

IEEE RICHARD W. HAMMING MEDAL
RECIPIENTS

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| 2011 | TOBY BERGER
Irwin and Joan Jacobs Professor
Engineering, Emeritus, Cornell
University, and Professor of
Electrical and Computer
Engineering, University of Virginia,
Charlottesville, VA, USA | "For contributions to Information Theory, including source coding and its applications." |
| 2010 | WHITFIELD DIFFIE
Vice President, Fellow and Chief
Security Officer, Sun Microsystems,
Menlo Park, CA, USA,
AND MARTIN HELLMAN
Professor Emeritus of Electrical
Engineering, Stanford University,
Stanford, CA, USA,
AND RALPH MERKLE
Senior Research Fellow, Institute for
Molecular Manufacturing, Cupertino,
CA, USA | "For the invention of public key cryptography and its application to secure communications." |
| 2009 | PETER FRANASZEK
IBM Research, Research, Yorktown
Heights, NY, USA | "For pioneering contributions to the theory and practice of constrained channel coding." |
| 2008 | SERGIO VERDU
Prof. of Electrical Engineering,
Princeton Univ., Princeton, NJ, USA | "For fundamental contributions to information theory and the development of multiuser detection." |
| 2007 | ABRAHAM LEMPEL
Director of the HP Labs Advanced
Studies Program and Director of HP
Labs Israel, Hewlett-Packard Labs,
Haifa, Israel | "For pioneering work in data compression especially the Lempel-Ziv algorithm." |
| 2006 | VLADIMIR I. LEVENSHTAIN
Leading Scientific Researcher,
Keldysh Institute for Applied
Mathematics, Moscow, Russia | "For contributions to the theory of error-correcting codes and information theory, including the Levenshtein distance." |
| 2005 | NEIL J.A. SLOANE
Technology Leader, AT&T Labs,
Florham Park, NJ, USA | "For contributions to coding theory and its applications to communications, computer science, mathematics and statistics." |
| 2004 | JACK K. WOLF
Stephen O. Rice Prof, Dept of
E&CE and Endowed Chair, Center
for Magnetic Recording Research
Univ. of California, San Diego, La
Jolla, CA, USA | "For fundamental contributions to the theory and practice of information transmission and storage." |

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2003	CLAUDE BERROU and ALAIN GLAVIEUX Professors, Ecole Nationale Superieure des Telecommunications de Bretagne, Brest, France	"For the invention of turbo codes, which have revolutionized digital communications."
2002	PETER ELIAS MIT, Cambridge, MA, USA	"For fundamental and pioneering contributions to information theory and its applications."
2001	A.G. (SANDY) FRASER Chief Scientist, AT&T Research Labs, Florham Park, NJ, USA	"For pioneering contributions to the architecture of communication networks through the development of virtual circuit switching technology."
2000	SOLOMON W. GOLOMB University of Southern California, Los Angeles, CA, USA	"For fundamental contributions to the theory of shift register sequences and their applications in digital communications."
1999	DAVID A. HUFFMAN University of California Santa Cruz, CA, USA	"For design procedures of minimum redundancy (Huffman) codes and asynchronous sequential circuits, and contributions to analysis of visual imagery."
1998	DAVID D. CLARK MIT, Cambridge, MA, USA	"For leadership and major contributions to the architecture of the Internet as a universal information medium"
1997	THOMAS M. COVER Stanford University Stanford, CA, USA	"For fundamental contributions to information and communication theory, statistics and pattern recognition."
1996	MARK S. PINSKER Institute for Information Transmission Problems (IITP) Russian Academy of Sciences Moscow, Russia	"For outstanding contributions to information theory, statistical estimation and coding theory."
1995	JACOB ZIV Technion-Israel Inst. of Tech. Haifa, Israel	"For contributions to information theory, and the theory and practice of data compression."
1994	GOTTFRIED UNGERBOECK IBM Zürich Research Laboratory Ruschlikon, Switzerland	"For the development and application of trellis modulation to digital communications."
1993	JORMA J. RISSANEN IBM Corporation San Jose, CA, USA	"For fundamental contributions to information theory, statistical inference, control theory, and the theory of complexity."
1992	LOTFI A. ZADEH University of California Berkeley, CA, USA	"For seminal contributions to information science and systems, including the conceptualization of fuzzy sets."

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| 1991 | ELWYN R. BERLEKAMP
AXCOM, Inc.
Berkeley, CA, USA | "For profound contributions to the theory and application of error-correcting codes." |
| 1990 | DENNIS M. RITCHIE and
KENNETH L. THOMPSON
AT& T Bell Laboratories
Murray Hill, NJ, USA | "For the origination of the UNIX operating system and the C programming language." |
| 1989 | IRVING S. REED
University of Southern California
Los Angeles, CA, USA | "For contributions to multiple error-correcting codes, digital computer design, and automatic detection and processing of signals in noise." |
| 1988 | RICHARD W. HAMMING
U.S. Naval Postgrad. School
Monterey, CA, USA | "For exceptional and pioneering contributions to information sciences and systems, and for inspiring generations of researchers in these fields." |