

IEEE JOHN VON NEUMANN MEDAL
RECIPIENTS

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| 2017 | VLADIMIR VAPNIK
Professor, Columbia University and
Facebook AI Research, New York,
New York, USA | "For the development of statistical learning
theory, the theoretical foundations for
machine learning, and support vector
machines." |
| 2016 | CHRISTOS HARILAOS
PAPADIMITRIOU
Professor, University of California,
Berkeley, Berkeley, California, USA | "For providing a deeper understanding of
computational complexity and its implications
for approximation algorithms, artificial
intelligence, economics, database theory,
and biology." |
| 2015 | JAMES A. GOSLING
Chief Software Architect, Liquid
Robotics, Redwood, California, USA | "For the Java programming language, Java
Virtual Machine, and other contributions to
programming languages and environments." |
| 2014 | CLEVE MOLER
Chief Mathematician, MathWorks,
Santa Fe, New Mexico, USA | "For fundamental and widely used
contributions to numerical linear algebra and
scientific and engineering software that
transformed computational science." |
| 2013 | JACK B. DENNIS
Professor Emeritus, Massachusetts
Institute of Technology Computer
Science and Artificial Intelligence
Laboratory, MIT, Cambridge, MA,
USA | "For fundamental abstractions to implement
protection in operating systems and for the
dataflow programming paradigm." |
| 2012 | EDWARD McCLUSKEY
Professor Emeritus, Departments of
Electrical Engineering and
Computer Science, Stanford
University, Stanford, CA, USA | "For fundamental contributions that shaped
the design and testing of digital systems." |
| 2011 | C.A.R. (TONY) HOARE
Principal Researcher, Microsoft
Research Ltd.; Cambridge, UK | "For seminal contributions to the scientific
foundation of software design." |
| 2010 | JOHN HOPCROFT
IBM Professor of Engineering and
Applied Mathematics, Cornell
University, Cornell, NY, USA | "For laying the foundations for the fields of
automata and language theory and many
seminal contributions to theoretical computer
science." |
| AND | JEFFREY ULLMAN
Professor Emeritus of Computer
Science, Stanford University
Stanford, CA, USA | |
| 2009 | SUSAN L. GRAHAM
Pehong Chen Distinguished | "For contributions to programming language
design and implementation and for |

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	Professor of Computer Science, Univ of California at Berkeley, Berkeley, CA, USA	exemplary service to the discipline of computer science."
2008	LESLIE LAMPORT Researcher, Microsoft Corporation, Silicon Valley Research Center, Mountain View, CA, USA	"For establishment of the foundations of distributed and concurrent computing."
2007	CHARLES THACKER Distinguished Engineer, Microsoft Corporation, Redmond, WA, USA	"For a central role in the creation of the personal computer and the development of networked computer systems."
2006	EDWIN CATMULL President, Pixar Animation Studios, Emeryville, CA, USA	"For fundamental contributions to computer graphics, and a pioneering role in the use of computer animation in motion pictures."
2005	MICHAEL STONEBRAKER Adjunct Professor, Laboratory for CS, Massachusetts Institute of Technology, Bedford, NH, USA	"For contributions to the design, implementation, and commercialization of relational and object-relational database systems."
2004	BARBARA H. LISKOV Ford Professor of Engineering and Associate Head for Computer Science, Massachusetts Institute of Technology Cambridge, MA, USA	"For fundamental contributions to programming languages, programming methodology, and distributed systems."
2003	ALFRED V. AHO Professor, Columbia University, New York, NY, USA	"For contributions to the foundations of computer science and to the fields of algorithms and software tools."
2002	OLE-JOHAN DAHL Univ of Oslo, Oslo, Norway	"For the introduction of the concepts underlying object-oriented programming through the design and implementation of SIMULA 67."
AND	KRISTEN NYGAARD Univ of Oslo, Oslo, Norway	
2001	BUTLER W. LAMPSON Distinguished Engineer at Microsoft and Adjunct Professor at MIT	"For technical leadership in the creation of timesharing, distributed computing, networking security and program languages."
2000	JOHN L. HENNESSY Stanford University Stanford, CA, USA	"For creating a revolution in computer architecture through their exploration, popularization, and commercialization of architectural innovations."
AND	DAVID A. PATTERSON	

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University of California at Berkeley
Berkeley, CA, USA

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| 1999 | DOUGLAS C. ENGELBART
Bootstrap Institute
Fremont, CA, USA | "For creating the foundations of real time, interactive, personal computing including CRT displays, windows, the mouse, hypermedia linking and conferencing, and on-line journals." |
| 1998 | IVAN EDWARD SUTHERLAND
Sun Microsystems Laboratories
Palo Alto, CA, USA | "For pioneering contributions to computer graphics and microelectronic design, and leadership in the support of computer science and engineering research" |
| 1997 | MAURICE V. WILKES
Olivetti Research Ltd.
Cambridge, England | "For a lifelong career of seminal contributions to computing, including the first full-scale operational stored program computer and to the foundations of programming." |
| 1996 | CARVER A. MEAD
California Institute of Technology
Pasadena, CA, USA | "For leadership and innovative contributions to VLSI and creative microelectronic structures." |
| 1995 | DONALD E. KNUTH
Stanford University
Stanford, CA, USA | "For fundamental contributions to the theory and practice of computer science and to the art of computer programming." |
| 1994 | JOHN COCKE
IBM/T.J. Watson Research Center
Yorktown Heights, NY, USA | "For contributions to the computer industry including the invention, development and implementation of Reduced Instruction Set Computer (RISC) architecture and program optimization technology." |
| 1993 | FREDERICK P. BROOKS, JR.
Univ. of North Carolina
Chapel Hill, NC, USA | "For significant developments in computer architecture, insightful observations on software engineering, and for computer science education and professional service." |
| 1992 | C. GORDON BELL
Stardent Computer
Sunnyvale, CA, USA | "For innovative contributions to computer architecture and design." |