<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Affiliation</th>
<th>Award Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>JEFFREY ADGATE DEAN</td>
<td>(nonmember)—Google Senior Fellow, Mountain View, California, USA</td>
<td>“For contributions to the science and engineering of large-scale distributed computer systems and artificial intelligence systems.”</td>
</tr>
<tr>
<td>2020</td>
<td>MICHAEL I. JORDAN</td>
<td>Professor, University of California, Berkeley, California, USA</td>
<td>“For contributions to machine learning and data science.”</td>
</tr>
<tr>
<td>2019</td>
<td>EVA TARDOS</td>
<td>Jacob Gould Schurman Professor of Computer Science, Cornell University, Ithaca, New York, USA</td>
<td>“For contributions to the field of algorithms, including foundational new methods in optimization, approximation algorithms, and algorithmic game theory.”</td>
</tr>
<tr>
<td>2018</td>
<td>PATRICK COUSOT</td>
<td>Professor, New York University, New York, New York, USA</td>
<td>“For introducing abstract interpretation, a powerful framework for automatically calculating program properties with broad application to verification and optimization.”</td>
</tr>
<tr>
<td>2017</td>
<td>VLADIMIR VAPNIK</td>
<td>Professor, Columbia University and Facebook AI Research, New York, New York, USA</td>
<td>“For the development of statistical learning theory, the theoretical foundations for machine learning, and support vector machines.”</td>
</tr>
<tr>
<td>2016</td>
<td>CHRISTOS HARILAOS PAPADIMITRIOU</td>
<td>Professor, University of California, Berkeley, Berkeley, California, USA</td>
<td>&quot;For providing a deeper understanding of computational complexity and its implications for approximation algorithms, artificial intelligence, economics, database theory, and biology.&quot;</td>
</tr>
<tr>
<td>2015</td>
<td>JAMES A. GOSLING</td>
<td>Chief Software Architect, Liquid Robotics, Redwood, California, USA</td>
<td>“For the Java programming language, Java Virtual Machine, and other contributions to programming languages and environments.”</td>
</tr>
<tr>
<td>2014</td>
<td>CLEVE MOLER</td>
<td>Chief Mathematician, MathWorks, Santa Fe, New Mexico, USA</td>
<td>“For fundamental and widely used contributions to numerical linear algebra and scientific and engineering software that transformed computational science.”</td>
</tr>
<tr>
<td>2013</td>
<td>JACK B. DENNIS</td>
<td>Professor Emeritus, Massachusetts Institute of Technology Computer Science and Artificial Intelligence Laboratory, MIT, Cambridge, MA, USA</td>
<td>“For fundamental abstractions to implement protection in operating systems and for the dataflow programming paradigm.”</td>
</tr>
</tbody>
</table>
IEEE JOHN VON NEUMANN MEDAL
RECIPIENTS

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
Professor of Computer Science,
Univ of California at Berkeley,
Berkeley, CA, USA
“For contributions to programming language
design and implementation and for
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.”
IEEE JOHN VON NEUMANN MEDAL RECIPIENTS

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
AND
KRISTEN NYGAARD
Univ of Oslo, Oslo, Norway

"For the introduction of the concepts underlying object-oriented programming through the design and implementation of SIMULA 67."

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
AND
DAVID A. PATTERSON
University of California at Berkeley Berkeley, CA, USA

“For creating a revolution in computer architecture through their exploration, popularization, and commercialization of architectural innovations.”

1999 DOUGLAS C. ENGBERT
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

“For contributions to the computer industry
IBM/T.J. Watson Research Center
Yorktown Heights, NY, USA

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."