

IEEE RICHARD W. HAMMING MEDAL

RECIPIENTS

- 2015 IMRE CSISZAR
Research Professor, A. Rényi
Institute of Mathematics,
Hungarian Academy of
Sciences, Budapest, Hungary
"For contributions to information theory, information-
theoretic security, and statistics."
- 2014 THOMAS RICHARDSON
Vice President, Engineering,
Qualcomm, Bridgewater,
New Jersey, USA
"For fundamental contributions to coding theory,
iterative information processing, and
applications."
- AND RÜDIGER URBANKE
Professor, Ecole Polytechnique
Federale de Lausanne,
Lausanne, Switzerland
- 2013 ROBERT CALDERBANK
Professor, Electrical and
Computer Engineering, Duke
University, Durham, NC, USA
"For fundamental contributions to coding theory that
impacted voice-band modems and wireless
communication."
- 2012 MICHAEL G. LUBY
Vice President of Technology,
QUALCOMM, Inc., Berkeley, CA,
USA
"For the conception, development, and analysis of
practical rateless codes."
- AND AMIN SHOKROLLAHI
Professor of Math and
Computer Science, EPFL, and
Chief Scientist, Digital Fountain,
Inc., Lausanne, Switzerland
- 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
"For the invention of public key cryptography and its
application to secure communications."
- AND MARTIN HELLMAN
Professor Emeritus of Electrical

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Engineering, Stanford
University, Stanford, CA, USA

- AND RALPH MERKLE
Senior Research Fellow,
Institute for Molecular
Manufacturing, Cupertino, CA,
USA
- 2009 PETER FRANASZEK "For pioneering contributions to the theory and
IBM Research, Research, practice of constrained channel coding."
Yorktown Heights, NY, USA
- 2008 SERGIO VERDU "For fundamental contributions to information theory
Prof. of Electrical Engineering, and the development of multiuser detection."
Princeton Univ., Princeton, NJ,
USA
- 2007 ABRAHAM LEMPEL "For pioneering work in data compression especially
Director of the HP Labs the Lempel-Ziv algorithm."
Advanced Studies Program and
Director of HP Labs Israel,
Hewlett-Packard Labs, Haifa,
Israel
- 2006 VLADIMIR I. LEVENSHTein "For contributions to the theory of error-correcting
Leading Scientific Researcher, codes and information theory, including the
Keldysh Institute for Applied Levenshtein distance."
Mathematics, Moscow, Russia
- 2005 NEIL J.A. SLOANE "For contributions to coding theory and its applications
Technology Leader, AT&T Labs, to communications, computer science, mathematics
Florham Park, NJ, USA and statistics."
- 2004 JACK K. WOLF "For fundamental contributions to the theory and
Stephen O. Rice Prof, Dept of practice of information transmission and storage."
E&CE and Endowed Chair,
Center for Magnetic Recording
Research
Univ. of California, San Diego,
La Jolla, CA, USA
- 2003 CLAUDE BERROU "For the invention of turbo codes, which have
ALAIN GLAVIEUX revolutionized digital communications."
Professors, Ecole Nationale
Superieure des
Telecommunications de
Bretagne, Brest, France

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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."
1991	ELWYN R. BERLEKAMP AXCOM, Inc. Berkeley, CA, USA	"For profound contributions to the theory and application of error-correcting codes."

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- 1990 DENNIS M. RITCHIE
AT& T Bell Laboratories
Murray Hill, NJ, USA
- "For the origination of the UNIX operating system and the C programming language."
- AND KENNETH L. THOMPSON
AT& T Bell Laboratories,
Murray Hill, NJ, USA
- 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."