

## MEMORANDUM

To: Members of the AAES Board of Directors  
From: Jon D. Nelson, Chair, AAES 2009/2010 Awards Committee  
Subject: Call for Nominations, 2009 AAES Awards  
Date: September 1, 2009  
Copy: 2009 Awards Committee Members

It is time once again to consider those deserving of recognition by the engineering profession. Nominations for the various awards conferred by the American Association of Engineering Societies are hereby requested.

Attached are the following documents:

- Awards Summary and Call for Nominations
- Award Guide and Past Recipients
- Nomination Procedures
- Nomination Form

Please review the available awards and nominate deserving individuals from your society for consideration by the AAES Awards Committee. Lists of previous recipients of each award are attached.

There is no higher form of recognition than that of one's peers. We all work with individuals whose accomplishments deserve recognition. The AAES Awards Program is an opportunity for your society to acknowledge the accomplishments of your members and to have the broader engineering community share in honoring their important accomplishments. I hope each of you will pursue nominations of deserving members.

The 2009/2010 AAES Awards Committee looks forward to your nominations and to the difficult task of selecting each award winner from another group of highly deserving individuals.

Thank you for your attention to this request. **Please have your nominations submitted to AAES by December 31, 2009.**

# **2009 AAES AWARDS**

## **Honoring People for their Contributions to Engineering and to Society**

### **Awards Summary**

The American Association of Engineering Societies annually presents the following awards.

#### **National Engineering Award**

*The National Engineering Award is presented for inspirational leadership and tireless devotion to the improvement of engineering education and to the advancement of the engineering profession, as well as to the development of sound public policies as an engineer-statesman.*

#### **Kenneth Andrew Roe Award**

*The Kenneth Andrew Roe Award is presented on behalf of the engineering community to recognize an engineer who has been effective in promoting unity among the engineering societies.*

#### **Norm Augustine Award for Outstanding Achievement in Engineering Communications**

*This award is presented annually to an engineer who has demonstrated the capacity for communicating the excitement and wonder of engineering. The award is to be conferred on those rare individuals who can speak with passion about engineering – its promise as well as its responsibility – so that the public may have a better understanding of engineering and a better appreciation for how engineers improve our quality of life.*

#### **John Fritz Medal**

*The John Fritz Medal, referred to as the highest award in the engineering profession, is presented each year for scientific or industrial achievement in any field of pure or applied science. It was established in 1902 as a memorial to the great engineer whose name it bears.*

#### **AAES Engineering Journalism Award**

*The Engineering Journalism Award recognizes outstanding reporting of an event or issue that furthers public understanding of engineering.*

#### **Joan Hodges Queneau Palladium Medal**

*The Joan Hodges Queneau Medal recognizes an individual who encourages cooperation between engineering professionals and environmentalists to create innovative solutions to environmental problems.*

#### **AAES Chair's Award**

*The AAES Chair's Award is presented by the AAES Chair to recognize an individual who has made outstanding contributions to the welfare of our nation.*

### **Call for Nominations**

The **nomination deadline is December 31, 2009**, and the awards will be presented at the AAES Awards Banquet held at National Academy of Engineering in Washington, DC, on April 19, 2010 in conjunction with the 2010 NAE Convocation and AAES Board of Directors Meeting. Jon D. Nelson, P.E. is Chair of the AAES 2009 Awards Committee and 2009 AAES Immediate Past Chair.



## 2009 AAES AWARDS AWARD GUIDE AND PAST RECIPIENTS

31<sup>st</sup> Annual Awards Banquet  
& Ceremony  
April 19, 2010

*Note: The years shown reflect the date of the presentation ceremony.*

### **AAES Chair's Award**

*The AAES Chair's Award is presented by the AAES Chair to recognize an individual who has made outstanding contributions to the welfare of our nation.*

#### Past Recipients

1980	John D. Bulkeley	1995	John D. Rockefeller and Arati Prabhakar
1981	Robert A. Frosch	1996	Russell Susag
1982	George A. Keyworth II	1997	Daniel S. Goldin
1983	Stephen D. Bechtel, Jr.	1998	John H. Gibbons
1984	Donald E. Procknow	1999	Robert W. Lucky
1986	Betsey Ancker-Johnson	2000	W. Wayne Allen
1987	E. R. Heiberg III	2001	Sheila E. Widnall
1988	Joseph M. Juran and Lloyd M. Thorndyke	2002	Victoria A. Rockwell
1989	John H. Sununu	2003	Rep. Sherwood L. Boehlert (R-NY)
1990	Don Ritter	2004	Andrew Reynolds
1991	James D. Watkins	2005	Russel C. Jones
1992	David T. Kearns	2006	William C. Salmon
1993	George E. Brown	2007	William A. Wulf
1994	Joseph Bordogna	2008	F. Suzanne Jenniches
		2009	Kathryn A. Gray

## National Engineering Award

*The National Engineering Award is presented for inspirational leadership and tireless devotion to the improvement of engineering education and to the advancement of the engineering profession, as well as to the development of sound public policies as an engineer-statesman.*

### Past Recipients

1979	Neil A. Armstrong	1995	Walter E. Morrow, Jr.
1980	Harold Brown	1996	Daniel Tellep
1981	Donald Burnham	1997	Thomas B. Sheridan
1982	W. Kenneth Davis	1998	Stephen D. Bechtel Jr.
1983	George M. Low	1999	Winfred M. Phillips
1984	William H. Pickering	2000	Duncan T. Moore
1985	Martin Goland	2001	Edmund O. Schweitzer
1986	Erich Bloch	2002	G. Wayne Clough
1987	Robert N. Noyce	2003	Mary R. Anderson-Rowland
1988	Simon Ramo	2004	Daniel R. Benigni
1989	Kenneth A. Roe	2005	E. Walter LeFevre
1990	James C. Fletcher	2006	Harold E. Nelson
1991	Norman R. Augustine	2007	W. Gene Corley
1992	Bonnie J. Dunbar	2008	Donald B. Chaffin
1993	Ruben F. Mettler	2009	Arden L. Bement
1994	Roy F. Weston		

## **Kenneth Andrew Roe Award**

*The Kenneth Andrew Roe Award is presented on behalf of the engineering community to recognize an engineer who has been effective in promoting unity among the engineering societies.*

### Past Recipients

1986	Nicholas J. Radell	1998	David Belden and James Poirot
1987	James Y. Oldshue	1999	James E. Davis
1988	Robert M. White	2000	Theodore W. Hissey, Jr.
1989	John A. White	2001	Wm A. Wulf
1990	Richard W. Karn	2002	James E. (Tom) Sawyer
1992	William J. Carroll	2003	Stephen D. Bechtel, Jr.
1993	Eric Herz	2004	Lt. General Henry J. Hatch, Jr.
1994	Albert A. Grant	2005	Luther W. Graef
1995	Ernest L. Daman and Neil A. Norman	2006	Patrick J. Natale
1996	William C. Salmon and Lionel Baldwin	2007	Colin Drury
1997	Richard Emmert	2008	Priscilla P. Nelson
		2009	No Award

## **Norm Augustine Award for Outstanding Achievement in Engineering Communications**

*This award is presented annually to an engineer who has demonstrated the capacity for communicating the excitement and wonder of engineering. The award is to be conferred on those rare individuals who can speak with passion about engineering – its promise as well as its responsibility – so that the public may have a better understanding of engineering and a better appreciation for how engineers improve our quality of life.*

### Past Recipients

1999 Norman R. Augustine  
2000 Neil A. Armstrong  
2001 William J. Perry  
2002 Stephen J. Ressler & Eugene K. Ressler  
2003 N. Jan Davis  
2004 William Gene Corely, Ph.D  
2005 Bernard Amadei  
2006 Celeste Baine  
2007 Vernon Ehlers  
2008 Gerald E. Galloway  
2009 Henry Petroski

## John Fritz Medal

*The John Fritz Medal, referred to as the highest award in the engineering profession, is presented each year for scientific or industrial achievement in any field of pure or applied science. It was established in 1902 as a memorial to the great engineer whose name it bears.*

### Past Recipients

1902	John Fritz	1940	Clarence Floyd Hirshfeld (posthumous)
1903	No award	1941	Ralph Budd
1904	No award	1942	Everette Lee DeGolyer
1905	Lord Kelvin	1943	Willis Rodney Whitney
1906	George Westinghouse	1944	Charles F. Kettering
1907	Alexander Graham Bell	1945	John Lucian Savage
1908	Thomas Alva Edison	1946	Zay Jeffries
1909	Charles Talbot Porter	1947	Lewis Warrington Chubb
1910	Alfred Nobel	1948	Theodore Von Karman
1911	Sir William Henry White	1949	Charles M. Allen
1912	Robert Woolston Hunt	1950	Walter H. Aldridge
1913	No award	1951	Vannevar Bush
1914	John Edson Sweet	1952	Ervin George Bailey
1915	James Douglas	1953	Benjamin F. Fairless
1916	Elihu Thompson	1954	William Embry Wrather
1917	Henry Marion Howe	1955	Harry Alonzo Winne
1918	J. Waldo Smith	1956	Philip Sporn
1919	Gen. George W. Goethals	1957	Ben Moreell
1920	Orville Wright	1958	John R. Suman
1921	Sir Robert A. Hadfield	1959	Mervin J. Kelly
1922	Charles P. E. Schneider	1960	Gwilyn A. Price
1923	Guglielmo Marconi	1961	Stephen D. Bechtel
1924	Ambrose Swasey	1962	Crawford H. Greenewalt
1925	John Frank Stevens	1963	Hugh L. Dryden
1926	Edward Dean Adams	1964	Lucius D. Clay
1927	Elmer Ambrose Sperry	1965	Frederick R. Kappel
1928	John Joseph Carty	1966	Warren K. Lewis
1929	Herbert Clark Hoover	1967	Walker L. Cisler
1930	Ralph Modjeski	1968	Igor Ivan Sikorsky
1931	David Watson Taylor	1969	Michael L. Haider
1932	Michael Idvorsky Pupin	1970	Glenn B. Warren
1933	Daniel Cowan Jackling	1971	Patrick E. Haggerty
1934	John Ripley Freeman (posthumous)	1972	William Webster
1935	Frank Julian Sprague (posthumous)	1973	Lyman Wilber
1936	William Frederick Durand	1974	H. I. Romnes
1937	Arthur Newell Talbot	1975	Manson Benedict
1938	Paul Dyer Merica	1976	Thomas O. Paine
1939	Frank Baldwin Jewett		

1977 George R. Brown  
1978 Robert G. Heitz  
1979 Nathan M. Newark  
1980 T. Louis Austin, Jr.  
1981 Ian MacGregor  
1982 David Packard  
1983 Claude Elwood Shannon  
1984 Kenneth A. Roe  
1985 Daniel C. Drucker  
1986 Simon Ramo  
1987 Ralph Landau  
1988 Ralph B. Beck  
1989 Robert N. Noyce  
1990 Gordon A. Cain  
1991 Hunter Rouse  
1992 Serge Gratch  
1993 Gordon E. Moore  
1994 Hoyt C. Hottel  
1995 Lynn S. Beedle  
1996 George N. Hatsopoulos  
1997 Arthur E. Humphrey  
1998 Ivan A. Getting  
1999 George H. Heilmeier  
2000 John W. Fisher  
2001 Paul C. W. Chu  
2002 Daniel S. Goldin  
2003 Robert, S. Langer  
2004 John A. Swanson  
2005 George J. Tamaro  
2006 No Award  
2007 Gavriel Salvendy  
2008 Kristina M. Johnson  
2009 Yvonne Claeys Brill

## **AAES Engineering Journalism Award**

*The Engineering Journalism Award recognizes outstanding reporting of an event or issue that furthers public understanding of engineering.*

### Past Recipients

- 1999 William Allen
- 2000 Joel Achenbach, Washington Post
- 2001 Jonathan Knight, Knight-Ridder News Service
- 2002 Stuart Brown, FORTUNE Magazine
- 2003 Richard G. Weingardt
- 2004 No award
- 2005 Jon Palfreman
- 2006 Kenneth Mandel & Daniel Polin
- 2007 Aileen Cho
- 2008 Chicago Tribune team led by Blair Kamin
- 2009 Tom Keiter & Stephanie Ayanian

## Joan Hodges Queneau Palladium Medal

*Established by the National Audubon Society in 1977, the Joan Hodges Queneau Medal recognizes an individual who encourages cooperation between engineering professionals and environmentalists to create innovative solutions to environmental problems.*

### Past Recipients

1977 H. Beecher Charmbury  
1978 No Award  
1979 No Award  
1980 No Award  
1981 No Award  
1982 No Award  
1983 Dr. Roy W. Hann, Jr.  
1984 Dr. Barbara-Ann Gamboa Lewis  
1985 Dr. William A. Jester  
1986 Dr. Kenneth R. Daniel  
1987 Mr. Thomas K. MacVicar  
1988 Dr. Barney L. Capehart  
1989 Dr. James L. Baker  
1990 Dr. Joseph T. Ling  
1991 Mr. M. Kent Loftin  
1992 Dr. Hsieh Wen Shen  
1994 Luna Leopold  
1995 Dr. Robert Williams  
1996 Dr. Jared L. Cohon  
1997 No Award  
1998 No Award  
1999 No Award  
2000 No Award  
2001 No Award  
2002 William Carrol  
2003 James W. Poirot  
2004 Donald V. Roberts  
2005 George G. Wicks  
2006 No Award  
2007 No Award  
2008 Albert A. Grant  
2009 No Award

## **2009 AAES AWARDS Nomination Procedures**

The AAES Board of Directors and the AAES Engineering Society Members are welcomed and encouraged to submit nominations for the seven AAES awards presented annually. All nomination forms and supporting materials must be received by December 31 to be considered for presentation the following April. The seven awards are:

- National Engineering Award
- Kenneth Andrew Roe Award
- Norm Augustine Award for Outstanding Achievement in Engineering Communications
- Journalism Award
- Joan Hodges Queneau Palladium Medal
- John Fritz Medal
- AAES Chair's Award (Input as to this award is also welcome; however, the selection will be made by the AAES 2009 Chair, Dr. Ralph Wyndrum.)

### **How to Complete the Nomination Form**

To begin the nomination procedure, simply follow the AAES Award Guide to select the appropriate award that best suits your nominee. Eligibility information varies with each award. The nomination form is standard for all the awards. Simply mark the appropriate award and complete the required information.

All nominations must be submitted in over the signature of the Society's member of the AAES Board of Directors. Only the Kenneth Andrew Roe award recipient receives limited travel support. AAES does not provide travel support for other award recipients. All award recipients must attend the awards banquet in Washington DC.

A separate form must be completed for each nomination. If more than one candidate is nominated for the same award, sections 1-3 should be completed on a separate form for each individual and submitted with a one- to two-page summary of accomplishments that details each candidate's accomplishments.

The nomination forms must be typewritten in English.

In addition to the nomination form and a summary of accomplishments, at least two supporting letters must accompany the nomination, as well as the candidate's curriculum vitae. Though not required, you may also choose to submit the candidate's bibliographical listing.

The nominator is responsible for soliciting support letters and ensuring that the letters are submitted to AAES through the AAES Member Society by the submission deadline. Supporting letters may be addressed to the nominator or the AAES Nominating

Committee chair and forwarded to the AAES Awards Office. [Note: Nominations without supporting letters will not be considered]. Supporting letters may accompany the nomination form or may be sent separately; however, all components of the nomination package must be received by December 31.

Highly competitive nominations from the most recent two years also will be considered. AAES will notify the original nominator through the Member Society that the nomination will be eligible and encourage the submission of updated material.

### **How to Submit the Nomination Form**

Submit your nomination by:

1. Mail to:  
AAES Awards Office  
William Koffel and/or Connie Kyle  
6522 Meadowridge Road, Suite 101  
Elkridge, MD 21075
2. Fax: (202) 296-1151

The submission deadline for all nominations is December 31.

The AAES Awards process provides you with an excellent opportunity to expand the recognition of your members beyond your Society. Look at your organization's recent award winners and nominate them for one of the AAES Awards. There are many deserving individuals whose accomplishments go beyond their disciplines.

For more information on AAES Awards, contact Connie Kyle (202) 296-2237.



**2009 AAES AWARDS  
Nomination Form**

*(Form must be typewritten in English)*

**SUBMISSION DEADLINE: December 31, 2009**

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SELECT AN AWARD

- National Engineering Award     AAES Chair's Award  
 Kenneth Andrew Roe Award     Norm Augustine Award     John Fritz Medal  
 AAES Engineering Journalism Award     Joan Hodges Queneau Palladium Medal

PLEASE NOTE: Only the Kenneth Andrew Roe award provides funds to cover limited travel expenses. AAES does not provide travel support for other award recipients. AAES will provide the recipient and one guest complementary banquet tickets for the April 19, 2010 ceremony in Washington DC.

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**The following materials must accompany this Nomination Form:**

Note: If more than one individual is being nominated for the same award, questions 1-3 should be completed on a separate form for each individual and submitted with a one- to two- page summary of accomplishments.

- *The candidate's curriculum vitae for each nominee*
- *A one- to two-page summary of the candidate's accomplishments*
- *At least two letters of support*
- *Bibliography (optional)*

1. **CANDIDATE'S NAME** (include position, affiliation, complete mailing address, telephone/fax numbers, and email)

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2. **NAME OF NOMINATOR** (include title, AAES Member Society, mailing address, telephone/fax numbers, and email)

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3. **PROPOSED CITATION** (brief summary of candidate's specific, documented contributions)

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4. SUPPORTING LETTERS ARE BEING REQUESTED FROM THE FOLLOWING (at least 2 are required)

(1) \_\_\_\_\_ (2) \_\_\_\_\_

(3) \_\_\_\_\_ (4) \_\_\_\_\_

**Nominator Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

**Telephone** \_\_\_\_\_ ; **Email** \_\_\_\_\_

**AAES Member Society** \_\_\_\_\_ **AAES Board Member Signature** \_\_\_\_\_

**If named the 2009 award recipient, the nominee has agreed to attend the April 19, 2010 Awards ceremony in Washington DC** \_\_\_yes \_\_\_no \_\_\_undecided

Forward the completed nomination by **December 31, 2009** to:  
American Association of Engineering Societies (AAES) 6522 Meadowridge Road, Suite 101, Elkridge, MD 21075  
Fax: (202) 296-1151 Phone: (202) 296-2237