

COMPUTER SOCIETY AWARDS

The Computer Society awards program continues to honor technical achievements, education, innovation, and service to the computer profession and to the society. Please visit the society's awards homepage for more information about our awards program and to obtain nomination forms:

The awards program is reviewed continuously as possibilities of new awards are investigated, changes to existing ones are considered, and possible sponsors are sought. Suggestions from volunteers and members are welcomed and encouraged.

<http://awards.computer.org/ana>

IEEE computer society Awards Nomination Application

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Achievement Rewarded

The IEEE Computer Society recognizes outstanding work by its members who enhance the field through technical achievement and service to the computer profession and society.

ELIGIBILITY

Franchised (voting) members of the IEEE Computer Society Board of Governors are not eligible to nominate, endorse, or receive any IEEE Computer Society awards. Other IEEE service awards: The franchised (voting) members of the IEEE Computer Society Board of Governors are the society president, president-elect, past and acting vice presidents, the immediate past president, and the representative elected members of the board.

How to Nominate

Would you like to recognize a fellow member for their achievement? Nominating is a 6-stage process:

- 1) **Login using your IEEE Computer Society web account.**
- 2) **Select an Award from the Award List**
- 3) **Tell Us About the Honoree**
- 4) **Tell Us About Yourself**
- 5) **Invite Endorsers**
- 6) **Submit Your Nomination**

NOTE: You do NOT have to be an IEEE member to nominate. Anyone can nominate.

FEATURED AWARDS

Taylor L. Booth Education Award

A bronze medal and \$5,000 honorarium are awarded for an outstanding record in computer science and engineering education. The individual must meet two or more of the following criteria in the computer science and engineering field: 1. Achieving recognition as a teacher of renown, 2. Writing an influential text, 3. Leading, inspiring or providing significant education content during the creation of a curriculum in the field, 4. Inspiring others to a career in computer science and engineering education.

AWARDS HANDBOOK

1. Introduction

The IEEE Computer Society sponsors a robust program of awards designed to recognize both technical achievement and service to the society and the profession.

In the technical area, recognition may be given for pioneering and significant contributions to the field of computer science and engineering. Service awards may be given to both volunteers and staff for well-defined and highly valued contributions to the society. The Awards Committee must take care to preserve the integrity of the evaluation and selection process to assure that it is both open and rigorous, and that it contributes to the prestige of the society and the award recipients.

[View Full Awards Handbook \(PDF\) \(11/11\)](#)

Contact Us

Thomas M. Corle, 2009 Awards Committee Chair
Pamela Kenper, Awards Administrator
IEEE Computer Society
2001 L St., NW Suite 700

CONTACT:

Rich Belgard

2012 Awards Committee Chair

c/o IEEE Computer Society

2001 L St., NW Ste #700

Washington, DC 20036-4910

Phone: 1-202-371-0101

Fax: 1-202-728-9614

email: awards@computer.org

Computer Society Awards Program History

The evolution of the society's awards program dates back at least to 1954 with the formation of an ad hoc Awards Committee, reported in the September, 1954 issue of the *IRE Transactions in Electronic Computers*. Full committee status was provided in 1955 with the revised PGEC bylaws, approved by the IRE Executive Committee, 7 June 1955, and published in the September 1955 issue of the *Transactions*.

Early activities concentrated on interactions with IRE award programs and Fellows activities, with the latter eventually becoming a separate committee. The main awards activity and the program as we practice it today started with the initiation of the W. Wallace McDowell Award in the 1965-66 periods under the chairmanship of Ralph J. Preiss and J.C. Logue. Subsequently, in 1973 Joe Logue initiated the Honor Roll Award. The Eckert-Mauchly award, administered jointly with ACM, was the first presented in 1979, culminating the efforts of Oscar N. Garcia, Jack Lipovski, and their colleagues.

A significant restructuring occurred in 1978 under the leadership of Rex Rice, including formalizing the Special Award and the Certificate of Appreciation, and defining Outstanding Paper Awards for both publications and conferences. This awards format provided a much needed and major awards expansion, particularly in the recognition of service, consistent with the rapid growth of the society. The Pioneer Award and the Richard E. Merwin Award were added in 1981, and the Technical Achievement Award received final approval in early 1982.

Building on this structure, foundation, and experience, the program was further refined in 1982, primarily by redefining the Special and Honor Roll awards into three awards, the Distinguished Service Award, the Outstanding Contribution Award, and the Meritorious Service Award. In addition, some past Certificate of Appreciation awards categories were changed to Meritorious Service Awards. Provisions were also made to allow the dedication of Technical Achievement awards to mature technical areas within the computer field.

In related awards programs, a number of IEEE awards are applicable to Computer Society members, most particularly the Piore Award, which was initiated in 1977. The AFIPS Harry H. Goode Award was introduced in 1964. Upon the dissolution of AFIPS in 1990 the Computer Society agreed to assume responsibility for continuing the award.

The Sidney Fernbach Award was established in 1992 to recognize outstanding contributions to high performance computing applications.

In 1996 the Golden Core Recognition was introduced to commemorate the 50th Anniversary of the Computer Society. Four hundred and fifty Charter Members were designated that year. To date, almost 700 volunteers and staff have achieved Golden Core status.

In the late 1990's, several new awards were introduced:

- Tsutomu Kanai Award
- Seymour Cray Computer Engineering Award
- Continuing Service Award
- Distinguished Service in a Pre-College Environment
- Harlan D. Mills Award

The awards program focused on increasing its efficiency, visibility, viability under the leadership of Thomas Conte. Initiatives included combining selection subcommittees for related awards, establishing a uniform deadline for most sponsored awards, expanding the call for nominations, increasing publicity for awardees, creating awards web pages, and launching an annual major awards dinner and ceremony. Two awards were added: in 2009, the Ken Kennedy Award, cosponsored by ACM, and in 2011, the B. Ramakrishna Rau Award. The Kanai Award will be retired in 2012 at the request of Dr. Kanai and Hitachi, Ltd. who provided the award endowment.

Awards Program Leadership History

1955	E. G. Andrews		
1956	J. Presper Eckert, Jr.	1993	Ron Waxman
1958	R. O. Endres	1994	Guylaine M. Pollock
1960	Arnold A. Cohen	1995	Guylaine M. Pollock
1960	F. H. Heart	1996	Stephen S. Yau
1961	Walter L. Anderson	1997	Stephen S. Yau
1962	Keith W. Uncapher	1998	Ronald G. Hoelzeman
1964	J. L. Mitchell	1999	Ronald G. Hoelzeman
1965	Ralph J. Preiss	2000	Ming T. (Mike) Liu
1967	G. T. Jacobi	2001	Ming T. (Mike) Liu
1968	Walter L. Anderson	2002	Oscar N. Garcia
1970	D. R. Brown	2003	Oscar N. Garcia
1971	J. C. Logue	2004	Wolfgang K. Giloi
1974	M. Graham	2005	Ann Q. Gates
1976	Rex Rice	2006	Ann Q. Gates
1980	Merlin G. Smith	2007	Ann Q. Gates
1987	Ralph J. Preiss	2008	Gene F. Hoffnagle
1988	Ralph J. Preiss	2009	Thomas M. Conte
1989	Marshall Yovits	2010	Thomas M. Conte
1990	Joseph E. Urban	2011	Thomas M. Conte
1991	Ralph J. Preiss	2012	David A. Bader
1992	Ralph J. Preiss	2013	Rich Belgard

AWARDS RECIPIENTS HISTORY

Taylor L. Booth Award

A bronze medal and \$5,000 cash honorarium are awarded for an outstanding record in computer science and engineering education. The individual must meet two or more of the following criteria in the computer science and engineering field: achieving recognition as a teacher of renown; writing an influential text; leading, inspiring or providing significant educational content during the creation of a curriculum in the field; inspiring others to a career in computer science and engineering education. **Deadline for submission is: 15 October of each year.**

Taylor L. Booth Award Recipients

1988 James T. Cain	2001 James F. Kurose
1989 C.V. Ramamoorthy	2002 Abraham (Avi) Silbershatz
1990 <i>No Award Presented</i>	2003 Eugene H. Spafford
1991 Edward J. McCluskey	2004 Tadao Nakamura
1992 C. L. Liu	2005-6 <i>No award presented</i>
1993 Melvin A. Breuer	2007 Alan Clements
1994 David Gries	2008 Jack W. Davidson
1995 Harold Abelson	2008 James P. Cohoon
1996 Edward S. Davidson	2009 Michael T. Heath
1997 Sartaj K. Sahni	2011 Wen-Tsuen Chen
1998 Toshiyasu L. Kunii	2012 Eric Roberts
1999 Harold S. Stone	2013 Nell B. Dale
2000 Prithviraj Banerjee	

Computer Entrepreneur Award

A sterling silver chalice is awarded to managers and leaders that are responsible for the growth of some segment of the computer industry or technical managers whose entrepreneurial leadership built the computer industry. The efforts must have taken place over fifteen years earlier, and the industry effects must be generally and openly visible. **Deadline for submission is: 15 October of each year.**

Computer Entrepreneur Award Recipients

1985 Kenneth H. Olson	
William Norris	1998 Steve Wozniak
1986 Gordon Moore	1998 George Schussel
1986 Robert Noyce	1999 Clive Sinclair
1987 Erwin Tomash	2000 Michael Dell
1988 <i>No award presented</i>	2001-2002 <i>No award presented</i>
1989 Gene M. Amdahl	2004 Bjarne Stroustrup
1990 J. Presper Eckert	2005-7 <i>No award presented</i>
1991-1994 <i>No award presented</i>	2008 Edwin E. Catmull
1995 William Hewlett	2008 John E. Warnock
David Packard	2008 Charles M. Geschke
1996 Daniel S. Bricklin	2009 Sandy Lerner
1997 Andrew S. Grove	2009 Leonard Bosack
1998 Paul Allen	2011 Diane Greene
1998 Bill Gates	2011 Mendel Rosenblum
1998 Steve Jobs	

Computer Pioneer Award

A bronze medal is presented for significant contributions to concepts and developments in the electronic computer field which have clearly advanced the state of the art in computing. The contributions must have taken place fifteen or more years earlier. **Deadline for submission is: 15 October of each year.**

Computer Pioneer Award Charter Recipients

Howard H. Aiken	J. Presper Eckert	Herman Lukoff
Samuel N. Alexander	Jay W. Forrester	John W. Mauchly
Gene M. Amdahl	Herman H. Goldstine	Gordon E. Moore
John W. Backus	Richard W. Hamming	Allen Newell
Robert S. Barton	Jean A. Hoerni	Robert N. Noyce
C. Gordon Bell	Grace M. Hopper	Lawrence G. Roberts
Frederick P. Brooks, Jr.	Alston S. Householder	George R. Stibitz
Wesley A. Clark	David A. Huffman	Maurice V. Wilkes
Fernando J. Corbato	Kenneth E. Iverson	Shmuel Winograd
Seymour R. Cray	Tom Kilburn	Konrad Zuse
Edsgar W. Dijkstra	Donald E. Knuth	

Computer Pioneer Award Recipients

1981 Jeffrey Chuan Chu	1993 Erich Bloch
1982 Arthur Burks	1993 Jack S. Kilby
1983 <i>No award presented</i>	1993 Willis H. Ware
1984 John Vincent Atanasoff	1994 Gerrit A. Blaauw
1984 Jerrier A. Haddad	1994 Harlan Mills
1984 Nicholas C. Metropolis	1994 Dennis M. Ritchie
1984 Nathaniel Rochester	1994 Ken L. Thompson
1984 Willem L. van der Poel	1995 Gerald Estrin
1985 John G. Kemeny	1995 David C. Evans
1985 John McCarthy	1995 Butler W. Lampson
1985 Alan Perlis	1995 Marvin Minsky
1985 Ivan Sutherland	1995 Kenneth H. Olson
1985 David Wheeler	1996 Edgar Frank Codd
1985 Heinz Zemanek	1996 Richard F. Clippinger
1986 Cuthbert C. Hurd	1996 Robert E. Kahn
1986 Peter Naur	1997 Homer R. Oldfield
1986 James H. Pomerene	1997 Elizabeth (Betty) Holberton

Computer Pioneer Award Recipients

1986 Adriann van Wijngaarden	1997 Victor Mikhailovich Glushkov
1987 Robert E. Everett	1997 Jozef Gruska
1987 Reynold B. Johnson	1997 Jiri Horejs
1987 Arthur L. Samuel	1997 Lubomir Georgiev Iliev
1987 Nicklaus E. Wirth	1997 Laszlo Kalmar
1988 Freidrich L. Bauer	1997 Antoni Kilinski
1988 Marcian E. Hoff, Jr.	1997 Laszlo Kozma
1989 John Cocke	1997 Sergey Alekseevich Lebedev
1989 James A. Weidenhammer	1997 Alexei A. Lyapunov
1989 Ralph L. Palmer	1997 Romuald W. Marczynski
1989 Mina S. Rees	1997 Grigore C. Moisil
1989 Marshall C. Yovits	1997 Ivan Plander
1989 F. Joachim Weyl	1997 Arnols Reitsakas
1989 Gordon D. Goldstein	1997 Antonin Svoboda
1990 Werner Buchholz	1998 Irving John (Jack) Good
1990 C.A.R. Hoare	1999 Herbert Freeman
1991 Bob O. Evans	2002 Robert Bemer
1991 Robert W. Floyd	2003 Martin Richards
1991 Thomas E. Kurtz	2006 Hosaka Mamoru
1992 Stephen W. Dunwell	2006 Arnold M. Spielberg
2000 Harold W. Lawson	2007 <i>No award presented</i>
2000 Georgy Lopato	2008 Carl A. Petri
2000 Gennady Stolyarov	2008 Edward J. McCluskey
2001 Vernon Shatz	2008 Jean J. Bartik
2001 William Bridges	2009 Lynn Conway
2002 Per Brinch Hansen	2009 Jean E. Sammet
2004 Frances E. (Fran) Allen	2011 David Kuck
2005 <i>No award presented</i>	2012 Cleve Moler
1992 Harold Huskey	2013 Steve Furber
1997 Angel Angelov	2013 Edward Feigenbaum
1997 Norbert Fristacky	

Computer Science & Engineering Undergraduate Teaching Award

A plaque and \$2,000 cash honorarium are awarded to one individual per year. This award was established to recognize outstanding contributions to undergraduate education through both teaching and service. It will focus our interest on undergraduate education, as well as affirm our support for excellence in undergraduate education. **Deadline for submission is: 15 October of each year.**

Computer Science & Engineering Undergraduate Teaching Award Recipients

1999 Joseph L. Zachary	2004-6 <i>No award presented</i>
2000 Timothy J. Long	2007 Darrin M. Hanna
2000 Bruce W. Wiede	2008 Elizabeth L. Burd
2001 David G. Meyer	2009 Judy Robertson
2001 Steven S. Skiena	2011 Benjamin Hescott
2002 Alan Clements	2012 Mark Guzdial
2003 Sally Fincher	2013 Robert J. Fornaro

Eckert-Mauchly Award

A certificate and \$5,000 cash honorarium are awarded jointly by the Computer Society and the Association for Computing Machinery for outstanding contributions to the field of computer and digital systems architecture.

Eckert-Mauchly Award Recipients

1979 Robert S. Barton	1997 Robert Tomasulo
1980 Maurice V. Wilkes	1998 Tadashi Watanabe
1981 Wesley A. Clark	1999 James E. Smith
1982 C. Gordon Bell	2000 Edward S. Davidson
1983 Tom Kilburn	2001 John Hennessy
1984 Jack B. Dennis	2002 B. Ramakrishna (Bob) Rau
1985 John Cocke	2003 Josh Fisher
1986 Harvey G. Cragon	2004 Frederick P. Brooks, Jr.
1987 Gene M. Amdahl	2005 Robert P. Colwell
1988 Daniel P. Siewiorek	2006 James H. Pomerene
1989 Seymour Cray	2007 Mateo Valero
1990 Kenneth E. Batcher	2008 David Patterson
1991 Burton J. Smith	2009 Joel S. Emer

1992 Michael J. Flynn
1993 David Kuck
1994 James E. Thornton
1995 John H. Crawford
1996 Yale N. Patt

2010 Bill Dally
2011 Gurindar (Guri) S. Sohi
2012 Algirdas Avizienis
2013 Jame R. Goodman

Ken Kennedy Award

A certificate and \$5,000 honorarium are awarded jointly by the ACM and the IEEE Computer Society for outstanding contributions to programmability or productivity in high-performance computing together with significant community service or mentoring contributions. **Deadline for submission is: 1 July of each year.**

Ken Kennedy Award Recipients

2009 Francine Berman
2010 David Kuck
2011 Susan L. Graham
2012 Mary Lou Soffa

Seymour Cray Computer Engineering Award

A crystal memento and \$10,000 cash honorarium are awarded for innovative contributions to high performance computing systems that best exemplify the creative spirit demonstrated by Seymour Cray. This award was established and funded from an endowment provided by Silicon Graphics, Inc., in honor of Seymour Cray. **Deadline for submission is: 1 July of each year.**

Seymour Cray Award Recipients

1999 John Cocke
2000 Glen J. Culler
2001 John L. Hennessy
2002 Monty M. Denneau
2003 Burton J. Smith
2004 William J. Dally
2005 Steven L. Scott
2006 Tadashi Watanabe
2007 Kenneth E. Batcher
2008 Steven J. Wallach
2009 Kenichi Mimura
2010 Alan Gara
2011 Charles L. Seitz
2012 Peter M. Kogge

Sidney Fernbach Award

A certificate and \$2,000 cash honorarium are awarded for outstanding contributions in the application of high performance computers using innovative approaches. This award was established in 1992 in memory of Sidney Fernbach, one of the pioneers in the development and applications of high performance computers for the solution of large computational problems. **Deadline for submission is: 1 July of each year.**

Sidney Fernbach Award Recipients

1993 David H. Bailey	2004 Marsha Berger
1994 Charles Peskin	2005 John B. Bell
1995 Paul R. Woodward	2006 Edward Seidel
1996 Gary A. Glatzmaier	2007 David E. Keyes
1997 Charbel Farhat	2008 William D. Gropp
1998 Phillip Colella	2009 Roberto Car
1999 Michael L. Norman	2009 Michele Parrinello
2000 Stephen W. Attaway	2010 James W. Demmel
2001 <i>No award presented</i>	2011 Cleve Moler
2002 Robert J. Harrison	2012 Laxmikant V. Kale
2003 Jack J. Dongarra	2012 Klaus Schulten

B. Ramakrishna Rau Award

A certificate and a \$2,000 honorarium are awarded in recognition of substantial contributions in the field of computer microarchitecture and compiler code generation. This award was established in memory of B. Ramakrishna Rau in recognition of his distinguished career in promoting and expanding the use of innovative computer microarchitecture techniques, including his innovation in compiler technology, his leadership in academic and industrial computer architecture, and his extremely high personal and ethical standards. **Deadline for submission is: 1 July of each year.**

B. Ramakrishna Rau Award Recipients

2011 Yale N. Patt	2012 Joseph A. (Josh) Fisher
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Harry H. Goode Memorial Award

A bronze medal and \$2,000 cash honorarium are awarded on the basis of achievements in the information processing field which are considered either a single contribution of theory, design, or technique of outstanding significance, or the accumulation of important contributions on theory or practice over an extended time period, the total of which represent an outstanding contribution.

Deadline for submission is: 15 October of each year.

Harry H. Goode Memorial Award Recipients

1964 Howard H. Aiken	1987-1988 <i>No award presented</i>
1965 George R. Stibitz	1989 Frederick P. Brooks, Jr.
1965 Konrad Zuse	1990-1991 <i>No award presented</i>
1966 J. Presper Eckert	1992 Edward S. Davidson
1966 John W. Mauchly	1993 <i>No award presented</i>
1967 Samuel N. Alexander	1994 Azriel Rosenfeld
1968 Maurice V. Wilkes	1995 Michael J. Flynn
1969 Alston Scott Householder	1996 Leonard Kleinrock
1970 Grace M. Hopper	1997 James E. Thornton
1971 Allen Newell	1998 Vishwani Agrawal
1972 Seymour R. Cray	1999 Ahmed H. Sameh
1973 <i>No award presented</i>	2000 John Illiffe
1974 Edsgar W. Dijkstra	2001 Oscar H. Ibarra
1975 Kenneth E. Iverson	2002 Ian F. Akiyildiz
1976 Lawrence G. Roberts	2003 Peter P. Chen
1977 Jay W. Forrester	2004 Edmund M. Clarke, Jr.
1978 Gordon E. Moore	2005 John E. Hopcroft
1978 Robert N. Noyce	2006 Alan J. Smith
1979 Herman H. Goldstine	2007 Guy L. Steele
1980 Fernando J. Corbato	2008 Dharma P. Agrawal
1981 C.A.R. Hoare	2009 <i>No award presented</i>
1982 King-sun Fu	2010 Mateo Valero
1983 Gene M. Amdahl	2011 Moshe Y. Vardi
1984 Ralph E. Gomory	2012 Arvind
1985 Carver A. Mead	2013 Yale Patt
1986 Robert E. Kahn	

Tsutomu Kanai Award

The Tsutomu Kanai Award was established in 1997 by a generous endowment from Hitachi Ltd., and named in honor of Dr. Tsutomu Kanai who served as Hitachi's president for 30 years. The Kanai Award recognized major contributions to the state-of-the-art distributed computing systems and their applications. The award consisted of a crystal model, certificate, and \$10,000 honorarium. The Kanai Award was discontinued after the 2012 award.

Tsutomu Kanai Award Recipients

1999 Kenneth L. Thompson	2006 Larry Smarr
2000 C. V. Ramamoorthy	2007 Willy Zwaenepoel
2001 Alfred Z. Spector	2008 Benjamin W. Wah
2002 Stephen S. Yau	2009 Kenneth P. Birman
2003 James Gosling	2011 Ian T. Foster
2004 Kane Kim	2012 Beng Chin Ooi
2005 Elisa Bertino	

Hans Karlsson Award

A plaque and \$2,000 cash honorarium are awarded in recognition of outstanding skills and dedication to diplomacy, team facilitation and joint achievement, in the development or promotion of standards in the computer industry where individual aspirations or corporate and organizational rivalry could otherwise be counter to the benefit of society. This award was established in 1992 in memory of Hans Karlsson, chairman and father of the IEEE 1301 family of standards. Nominations are solicited from the Computer Society standards community. **Deadline for submission is: 15 October of each year.**

Hans Karlsson Award Recipients

1994 James D. Isaak	2005 Yervant Zorian
1995 Roger L. Martin	2006 John L. (Jack) Cole
1996 Leonard L. Tripp	2007 Katherine L. Morse
1997-2000 <i>No award presented</i>	2008 <i>No award presented</i>
2001 Victor Hayes	2009 James W. Moore
2002 Wayne Hodgins	2011 Arthur W. Astrin
2003 <i>No award presented</i>	2012 Paul R. Croll
2004 David B. Gustavson	2013 Brian G. Kiernan

Harlan D. Mills Award

The Harlan D. Mills Award was established in late 1999 to recognize researchers and practitioners who have demonstrated long-standing, sustained, and meaningful contributions to the theory and practice of the information sciences, focusing on contributions to the practice of software engineering through the application of sound theory. A \$3,000 cash honorarium, plaque, and invited talk with associated expenses during the annual International Conference on Software Engineering. **Deadline for submission is: 15 October of each year.**

Harlan D. Mills Award Recipients

1999 David Parnas	2006 John C. Knight
2000 Barry Boehm	2007 Bev Littlewood
2001 Meir (Manny) Lehman	2008 <i>No award presented</i>
2002 Jesse M. Poore	2009 Bertrand Meyer
2003 Victor Basili	2011 John Rushby
2004 Elaine Weyuker	2012 Lionel Claude Briand
2005 <i>No award presented</i>	

IEEE Computer Society / Software Engineering Institute Watts S. Humphrey Software Process Achievement Award

A plaque and \$1,500 cash honorarium are awarded to a team of software professionals who are responsible for an improvement to their organization's software process. To be considered for this award, the improvement must be sustained, measured and significant. **Deadline for submission is: 15 October of each year.**

Software Process Achievement Award Recipients

1994	Goddard Space Flight Center: <i>Software Engineering Laboratory</i>
1995	Raytheon Company: <i>Software Engineering Process Group, Equip. Div.</i>
1997	Hughes Electronics: <i>Software Process Improvement Team</i>
1998	Advanced Information Services, Inc: <i>Development Group</i>
1999	Oklahoma City Air Logistics Center: <i>Aircraft Management Test Software & Industrial Automation Branches</i>
2002	Wipro: <i>Software Process Engineering Group</i>
2004	IBM Global Services, Australia: <i>Application Management Group</i>
2006	Productora de Software S.A (PSL)
2009	Infosys Technologies Limited, Bangalore, India

Technical Achievement Award

A certificate and \$2,000 honorarium are awarded for outstanding and innovative contributions to the fields of computer and information science and engineering or computer technology, usually within the past ten years and not more than fifteen years. **Deadline for submission is: 15 October of each year.**

Technical Achievement Award Recipients

1985 Algirdas A. Aviziennis	2005 Amar Mukherjee
1985 Edward J. McCluskey	2005 Vipin Kumar
1986 <i>No award presented</i>	2005 Daniel E. Cooke
1987 S. Iwasaki	2005 Nageswara Rao
1987 Robert M. Metcalfe	2006 Hsinchun Chen
1988 David R. Boggs	2006 Shashi Shekhar
1989-1990 <i>No award presented</i>	2006 Michael T. Goodrich
1991 Tse-yun Feng	2006 Roberto Tamassia
1992-1994 <i>No award presented</i>	2007 No awards presented
1995 David A. Patterson	2008 Rama Chellappa
1996 J.K. Aggarwal	2008 Kishor S. Trivedi
1996 Sunil R. Das	2008 Ophir Frieder
1997 Jeffrey P. Tsai	2009 Elena Ferrari
1997 Bhavani Thuraisingham	2009 Timothy W. Finin
1998 Nikolaos Bourbakis	2009 John S. Bay
1998 Tadao Ichikawa	2009 Sajal K. Das
1998 S. Sitharama Iyengar	2010 Eunice E. Santos
1998 Kane Kim	2010 Venu Gonvidaraju
1998 Benjamin W. Wah	2010 Ashok N. Srivastava
1999 Wen-Tseun Chen	2010 Hong-Jiang Zhang
1999 Lalit M. Patnaik	2010 Tyrone Grandison
2000 Arif Ghafoor	2011 Jose Garcia-Luna-Aceves
2000 Rudolph M. Bolle	2011 Frederica Darema
2001 <i>No award presented</i>	2011 Liang-Jie Zhang
2002 Elisa Bertino	2011 Ronald Fagin
2002 Ram Chillarege	2011 Johannes Gehrke
2003 Carlo H. Sequin	2012 Xindong Wu
2003 Wesley Chu	2012 Mei-Ling Shyu
2003 Hermann Kopetz	2012 Klara Nahrstedt
2003 Mukesh Singhal	2012 Ling Liu
2003 Anil Jain	2012 Michael Franz
2004 Ravi Sandhu	2013 Philip S. Yu

2004 Shashi Phoha
2004 Jiawei Han
2004 Sumit Ghosh
2005 David A. Forsyth
2005 Eugene H. Spafford

2013 Eva Tardos
2013 Kian-Lee Tan
2013 Virgil D. Gligor
2013 Jan Camenisch

W. Wallace McDowell Award

A bronze medal and \$2,000 cash honorarium are awarded to individuals whose professional work has been outstanding in concepts, technology, programming, education, or management in the computer field. **Deadline for submission is: 15 October of each year.**

W. Wallace McDowell Award Recipients

1966 Fernando J. Corbato	1989 Edward B. Eichelberger
1967 John W. Backus	Thomas W. Williams
1968 Seymour R. Cray	1990 Lawrence G. Roberts
1969 Herman Lukoff	1994 Federico Faggin
1970 Frederick P. Brooks, Jr.	1995 Kenneth W. Kennedy
1971 Tom Kilburn	1996 Timothy Berners-Lee
1972 Jean A. Hoerni	1997 Marc Andreessen/Eric J. Bina
1973 David A. Huffman	1998 Tilak Agerwala
1974 Shmuel Winograd	1999 Yale N. Patt
1975 C. Gordon Bell	2000 Raymond Ozzie
1976 Gene M. Amdahl	2001 Pradeep K. Khosla
1977 Robert S. Barton	2002 Jaishankar Menon
1978 Gordon E. Moore	2003 Sartaj K. Sahni
1979 Grace M. Hopper	2004 Simon S. Lam
1980 Donald E. Knuth	2005 Krishnan K. Sabnani
1981 Maurice V. Wilkes	2006 Benjamin W. Wah
1982 Rex Rice	2007 Anil K. Jain
1983 Daniel L. Slotnick	2008 Krishna V. Palem
1984 Thomas M. McWilliams	2009 Jiewei Han
1984 Lawrence C. Widdoes, Jr.	2011 Ian F. Akyildiz
1985 William D. Strecker	2012 Ronald Fagin
1987 Sidney Fernbach	2013 Maurice Herlihy
1988 John W. Poduska, Sr.	

SERVICE AWARDS RECIPIENTS HISTORY

Certificate of Appreciation

A certificate is awarded for creditable service to any Computer Society activity or program. For a list of Certificate of Appreciation recipients, please check the Computer Society awards page: <http://www.computer.org/portal/web/awards/coas>.

Conference Contribution Award

A plaque is awarded for outstanding research contributions (papers, keynote speeches and/or tutorials) to a society sponsored or co-sponsored conference. Service must have been performed for at least ten years. The award was discontinued in 2011.

Continuous Service Award

Awarded for ongoing credible service to any society activity or program, comparable to multiple Certificates of Appreciation signed at the presidential level. The initial certificate may be awarded after three years of continuous service. Service may be within a single role over multiple years, or reflect changes of roles within the society. For a list of Continuing Service recipients, please check the Computer Society awards page: <http://www.computer.org/portal/web/awards/continuing>

Distinguished Service Certificate

A certificate is awarded for long and distinguished service to the Computer Society at a level of dedication and achievement rarely demonstrated. For a list of Distinguished Service recipients, please check the Computer Society awards page: <http://www.computer.org/portal/web/awards/distinguished>

Distinguished Contributions to Public Service in a Pre-College Environment

A plaque is awarded to individuals whose contributions help to further the professional and technical goals of the IEEE Computer Society in a pre-college environment. **Deadline for submission is: 15 October of each year.**

Distinguished Contributions to Public Service Award Recipients

1998 Sally Goldberg	2004 <i>No award presented</i>
1999 Martha Davies	2005 Angelica Lim
2000-2002 <i>No award presented</i>	2006 Jennifer Fernquist
2003 Robert Reilly	2011 Thomas Barrett

Golden Core Recognition

A plaque and pin are awarded for long-standing member or staff service to the society. Golden Core membership was established in 1996 with 450 Charter Members selected for recognition. Each year the Awards Committee will select approximately 50 qualified recipients and permanently include their names in the Golden Core Member master list

Harry Hayman Distinguished Service Award

A plaque and \$5,000 honorarium are awarded for long and distinguished service of an exemplary nature in the performance of duties over and above those called for as a regular employee of the society. This is the highest service award given to an active member of the Computer Society staff. **Nominations are accepted throughout the year.**

Harry Hayman Distinguished Service Award Recipients

1987 H. True Seaborn	2000-2001 <i>No award presented</i>
1988-89 <i>No award presented</i>	2002 Anne Marie Kelly
1990 T. Michael Elliott	2003 <i>No award presented</i>
1991-1992 <i>No award presented</i>	2004 Stacy A. Saul
1993 Marilyn Potes	2004 Angela R. Burgess
1994-1998 <i>No award presented</i>	2004-7 <i>No award presented</i>
1999 Violet S. Doan	2008 Lynne Harris
1999 Anne Marie Kelly	2012-Georgann Carter

Meritorious Service Certificate

A certificate is awarded for meritorious and significant service to any Society-sponsored activity. Qualification is enhanced by the level and number of contributions, excellence, dedication and tenure of service. For a list of Meritorious Service Certificate recipients, please check the Computer Society awards page: <http://www.computer.org/portal/web/awards/meritorious>.

Richard E. Merwin Award for Distinguished Service

A bronze medal and \$5,000 cash honorarium are awarded for outstanding volunteer service to the profession at large, including significant service to Computer Society or its predecessor organizations. This is the highest level service award of the Computer Society. **Deadline for submission is: 15 October of each year.**

Richard E. Merwin Distinguished Service Award

1981 Stephen S. Yau	1996 Ming T. (Mike) Liu
1982 Sidney Fernbach	1997 Duncan H. Lawrie
1983 Merlin G. G	1998 Edward A. Parrish
1984 Rex Rice	1999 James H. Aylor
1985 Tse-yun Feng	2000 Gerald L. Engel
1986 Theodore H. Bonn	2001 Ronald G. Hoelzeman
1987 Oscar N. Garcia	2002 Bruce D. Shriver
1988 <i>No award presented</i>	2003 Doris L. Carver
1989 Stanley Winkler	2004 Murali R. Varanasi
1990 Martha Sloan	2005 Murali R. Varanasi
1991 <i>No award presented</i>	2005 Mario R. Barbacci
1992 Roy L. Russo	2006 Benjamin W. Wah
1993 C.V. Ramamoorthy	2007-8 <i>No award presented</i>
1994 Helen M. Wood	2009 Willis K. King
1995 James T. Cain	2011-11 <i>No award presented</i>
	2012 Carl K. Chang

Outstanding Chapters Award

The Outstanding Chapters Award is presented to CS chapters and student branch chapters for providing their membership with the best overall set of programs and activities. The award consists of a certificate and a completely paid Distinguished Visitor Program grant. **Deadline for submission is: 31 October of each year.**

Outstanding Chapters Award Recipients

- 1995 IEEE Southeastern Michigan Section, Computer Society Chapter
- 1998 Thadomal Shahani Engineering College Student Branch Chapter, Bombay, India
- 1998 Hong Kong Computer Society Chapter, Hong Kong China
- 2002 University of Louisiana at Lafayette Student Branch Chapter
- 2002 Southern Alberta Chapter, Alberta Canada
- 2003 University of South Florida Student Branch Chapter (co-winner)
- 2003 Thadomal Shahani Engineering College Student Branch Chapter, Mumbai, India
- 2006 Thadomal Shahani Engineering College Student Branch Chapter, Mumbai, India
- 2008 Connecticut Chapter, Connecticut, USA
- University of Louisiana at Lafayette Student Branch Chapter, Lafayette, LA
- 2010 Thadomal Shahani Engineering College Student Branch Chapter, Mumbai, India.

Outstanding Contribution Certificate

A certificate is awarded for an achievement of major value and significance to the Computer Society. The achievement should be a specific, concisely characterized accomplishment, as opposed to a collection of different roles. For a list of Outstanding Contribution Certificate recipients, please check the Computer Society awards page: <http://www.computer.org/portal/web/awards/outstanding>.

IEEE COMPUTER SOCIETY STUDENT SCHOLARSHIPS, AWARDS & COMPETITIONS

The following scholarships and awards are just three of the academic opportunities the IEEE Computer Society offers to its student members. To find out more about how the society can help student members achieve their goals, please visit the Student Scholarships and Awards homepage at: <http://www.computer.org/students/schlrshp.htm>

Lance Stafford Larson Outstanding Student Scholarship

Established in 1983 by Robert E. Larson, past president of the IEEE, in memorial for his son, who died in an accident while an undergraduate at the University of Maryland. A contest for the best student papers concerning computer related subjects. The recipient receives \$500, a certificate, and writing implement. The Larson family created this award to encourage students to develop excellence in their communications skills and to motivate students toward achievement in the field of Computer Science. **Deadline for submission is: 31 October of each year.**

Lance Stafford Larson Outstanding Student Scholarships

1985 William Davenport	2003 Bhavin Jayprakash Shastri
1990 Wu-chun Feng	2003 Haitham M. Kaddoura
1995 Vikas Sethi	2003 V.V. Balaji Viswanath
1996 Jonathan Becker	2004 Akin Gunay (<i>First Place</i>)
1997 Showbhik Kalra	2004 Haitham M. Kaddoura (<i>Second Place</i>)
1998 Daniel Keefe	2004 Ranai Azhar Malik (<i>Third Place</i>)
1998 Guido Pennella	2005 Johnathan Villanueva Tavira
1999 Gaurav Tewari	2006 Raihan Masud
2000 Sung-Won Chung	2009 Spencer Prost
2000 Kevin James O'Mara, Jr.	2009 Raihan Masud
2001 Benjamin I.P. Rubinstein	2010 Diego Marmsoler
2002 Kalyana Sundaram	2010 Forrest Iandola
	2012 Pawel Frankowski

Richard E. Merwin Student Scholarship

IEEE Computer Society is offering \$40,000 in student scholarships from \$1,000 and up to recognize and reward active student volunteer leaders in student branches or chapters who show promise in their academic and professional efforts.

This scholarship was created in honor of the late Richard E. Merwin, past president of the IEEE Computer Society, to recognize and reward student leadership. The selected winners of this award will have the opportunity to serve as IEEE Computer Society Student Ambassadors for the particular IEEE region to which they belong. Duties as Student Ambassadors will include collecting and disseminating information to student branches or chapters in their region and serving as a liaison between the IEEE Computer Society Member and Geographic Activities Board (MGAB) and student members in their region. Over a dozen scholarships of \$1,000 and up are available, for one academic year (approximately 9 months). **The deadline for application submissions: 30 September 2011**

Who is Eligible?

Graduate students, and those in the final two years of an undergraduate program in electrical or computer engineering, computer science, or a well-defined computer related field of engineering who are active members of a student branch or chapter are eligible. IEEE Computer Society membership is required.

Applicants are required to have a minimum grade point average of 2.5 over 4.0, and be a full-time student as defined by his or her academic institution during the course of the award. Student winners of the Computer Society's Richard Merwin or UPE/CS award for the previous year (13 months) are not eligible.

Criteria?

Evaluation criteria include involvement in chapter or branch activities (counts 40%), academic achievement (counts 30%), other extracurricular activities in college (counts 10%), and letter of evaluation by branch or chapter advisor (counts 20%). A brief statement will be submitted by each winner at the end of the academic year outlining his or her accomplishments.

Richard E. Merwin Student Scholarships

1982 Kevin M. Passino	2006 Sushil Ratan Chandiramani
1982 Guylaine M. Pollock	2006 Poulomi Ashok Doshi
1982 Robert W. O'Dell	2006 Mahalingam Venkataraman
1982 Ipieng P. Kao	2007 Koustav Bhattachara
1986-87 Evelyn Rodrigues	2007 farhad Mahmud Khan
1986-87 Paula Tidyman	2007 Jonathan Villanueva Tavira
1987-88 Lisa Nebel	2007 Amit Sohan Jain
1987-88 N. Ranganathan	2009 Ravender Lal
1988-89 Ricardo Veiga	2009 Mohit Sundeep Malhan
1988-89 Robert Bratulic	2009 Soumyaroop Roy
1989-90 Carol Fan	2010 Kumar S. Chaitanya
1989-90 Scott Fawcett	2010 Peeral Mickey Malani
1989-90 Kathy Hill	2010 Aditya Purushotam Sharangdhar
1990-91 Yaska Sankar	2010 Om Perakash
1990-91 Sylvain Gingras	2010 Ajay Bandi
1990-91 Wu-Chi Feng	2010 Himanshu Thapliyal
1990-91 Eduardo Olquin-Macaya	2010 Ihsan Mert Ozcelik
1991-92 Sundar Viswanathan	2011 Ravi Santosh Arvapally
1991-92 Eileen Marth-Diaz	2011 Deepak Bhagchandani
1991-92 Maharaj Mukherjee	2011 Iva Bojic
1991-92 Patrick Yuen	2011 Cesar Augusto Forero Gonzalez
1992-93 William Seto	2011 Deepthi Anna George
1992-93 Rajive Joshi	2011 Nithin George
1993-94 Claudia Chandra	2011 Niloy Gupta
1993-94 Sung-Bae Cho	2011 Sagar Mohan Guwalani
1993-94 Ray McClain	2011 Saurabh Kotiyal
1994-95 Jose C. Castillo	2011 Emir Salih Magden
1994-95 Iantha L. Erickson	2011 Ankit Moorjani
1994-95 Raed Hawat	2011 Abdulhak Nagy
1994-95 Dhaval N. Shah	2011 Puey Wei Tan
1995-96 Narayanan Vijaykrishnan	2011 Yifei Wang
1995-96 Vereen Rattigan	2012 Josip Balen
1996-97 Robert Carnright	2012 David Miguel dos Santos Dia
1996-97 Chuck Fraleigh	2012 C.V. Farish
1996-97 Alan Hay	2012 Sneh Khathuria

1996-97 Lisa D. Whitcomb	2012 Davor Karlovic
1997-98 Rajarathnam Chandramouli	2012 Teng Long
1997-98 Gim Soon Wan	2012 Shawn Nainan Mathew
1998-99 Richard J. Higgins	2012 Akshay Menon
1998-99 Ly Danielle Sauer	2012 Zachary John Miller
1998-99 Darmalingum Muthiayen	2012 Ajay Mohan
1999 Walter Aldana	2012 Michael Nachtigal
1999 Steven Smith	2012 Ramesh N. Nair
1999 Ashok Murugavel	2012 Visakh Krishnan Nair
1999 Rajkumar Buyya	2012 Debdoot Sheet
2000 Maria-Magdalena Wesolkowska	2012 Yi Song
2000 Zubin J. Dahal	2012 Cathy Wu
2000 Timothy Joseph Heeg	2013 Pavin Prasad Abraham
2000 Cenk Atlig	2013 Deepak Garg
2001 Chandramouli Gopalakrishnan	2013 Gunturu Mahati
2001 Thomas Guy Litwin	2013 William Rawlins Martin
2001 Damian McLoughlin	2013 Ananthatejas Raghava
2001 Slawomir B. Wesolkowski	2013 Rahul Raveendranath
2002 Mohamed A. Elgamel	2013 Goce Ristanoski
2003 Zohreh Azimifar	2013 Damir Senic
2003 Viswanath Sairaman	2013 Madhuri Shanbhogue
2003 Clara Shih	2013 Karthik Siddavaram
2005 Cheryl-Annette Kincaid	2013 Carlos Andres Lozano
2005 Santosh Kumar	2013 Yao Xiu Hu
2005 Diego Fernando Nieto Moreno	2013 Fabian Camilo Peña Lozano
2005 Kenneth Smith, Jr.	
2005 Jonathan Villanueva Tavira	
2005 Mohit Thatte	

Upsilon Pi Epsilon Student Award

The Upsilon Pi Epsilon (UPE)/Computer Society award was created to encourage academic excellence for students in the computing discipline and raise the importance of academic achievement for future computer professionals. Up to four awards of \$500 are given yearly, along with a certificate of commendation and the choice of one Computer Society magazine subscription for one year. **Deadline for submission is 31 October of each year.**

UPE/Student Award Recipients

1995 Hossam A. H. Fahmy	2002 Min Chen
1995 Jeffrey Gray	2002 Shivaani Gupta
1995 Alan Hay	2002 Federico Moro
1995 Niket P. Vakharia	2003 Rania Azhar Malik
1996 Tariq Jamil	2003 V.V. Balaji Viswanath
1996 Cary Penniman	2004 Neha Jain
1997 Richard Higgins	2005 Arun Kejariwal
1997 Narayanan Vijaykrishnan	2005 Arjun Pai
1998 Wael Badawy	2005 Mohsen Shaaban
1998 Petrus Abri Santoso	2006 Juan Gomez
1999 Sherwin Chan	2006 Raihan Masud
1999 Elaine Cheong	2007 Seiji Isotani
1999 Massimo Franceschetti	2007 Andreas Koltès
1999 Gaurav Tewari	2007 Sagar Nagda
2000 Peng Lu	2007 Jose Lisandro Abadia Sarria
2000 Slawomir B. Wesolkowski	2009 Artem Glebov
2000 Michael Lee Crogan	2010 Ajay Bandi
2001 Vladimir Tosic	2010 Himanshu Thapliyal
2001 William R. Zink	2012 Ajay Porwal
2001 Saverio Perugini, JR.	2012 Ajay Bandi
2001 Mohammed N. Al-Khasawneh	2012 Diego Susanj
2002 C. Chandramouli	2012 Chun-Kit "Ben" Ngan

IEEE Computer Society International Design Competition (CSIDC)

The IEEE Computer Society Design Competition was designed to provide a substantive design experience for undergraduate students in computer design and computer engineering fields. Teams developed computer-based solutions to real-world problems. *This award was discontinued in 2006.*

CSIDC First Place Winners

2000	McMaster University (Canada)	Total Heart Care Unit
2001	Poznan University of Technology (Poland)	BlueEyes Conscious Brain Involvement Monitor
2002	Politehnica" University of Bucharest (Romania)	BE Secure: Building Surveillance Equipment
2003	National Taiwan University (Taiwan)	NEWS - Novel Educative Wireless Style
2004	Poznan University of Technology (Poland)	Lifetch
2005	North Carolina State University (USA)	NEAT: Networks for Endangered Animal Tracking
2006	North Carolina State University (USA)	SunRay

IEEE Computer Society History Competition (CHC)

In 2006 the IEEE Computer Society created a special competition for its 60th Anniversary Celebrations, which was continued in 2007. The competition requires a team of four undergraduates to construct a website *in English* that covers a topic in the history of computing. *This award was discontinued in 2006.*

CHC First Place Winners

2006	Russian State Technological Institute, Moscow
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