IEEE EMANUEL R. PIORE AWARD
RECIPIENTS

2013 – NO AWARD

2012 - FRED B. SCHNEIDER
    Samuel B. Eckert Professor of
    Computer Science, Cornell
    University,
    Ithaca, NY, USA

"For contributions to trustworthy computing through novel approaches to security, fault tolerance and formal methods for concurrent and distributed systems."

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
    Massachusetts Institute of
    Technology, Dept of EECS,
    Cambridge, MA, USA

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

2009 – DAVID J. DEWITT
    John P. Morgridge Professor,
    University 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, USA

"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 University,
    Pittsburgh, PA, USA

"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, USA

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

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

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

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

"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, USA

"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, USA

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

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

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

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, USA

"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, USA

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

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

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

1994 - JOHN L. HENNESSY
    Stanford University
    Stanford, CA, USA

"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, USA

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

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

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

1990 - ALLEN NEWELL
Carnegie Mellon University
Pittsburgh, PA, USA

"For seminal contributions to artificial intelligence."

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

"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, USA

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

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

"For contributions to optimizing compilers for supercomputers."

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

"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, USA

"For fundamental contributions to digital image processing."

1984 - HARVEY GEORGE CRAGON
Texas Instruments Inc.
Dallas, TX, USA

"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, USA

"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, USA
AND
     RONALD W. SCHAFER
     Georgia Institute of Technology
     Atlanta, GA, USA

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

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

"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, USA

"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, USA

"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."