# IEEE EMANUEL R. PIORE AWARD
## RECIPIENTS

2011 - SHAFI GOLDWASSER
Professor, MIT and Weizmann Institute of Science, Cambridge, MA, USA

"For pioneering work in laying the foundations of modern cryptography and its relation to complexity theory."

2010 – NANCY ANN LYNCH
NEC Professor of Software Science and Engineering
MIT, Dept of EECS, Cambridge, MA, USA

"For contributions of foundations of distributed and concurrent computing."

2009 – DAVID J. DEWITT
John P. Morgridge Professor, Univ of Wisconsin, Madison, WI, USA

"For fundamental contributions to the architecture, algorithms, and implementation of innovative database systems."

2008 - RICHARD F. RASHID
Senior Vice President, Research, Microsoft Corporation, Redmond, WA

"For contributions to the design of modern operating systems, and for innovation and leadership in industrial research"

2007- RANDAL E. BRYANT
School of Computer Science, Carnegie-Mellon, Pittsburgh, PA

"For seminal contributions to the field of computer-aided circuit design and verification, including the development and promulgation of ordered binary decision diagrams."

2006- ROBERT K. BRAYTON
Professor, Department of Electrical Engineering, University of California, Berkeley, Berkeley, CA

"For development of the field of logic synthesis from its early inception through industrial maturity."

2005 – JACOB A. ABRAHAM
Professor
Univ of Texas at Austin, Austin, TX

"For contributions to the development of reliable and testable computer hardware systems."

2004 – LESLIE LAMPORT
Senior Researcher
Microsoft Research, Mountain View, CA

"For seminal contributions to the theory and practice of concurrent programming and fault-tolerant computing."

2003 - GIOVANNI DeMICHELI
Professor, Electrical Engineering Dept., Stanford University, Stanford, CA

"For contributions to computer-aided synthesis of digital systems."

2002 – BRIAN RANDELL
Univ of Newcastle
Newcastle on Tyne, UK

"For seminal contributions to and leadership in computer system dependability research."

2001 - RAVISHANKAR K. IYER
Univ. of Illinois at Urbana-Champaign
Urbana, IL

"For fundamental contributions to measurement, evaluation, and design of reliable computing systems."

2000 - WILLIAM M. (VELVEL) KAHAN
University of California at Berkley
Berkeley, CA

"For contributions to numerical analysis and standardization of floating-point arithmetic."

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## RECIPIENTS

1999 - NARENDRA AHUJA
University of Illinois at
Urbana-Champaign, Urbana, IL

"For contributions to computer vision and image processing."

1998 - JANAK H. PATEL
University of Illinois, Urbana, IL

"For contributions to test generation and computer architecture."

1997 - SHUN-ICHI AMARI
RIKEN
Wakou-city, Japan

"For pioneering contributions and leadership in neural networks and information geometry."

1996 - EDWARD J. McCLUSKEY
Stanford University
Stanford, CA

"For pioneering and fundamental contributions to design automation and fault tolerant computing."

1995 - YALE N. PATT
University of Michigan
Ann Arbor, MI

"For contributions to computer architecture leading to commercially viable high performance microprocessors."

1994 - JOHN L. HENNESSY
Stanford University
Stanford, CA

"For contributions to quantitative evaluation of computer architectures and the successful implementation of Reduced Instruction-Set Computer (RISC) architecture."

1993 - MAKOTO NAGAO
Kyoto University
Kyoto, Japan

"For leadership and contributions to natural language processing and computer vision areas."

1992 - HAROLD S. STONE
IBM Corp.
Hawthorne, NY

"For fundamental contributions to parallel computer technology, and to computer science education."

1991 - JOSEPH F. TRAUB
Columbia University
New York, NY

"For pioneering research in algorithm complexity, iteration theory and parallelism, and for leadership in computing education."

1990 - ALLEN NEWELL
Carnegie Mellon University
Pittsburgh, PA

"For seminal contributions to artificial intelligence."

1989 - PETER A. FRANASZEK
IBM Corp.
Hawthorne, NY

"For contributions to the theory and practice of coding for contrained channels in digital recording."

1988 - GRACE M. HOPPER (Deceased)
Digital Equipment Corp.
Washington, DC

"For pioneering contributions in information processing and programming language."

1987 - DAVID J. KUCK
University of Illinois
Urbana, IL

"For contributions to optimizing compilers for supercomputers."

1986 – DAVID C. EVANS
     Evans & Sutherland Computer Corp.
     Salt Lake City, UT
AND  IVAN E. SUTHERLAND
     Sutherland, Sproull, & Associates, Inc.
     Pittsburgh, PA

"For pioneering work in the development of interactive computer graphics systems and contributions to computer science education."

1985 - AZRIEL ROSENFELD
     University of Maryland
     College Park, MD

"For fundamental contributions to digital image processing."

1984 - HARVEY GEORGE CRAG0N
     Texas Instruments Inc.
     Dallas, TX

"For creative contributions and leadership in uniting computer architecture with the inherent capabilities of the integrated circuit."

1983 - NIKLAUS WIRTH
     Swiss Fed. Inst. of Tech.
     Zurich, Switzerland

"For creative contribution to programming language and design methodology as exemplified by his development of the Pascal language."

1982 - KENNETH L. THOMPSON
     DENNIS M. RITCHIE
     Bell Laboratories
     Murray Hill, NJ

"For the creation and development of an operating system of high utility, availability, and instructive value, as embodied in UNIX and its related facilities."

1981 - NO AWARD

1980 - LAWRENCE R. RABINER
     Bell Laboratories
     Murray Hill, NJ
AND  RONALD W. SCHAFER
     Georgia Institute of Technology
     Atlanta, GA

"For their contributions to digital speech processing and digital filter design."

1979 - RICHARD W. HAMMING
     U.S. Naval Postgrad. School
     Monterey, CA

"For introduction of error correcting codes, pioneering work in operating systems and programming languages, and the advancement of numerical computation."

1978 - J. PRESPER ECKERT, JR.
     JOHN W. MAUCHLY
     Dynatrend, Inc., Springhouse, PA

"For the design and construction of electronic digital computers which stimulated the development of the computer industry."

1977 - GEORGE ROBERT STIBITZ
     Dartmouth Medical School
     Hanover, NH

"For pioneering contributions to the development of computers, utilizing binary and floating-point arithmetic, memory indexing, operation from a remote console, and program-controlled computations."