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National Science Foundation
WHERE DISCOVERIES BEGIN



Fact Sheet

NSF-funded ACM Turing awardees: A look at 50 years of computing's greatest visionaries

June 22, 2017

This year marks 50 years of the ACM A.M. Turing Award, the highest distinction in computer science, often regarded as the "Nobel Prize of Computing." Since 1966, the Association for Computing Machinery (ACM) has recognized on an annual basis individuals who have contributed lasting and major technical accomplishments to computing.

The name of the award recognizes Alan M. Turing, who is often credited as a key founder of the field of artificial intelligence. More than half of the 65 Turing Awardees have been funded by the National Science Foundation (NSF) at some point in their careers. These awardees, and their NSF-supported work, have greatly advanced science and society.

The full list of Turing awardees appears below. An asterisk (*) indicates awardees who have received NSF funding.

2016 Tim Berners-Lee*
2015 Whitfield Diffie
2015 Martin Hellman*
2014 Michael Stonebraker*
2013 Leslie Lamport*
2012 Shafi Goldwasser*
2012 Silvio Micali*
2011 Judea Pearl*
2010 Leslie Gabriel Valiant*
2009 Charles P. Thacker
2008 Barbara Liskov*
2007 Edmund Melson Clarke*
2007 E. Allen Emerson*
2007 Joseph Sifakis
2006 Frances Elizabeth Allen
2005 Peter Naur
2004 Vinton Gray Cerf*
2004 Robert Elliot Kahn*
2003 Alan Kay*
2002 Leonard Max Adleman*
2002 Ronald Linn Rivest*
2002 Adi Shamir

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2001 Ole-Johan Dahl
2001 Kristen Nygaard
2000 Andrew Chi-Chih Yao*
1999 Frederick Brooks*
1998 James Nicholas Gray
1997 Douglas Engelbart*
1996 Amir Pnueli*
1995 Manuel Blum*
1994 Edward A Feigenbaum*
1994 Dabbala Rajagopal Reddy*
1993 Juris Hartmanis*
1993 Richard Edwin Stearns*
1992 Butler W Lampson
1991 Arthur John Robin Gorell Milner
1990 Fernando J Corbato
1989 William Morton Kahan
1988 Ivan Sutherland*
1987 John Cocke
1986 John E Hopcroft*
1986 Robert Endre Tarjan*
1985 Richard Manning Karp*
1984 Niklaus E. Wirth
1983 Dennis M. Ritchie
1983 Kenneth Lane Thompson
1982 Stephen Arthur Cook
1981 Edgar F. Codd
1980 C. Antony R. Hoare
1979 Kenneth E. Iverson
1978 Robert W Floyd
1977 John Backus*
1976 Michael O. Rabin*
1976 Dana Stewart Scott
1975 Allen Newell*
1975 Herbert Alexander Simon*
1974 Donald Ervin Knuth*
1973 Charles William Bachman
1972 Edsger Wybe Dijkstra
1971 John McCarthy*
1970 James Hardy Wilkinson
1969 Marvin Minsky
1968 Richard W Hamming
1967 Maurice V. Wilkes
1966 Alan J Perlis*

Please note data prior to 1976 may not be complete.

For more information about the ACM Turing Award and awardees, visit [http://amturing.acm.org/ \(/cgi-bin/good-bye?http://amturing.acm.org/\).](http://amturing.acm.org/ (/cgi-bin/good-bye?http://amturing.acm.org/).)

-NSF-

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