VI				
George F. Rodgers				1992 IX				

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Alvin L. Roelse			1995	1986 (5)				
Thomas F. Rogers			1996 2005		1995			
William P. Rogers		1986						
Mark R. Rognstad								2004 (E)
Dana Rohrabacher		2004						
James J. Rooney					1985			
Albert J. Rosa				1990 (5)				
Arthur L. Rossoff				1979 (1)				
Stanley Roth					1979			
Charles P. Rubenstein	2004		2000	1997 VI				
Milton T. Rubin					1981 1984			
Peter A. E. Rusche			1984					
Ralph W. Russell, II			1989 2001 2005					
Laura Rust					1985			
William T. Sackett			1990		1986			
R Sampath				2006 (6)				
Ned R. Sauthoff				1996 VII				
Monroe B. Savage				2007 (3)				
Rhonda C. Schennum				1995 (6)				
Roland Schinzinger						1992		
Kenneth J. Schlager				1987 (4)				
Harrison H. Schmitt					1980			

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Thomas R. Schneider			2008					
Maura Schreier-Fleming				2003 (5)	2006			
Scott Schroeder							2004	
Walter J. Schuch							1993	
David J. Schultz					1983			
Ellen E. Schultz						2001		
Paul V. Schwarz				1981(4)				
Richard Schwarz			2008					
Schweitzer Engineering Laboratories, Inc.					2002			
George F. Seebeck, Jr.				1993 VII				
John Sees				1982 (3)				
Abigail J. Sellen						2002		
David V. Serreyn				1982 (4)				
Ben Shneiderman							2003	
Barry L. Shoop				1999 (1)				
Alan B. Showalter				1993 (4)				
Donald J. Silversmith					1999			
George J. Simonis				1991 I				
Hon. Alan K. Simpson		1996						
William A. Sims				2001 (3)				
Robert R. Sinuasa				1988 (1)	1981			
Jack Sippel					1997			
Wallace A. Skelton				1989 (2)				
Luther G. Smith					1979			

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Joel B. Snyder			1979	1978 (1)				
Martin M. Sokoloski			2005					
Karl O. Sommer					1981			
Emily Sopensky					2008			
William G. Speed, Jr.								2004 (T)
Ronald L. Sprague					1980			
John E. Spenser, Jr.					1989			
Terri Spitz							2004	
Will Stackhouse					1991			
Forrest L. Staffanson					1983			
Michael P. Stark					1998			
George H. Starr				1978 (6)				
John M. Staudenmaier						1994		
John W. Steadman			1995					
Ben W. Stearns							2002	
Clarence Lee Stogner			2003	1997 (3)	2004			
James F. Strother	1997		1993	1979 (2) 1986 (2), VI				
Frederick Suffield					1978 1979			
Ronald A. Tabroff				2005 (1)				
William Tackaberry			1991					
Robert F. Tanner	1992							
S. Zarfar Taqvi				1988 (5) 1997 (5)				

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
				2003 (D)				
Jesse J. Taub				2001 (D)				
Richard F. Tax			1984	1981 (1)	1978 1979 1988			
Kevin Taylor					2007			
Glenn S. Tenney			2004					
Lewis N. Thomas					1981			
Glenn R. Thoren				1991 (1)				
K. Reed Thompson					1978			
Jonathan A. Titus						1993		
Ravi Todi				2007 (3)				
Mauro Togneri			1997					
Mehmet Toy				1998 (III)				
M. Don Trundle				1995 (3)				
Elefterios Tsengas					1982 1983			
Frederick J Twogood			1985					
Stephen H. Unger	1987							
Hamid Vakilzadian				2004 (4)				
Jon Van							1993	
Joseph W. Vick Roy				1998 (6)				
Hon. Doug Walgren		1984						
Ron Walters					1980			
John E. Walters				1984 (4)				
James A. Watson			1987 2001		1984 1990			

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Gary M. Waugh				2001 (4)				
Robert E. Weiler				1983 (2)				
Irving L. Weiner				1993 (1)				
Bruno O. Weinschel	1979							
Irwin Weitman			1996		1993			
WESH 2 News							2006	
Carl Wick			2000					
Robert M. White		1993						
William D. Whipkey			1991	1982 (5)				
Matt Wickenheiser							2007	
Joseph A. Wiencko, Jr.				1983 (3)	1984			
William F. Wilkes					1986			
F. Karl Willenbrock			1987					
Myron F. Wilson				2008 (4)				
Ronald Wojtasinski			1980					
Edward A. Wolff					1979			
Edward C. Wong				2000 (D)				
Charles R. Wright					1987			
Francine E. Wright				1990 (6)				
Joseph H. Wujek				1990 (6)				
William Wulf		2008						
Gary D. Wylie					1984			
Rodger W. York					1993			
Fay L. Young			1981					
Leo Young	1993							
Todd Yuzuriha						2001		
G. Pascal Zachary						1998		

IEEE-USA AWARD RECIPIENTS BY NAME OF AWARDEE								
NAME	RW	DPS	CH	R/D	PA	FP	FPU	PTEP
Roger Ziemer					1985			
George W. Zobrist			2004					
Victor Zourides				1985 (1)	1980			

RECOGNITION OF IEEE-USA SERVICE

1978	1979	1980	1981	1982
<u>Vice President, Professional Activities</u>				
(1)Engraved plaque signed by Members of USAB	(1)Same	(1)Same	(1)Same	(1)Same
(2)Silver tray, engraved	(2)Silver bowl, engraved	(2)Silver tray, engraved	(2)Silver bowl, engraved	(2)Silver pitcher
		(3)Framed reproduction of IEEE Washington Office mural*		
<u>Members of USAB</u>				
Engraved plaques	Certificates of Appreciation	Matted reproductions of IEEE Washington Office mural*	Certificates of Appreciation	Certificates of Appreciation

* **Special presentation in 1980 only to commemorate execution of mural at new Washington Office location. This special presentation included framed reproductions to the 1980 IEEE President, who conducted IEEE business through the Washington Office, rather than Headquarters; Congressman James C. Corman, who supported USAB legislative efforts over a period of year; the IEEE General Manager and Staff Director of Professional Services. Matted reproductions were presented to the IEEE Executive Committee.**

RECOGNITION OF IEEE-USA SERVICE

(continued)

1983 1984 1985 1986 1987

Vice President, Professional Activities

(1)Same	(1)Engraved plaque signed by Members of USAB	(1)Cordless Telephone	(1)Engraved plaque signed by Members of USAB	(1)Telephone answering machine
(2)Silver urn, engraved	(2)Silver tray, engraved		(2)Silver tray, engraved	

Members of USAB

(1)Certificates of Appreciation Appreciation	(1)Certificates of Appreciation	(1)Certificates of Appreciation	(1)Certificates of Appreciation	(1)Certificates of
	(2)IEEE paperweights engraved	(2)Drawings of 1985 United States Activities Board	(2)Engraved ball point pens	(2)Engraved mechanical pencils

RECOGNITION OF IEEE-USA SERVICE

(continued)

1988	1989	1990	1991	1992
<u>Vice President, Professional Activities</u>				
(1)Engraved plaque signed by Members of USAB	(1)Silver water pitcher	(1)Engraved plaque signed by Members of USAB	(1)Computerized diving chronometer	(1)Engraved plaque signed by Members of USAB
(2)Silver tray, engraved	(2)Cordless telephone	(2)Leather travel bag	(2)Gavel	(2)Hand-held VHF marine radio
	(3)Gavel			(3)Painted wooden name sign for boat
				(4)Gavel
<u>Members of USAB</u>				
(1)Automated telephone dialers	(1)Engraved fountain pens	(1)Engraved passport sized wallets	(1)Monogrammed golf shirts	(1)Personalized nylon executive briefcases
(2)Engraved plaques for Members leaving Board	(2)Engraved plaques for Members completing 2nd year of term	(2)Engraved plaques for Members completing 2nd year of term	(2)Engraved plaques and desk name plaques for Members completing 2nd year of term	(2)Engraved plaques for Members completing 2nd year of term
(3)IEEE-USA Certificates of Appreciation for Member continuing in 1989	(3)IEEE-USA Certificates of Appreciation for Members continuing in 1990	(3)IEEE-USA Certificates of Appreciation for Members completing first year of term	(3)IEEE-USA Certificates of Appreciation for Members completing first year of term	(3)IEEE-USA Certificates of Appreciation for Members completing first year of term

RECOGNITION OF USAB SERVICE

(continued)

1993	1994	1995	1996
<u>Vice President, Professional Activities</u>			
(1)Engraved Plaque signed by Members of USAB	(1)Personalized marble bookends	(1)Engraved Plaque signed by Members of USAB	(1)Case of Champaign
(2)Waterford paperweight	(2)Gavel	(2)Waterford paperweight (Capitol Dome)	(2)Set of Waterford Crystal Goblets
			(3)Collage of Pictures
			(4)Gavel

Members of USAB

(1)Personalized travel clocks	(1)Paperweights	(1)Personalized daily planner/organizer	(1)Travel Office Folio
(2)Engraved plaques for Members completing 2nd year of term	(2)Engraved plaques for Members completing 2nd year of term	(2)Engraved plaques for Members completing 2nd year of term	
(3)IEEE-USA Certificates of Appreciation for Members completing first year of term	(3)IEEE-USA Certificates of Appreciation for Members completing first year of term	(3)IEEE-USA Certificates of Appreciation for Members completing first year of term	

RECOGNITION OF IEEE-USA SERVICE

(continued)

<u>1997</u> <u>VP, Professional Activities</u>	<u>1998</u> <u>IEEE-USA President</u>	<u>1999</u> <u>IEEE-USA President</u>	<u>2000</u> <u>IEEE-USA President</u>
(1)Engraved Plaque signed by Members of USAB	(1)Engraved Plaque signed by Members of IEEE-USA BoD	(1) Engraved Plaque signed by Members of IEEE-USA BoD *	(1) Gavel
(2)Waterford paperweight (Capitol Dome) With engraving	(2)Onyx base, Sterling Silver 25th Anniversary emblem for First IEEE-USA VP	(2) 2 Martini Glasses, Silver Shaker, and a Box of Cigars	
(3)Gavel	(3)Gavel	(3)Gavel	
<u>Members of USAB</u>	<u>IEEE-USA Board</u>	<u>IEEE-USA Board</u>	<u>IEEE-USA Board</u>
(1)Pen and calling card holder	(1)25th Anniversary Coaster	(1)Acrylic USA Map Paper Weight	(1) Leather Key Ring
(2)Engraved plaques for all members of USAB	(2)Engraved plaques for all out- going IEEE-USA BoD members		

* 1999 IEEE-USA President will receive his plaque after his third year.

RECOGNITION OF IEEE-USA SERVICE

(continued)

2000

IEEE-USA President

- (1) Waterford Crystal-Capitol Dome
- (2) Gavel

IEEE-USA Board

- (1) Leather-bound World Atlas

2001

IEEE-USA President

- (1) Picture Collage
- (2) Gavel

IEEE-USA Board

- (1) Bronze Eagle

RECOGNITION OF IEEE-USA SERVICE

(continued)

Committee and Task Force Leaders,
Regional and Divisional PACE Coordinators

1978	1982	1986	1990	1994	1998
Certificates of Certificates Appreciation	Certificates of Appreciation	Certificates of Appreciation	IEEE-USA Certificates of Appreciation	IEEE-USA Certificates of Appreciation	IEEE-USA of Appreciation
1979	1983	1987	1991	1995	1999
Certificates of Certificates Appreciation	Certificates of Appreciation	Certificates of Appreciation	IEEE-USA Certificates of Appreciation	IEEE-USA Certificates of Appreciation	IEEE-USA of Appreciation
1980	1984	1988	1992	1996	
Matted reproductions of IEEE Washington Office Mural*	Certificates of Appreciation	IEEE-USA Certificates of Appreciation	IEEE-USA Certificates of Appreciation	IEEE-USA Certificates of Appreciation	
1981	1985	1989	1993	1997	
Certificates of Appreciation	Certificates of Appreciation	IEEE-USA Certificates of Appreciation	IEEE-USA Certificates of Appreciation	IEEE-USA Certificates of Appreciation	

* **Special presentation in 1980 only to commemorate execution of mural at new Washington Office location. This special presentation included framed reproductions to the 1980 IEEE President, who conducted IEEE business through the Washington Office, rather than Headquarters; Congressman James C. Corman, who supported USAB legislative efforts over a period of year; the IEEE General Manager and Staff Director of Professional Services. Matted reproductions were presented to the IEEE Executive Committee.**

Other

In 1992, Staff Director Leo C. Fanning retired. He received a plaque signed by past eight Vice Presidents for Professional Activities, a framed IEEE-USA Certificate of Appreciation and a cordless drill. General Manager Eric Herz also retired in 1992 and received a framed IEEE-USA Certificate of Appreciation.

In 1993, Donald Christiansen retired as Editor and Publisher of Spectrum and The Institute. He received a plaque at the PACE Workshop.

In 1996, the USAB Chair presented a Special Citation to Joyce I. Medalen (University of North Dakota) for her years of service in encouraging young people, particularly women, to consider a career in engineering. The Chair also presented a Special Citation to the Phoenix Section for their many services over the years which have led to valuable and enjoyable PACE conferences.

In 1997, the USAB Chair presented a Special Citation to Ms. Peggy Hutcheson for her leadership and ongoing contributions to the work of the IEEE-USA Career Maintenance and Development Committee, and to the Employment Assistance Committee for their work on establishing, expanding and enhancing the IEEE-USA Job Listing Service.

In 1997, USAB Senior Specialist Robert S. Walleigh retired. He received a plaque signed by members of the 1997 United States Activities Board. The Managing Director for Professional Activities Tom Suttle presented him with a book of memoirs which is a collection of articles contributed by volunteers and staff. Robert S. Walleigh also received American Express Gift Cheques.

In 2003, the IEEE-USA President presented a Special Citation to Ms. Peggy Hutcheson for her tireless efforts and devotion to enhancing the careers and professional development of U.S. IEEE members. The 2004 President, John W. Steadman, presented her with a plaque during the Awards Ceremony held during the IEEE-USA Leadership Workshop in Atlanta, GA.

In 2003, the IEEE-USA President presented a Special Citation to Mr. Erwin Gangl for his collaboration with the IEEE Student Branch at the Air Force Institute of Technology (AFIT) to set up a display with IEEE-USA to commemorate the avionics developed in the first 100 years of flight. The 2003 President, James V. Leonard, presented him with a plaque at the AESS PLANS Conference in Monterey, CA.

In 2004, Managing Director, Thomas Suttle retired. He received a plaque signed by the three Presidents.

In 2004, the IEEE-USA President presented a Special Citation to Mr. Nigel J.A. Bristow for his tireless efforts and devotion to enhancing the careers and professional development of U.S. IEEE members. The 2005 President, Gerard A. Alphonse, presented him with a plaque during the Awards Ceremony held during the IEEE-USA Leadership Workshop in Tucson, AZ.

**HARRY DIAMOND MEMORIAL AWARD
RECIPIENTS**

YEAR	RECIPIENT'S NAME	CITATION
1950	Andrew V. Haeff	For his contribution to the study of the interaction of electrons and radiation, and for his contribution to the storage tube art.
1951	Marcel J. E. Golay	For his many contributions in the overall Signal Corps research and development program and particularly for his accomplishments leading toward a reduction in the infrared-radio gap.
1952	Newbern Smith	For his fundamental work during a period of many years on radio wave propagation, this work being the basis for the practical use of ionospheric observations in the operation of world-wide communication systems.
1953	Robert M. Page	For outstanding contributions to the development of radar through pioneering work and through sustained efforts over the years.
1954	Harold A. Zahl	For his technical contributions, his long service, and his leadership in the S. Army Signal Corps research program.
1955	Bernard Salzberg	For his contributions of electron tubes, circuits and military electronics.
1956	W. S. Hinman, Jr.	For his contributions to the electronic art in the fields of meteorology and proximity fuzes.
1957	Georg Goubau	For his many contributions in ionospheric research and circuit theory, and for his discovery of the surface wave transmission principle.
1958	Edward W. Allen, Jr.	For his technical and administrative contributions in the field of radio spectrum utilization.
1959	Jack W. Herbstreit	For original research and leadership in radio-wave propagation.
1960	K. A. Norton	For contributions to the understanding of radio wave propagation.
1961	Helmut L. Bruekmann	For outstanding contributions to the theory and technology of antennas.
1962	William Culshaw	For outstanding accomplishments in the field of

**HARRY DIAMOND MEMORIAL AWARD
RECIPIENTS**

YEAR	RECIPIENT'S NAME	CITATION
		microwave optics and interferometry.
1963	Allen H. Schooley	For contributions in government service to radar and electronic research.
1964	James R. Wait	For outstanding contributions in the field of electromagnetic wave theory.
1965	George J. Thaler	For his outstanding contributions to the published literature in the area of linear and non-linear feedback control theory.
1966	John J. Egli	For outstanding contribution in government service in the fields of wave propagation, electromagnetic compatibility and advanced radio communications.
1967	Rudolf A. Stampfl	For his outstanding technical contribution and his able direction of a highly complex engineering organization that has contributed greatly to the exploration of space.
1968	Harry I. Davis	For his outstanding contributions in the conception and development of innovations in military electronics.
1969	Maurice Apstein	For contributions to ordnance electronics and inspiring leadership in the work of government laboratories.
1970	Allen V. Astin	For outstanding contributions and for inspiring technical leadership in instrument and measurement technology.
1971	Arthur H. Guenther	For his contributions to high power pulse techniques to simulate the environmental effects of nuclear weapons explosions, a vital part of the safeguards to the nuclear test ban treaty.
1972	William B. McLean	For outstanding leadership of developments in guided missiles and undersea exploration and transport.
1973	Harold Jacobs	For identification of new bulk semiconductor effects at millimeter waves, with application to the

**HARRY DIAMOND MEMORIAL AWARD
RECIPIENTS**

YEAR	RECIPIENT'S NAME	CITATION
		fields of imaging and surveillance.
1974	Chester H. Page	For outstanding technical leadership and contributions to ordnance electronics, metrology and standards, and especially in domestic and international standardization of electrical quantities and symbols.
1975	Louis Costrell	For outstanding achievements in nuclear radiation measurement techniques are related instrumentation standardization.
1976	Maxime A. Faget	For contributions to the design and development of Gemini, Apollo and Space Shuttle manned space-craft.
1977	Jacob Rabinow	For important inventions in ordnance, computers, and post office automation.
1978	David M. Kerns	For contributions to microwave theory basic to power, impedance and antenna standards and measurements.
1979	Henry P. Kalmus	For contributions to electronic ordnance systems.
1980	Martin Greespace	For contributions to the fields of acoustics and elasticity.
1981	George Abraham	For development of multi-stable semi-conductor devices and integrated circuits and their application to military system.
1982	Jules Aarons	For contributions to the understanding of trans-iono-spheric wave propagation and its application to satellite communications and navigation.
1983	Merrill I. Skolnik	For fundamental contributions to radar system engineering including antennas, bistatic techniques.
1984	Sydney R. Parker	For fundamental contributions in sensitivity analysis, digital filters, and discrete time modeling.
1985	Howard S. Jones, Jr.	For development and application of microwave conformal antennas and millimeter-wave components.

**HARRY DIAMOND MEMORIAL AWARD
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YEAR	RECIPIENT'S NAME	CITATION
1986	T. G. Giallorenzi	For contributions to the development of naval electro-optics and optical fiber technology.
1987	Carl E. Baum	For outstanding contributions to the knowledge of transient phenomena in electromagnetics.
1988	Richark J. Doviak	For contributions to, and applications of, weather radar science.
1989	William F. Utlaut	For contributions to ionospheric research and leadership in radio science and engineering.
1990	Robert E. Hebner	For development of electrical measurements and standards for the electric utility industry.
1991	Harold L. Hughes	For contributions and leadership in the field of radiation hardening of microelectronic devices.
1992	Freeman D. Shepherd, Jr.	For contributions and leadership in the invention, understanding, development, and application of metal silicide Schottky diode-based infrared imaging sensors.
1993	Robert A. Kamper	For pioneering the application of superconducting quantum-mechanical principles to metrology, for directing development of advanced cryoelectronics devices, and for guiding and metrology program supporting the lightwave industry.
1994	Martin Misakian	For his conception, development, and implementation of measurements of power frequency electric and magnetic fields, especially his measurement methodology for fields and ion densities near both AC and DC power transmission lines.
1995	J. Mark Pullen	For designing and developing a worldwide network supporting distributed simulation and command and control technology for the U. S. Department of Defense.
1996	George G. Harman	For his authoritative contributions to the microelectronics industry in understanding the science and metallurgy of contact bonding and the

**HARRY DIAMOND MEMORIAL AWARD
RECIPIENTS**

YEAR	RECIPIENT'S NAME	CITATION
		implementation of this knowledge in device and packaging interconnection.
1997	Edward E. Altshuler	For significant contributions to the fields of antennas and propagation, including his original work on the resistive loaded traveling wave linear antenna and subsequent research on loaded monopole antennas.
1998	Michael A. Stroschio	For pioneering contributions to phonon engineering in electronic structures, for seminal contributions to understand relativistic laser-plasma interactions, and for leadership in establishing programs.
1999	Gerald M. Borsuk	For his outstanding technical leadership and innovative management skills demonstrated during his many years of service at the U.S. Naval Research Laboratory and in advisory roles to the Department of Defense and other U.S. Government agencies.
2000	Mitra Dutta	For innovative design, characterization and realization of high performance heterostructure optoelectronic devices and establishment of major research programs in this field.
2001	Robert J. Trew	For technical contributions to the theory and design of microwave power devices, and for his leadership in managing the Department of Defense's basic research programs.
2002	Hans Joachim Liebe	For pioneering contributions to the microwave spectroscopy of oxygen and water vapor and for the development of models of the complex refractivity of the atmosphere.
2003	Gregory H. Ames	For his significant technical contributions to the field of fiber optic acoustic sensors.
2004	Robert K. Parker	For leadership in radio frequency vacuum electronics, and pioneering technical contributions in the fields of intense relativistic electron beam technology, free electron lasers and gyro-

**HARRY DIAMOND MEMORIAL AWARD
RECIPIENTS**

YEAR	RECIPIENT'S NAME	CITATION
		amplifiers.
2005	G. Clifford Carter	For distinguished technical contributions and exceptional engineering leadership in the field of sonar signal processing
2006	No Recipients	N/A
2007	Meyya Meyyappan	For distinguished technical contributions and engineering leadership in the development of nanotechnology applications in sensors, instrumentation, and devices
2008	Dwight Woolard	For contributions and leadership in the discovery and development of novel electronic and optoelectronic devices and systems with emphasis on terahertz frequencies

ELECTROTECHNOLOGY TRANSFER AWARDRECIPIENTS		
YEAR	RECIPIENT'S NAME	CITATION
1994	Michael J. Marcus	For his pioneering work in the conception , drafting, and enactment of the Federal regulations that legalized commercial spread spectrum radio under FCC Part 15, the rules governing unlicensed devices; thus spawning a multimillion dollar, worldwide, wireless industry.
1994	Richard A. Stern	For his aggressive utilization of the tools of the Federal Technology Transfer Act of 1986 to compile an impressive record of fifty-five signed Cooperative Research and Development Agreements (CRADAs) and fifteen Patent License Agreements.
1995	John Clarke	For the development, transfer and commercialization of a key invention - a novel, ultra sensitive magnetometer based on direct current SQUID s (Superconducting Quantum Interference Devices) using high transition temperature (high Tc) superconductors and operating in liquid nitrogen at 77K.
1995	Clark A. Hamilton	For providing services that collectively have resulted in the practical introduction of a new voltage standard based on Josephson-junction arrays into industry and the general metrology community of measurement systems.
1996	Allen C. Newell	For his leadership role in the development and implementation of antenna near-field scanning methods, and his pivotal role in transforming a theoretical development into a practical measurement tool which has become the preferred method for evaluation and testing of advanced antennas.
1996	B. Don Russell	For his research and development in the application of microcomputers and signal processing to electric power distribution protection and automation which, with his considerable assistance, is being applied and marketed by General Electric Company as the Digital Feeder Monitor for detecting high

ELECTROTECHNOLOGY TRANSFER AWARDRECIPIENTS		
YEAR	RECIPIENT'S NAME	CITATION
		impedance and conventional overcurrent faults on distribution feeders.
1997	NONE SELECTED	
1998	Jerry Olson	For research and development of a gallium indium phosphide/gallium arsenide (GaInP ₂ /GaAs) cascade solar cell using a tandem design, and its successful adaptation by the commercial satellite industry.
1999	William J. Kaveney	For his outstanding record in initiating, negotiating, and executing more than 85 Cooperative Research and Development Agreements for his directorate of the U.S. Air Force and for managing nearly a quarter of the Air Force's active technology transfer licenses.
1999	Michael V. Scanlon	For his invention and development at the U.S. Army Research Laboratory of an Acoustic Monitoring Pad for measuring physiological parameters and his initiative in the subsequent adaptation of this technology to a state-of-the-art Sudden Infant Death Syndrome Monitor and Stimulator.
2000	Ron Gilbert	For his foresight and leadership in RF Tagging technology, and as technical task force lead on more than 50 RF tagging projects.
2001	Adam M. Kissiah, Jr	For contributions in the fields of aerospace instrumentation, including developing principles of the Cochlear implant device
2001	Jan F. Lindberg	For innovate transducer concepts that have advanced the art and science of underwater acoustic technology
2002	No Recipients	N/A
2003	No Recipients	N/A
2004	David O. Patterson	For spearheading development of advanced lithographic approaches and tools that foster exceptional advances in Department of Defense capabilities and their transfer to commercial application
2005	No Recipients	N/A
2006	No Recipients	N/A

ELECTROTECHNOLOGY TRANSFER AWARDRECIPIENTS		
YEAR	RECIPIENT'S NAME	CITATION
2007	Michael J. Duarte	For the transfer of technology to medical diagnostics by applying digital imaging enhancement used for finding underwater objects to detecting small lesions in mammograms
2008	No Recipients	N/A