

IEEE ALEXANDER GRAHAM BELL MEDAL
RECIPIENTS

2010	JOHN M. CIOFFI Hitachi America Professor of Electrical Engineering, Stanford University, Stanford, CA, USA	“For pioneering discrete multitone modem technology as the foundation of the global DSL industry.”
2009	ROBERT J. MCELIECE Allan E. Puckett Professor and Professor of Electrical Engineering California Institute of Technology Pasadena, CA, USA	“For fundamental contributions to the theory and practice of error-correcting codes and to the design of deep space telecommunication systems.”
2008	GERARD J. FOSCHINI Bell Labs Fellow, Wireless Communications Research Department, Bell Laboratories, Alcatel-Lucent, Holmdel, NJ, USA	“For seminal contributions to the science and technology of multiple-antenna wireless communications.”
2007	NORMAN ABRAMSON Vice President and CTO of SkyWare, Inc. San Francisco, CA	“For contributions to the development of modern data networks through fundamental work in random multiple access”
2006	JOHN M. WOZENCRAFT Professor Emeritus, Electrical Engineering and Computer Science, MIT., Cambridge, MA.	“For the development of sequential decoding and the signal space approach to digital communication.”
2005	JIM K. OMURA Technology Strategist, Gordon & Betty Moore Foundation, San Francisco, CA	"For contributions to the theory of communication systems and the commercial applications of spread spectrum radios and public key cryptography."
2004	NOT AWARDED	
2003	JAOCHIM HAGENAUER Munich University of Technology Munich, Germany	“For contributions to soft decoding and its application to iterative decoding algorithm”
2002	TSUNEO NAKAHARA Sumitomo Electric Industries Osaka, Japan	"For pioneering work on the design and development of manufacturing systems for optical fibers."
2001	NOT AWARDED	
2000	VLADIMIR A. KOTELNIKOV Russian Academy of Sciences Moscow, Russia	“For fundamental contributions to signal theory.”

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| 1999 | DAVID G. MESSERSCHMITT
University of California, Berkeley
Berkeley, CA | "For fundamental contributions to communications theory and practice, including VLSI for signal processing, and simulation and modeling software." |
| 1998 | RICHARD E. BLAHUT
Dept. of Electrical & Computer Science
University of Illinois, Urbana, IL | "For contributions to error-control coding, particularly by combining algebraic coding theory and digital transform techniques" |
| 1997 | VINTON G. CERF
Sr. Vice President MCI
Telecommunications Corp.
Reston, VA | "For conceiving the Internet architecture and protocols, and for the vision and sustained leadership that led to the current Internet." |
| AND | ROBERT E. KAHN
Founder and President
Corp for National Research Initiative (CNRI), Reston, VA | |
| 1996 | TADAHIRO SEKIMOTO
NEC Corporation, Tokyo, Japan | "For pioneering contributions to digital satellite communications and industry leadership in developing digital communications." |
| 1995 | IRWIN M. JACOBS
QUALCOMM, Inc., San Diego, CA | "For outstanding contributions to telecommunications, including leadership, theory, practice and product development." |
| 1994 | HIROSHI INOSE
NCSIS, Tokyo, Japan | "For pioneering contributions to digital switching and modulation, and for leadership in international telecommunications." |
| 1993 | DONALD C. COX
Bellcore, Red Bank, NJ | "For pioneering and leadership in personal portable communications." |
| 1992 | JAMES L. MASSEY
Swiss Fed. Tech. University
Zurich, Switzerland | "For contributions to the theory and practical implementation of forward-error-correcting codes, multi-user communications, and cryptographic systems; and for excellence in engineering education." |
| 1991 | C. CHAPIN CUTLER
The Compromise, Waterford, ME | "For the invention and development of predictive coding of pictures and picture sequences." |
| AND | JOHN O. LIMB
Hewlett-Packard, Cupertino, CA | |
| AND | ARUN N. NETRAVALI
AT&T Bell Labs., Murray Hill, NJ | |
| 1990 | PAUL BARAN
Interfax Inc., Menlo Park, CA | "For pioneering in Packet Switching." |
| 1989 | GERALD R. ASH | "For contributions to the conception and implementation of Dynamic Nonhierarchical Routing (DNHR) in telecommunications networks." |
| AND | BILLY B. OLIVER
AT&T Bell Labs, Holmdel, NJ | |

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| 1988 | ROBERT M. METCALFE
3Com Corp., Santa Clara, CA | "For contributions to the invention, standardization and commercialization of local area networks -- especially the Ethernet." |
| 1987 | JOEL S. ENGEL
Satellite Business Systems
McLean, VA | "For fundamental contributions to the theory, design and deployment of cellular mobile communications systems." |
| | AND RICHARD H. FRENKIEL
AT&T Information Systems Labs
Holmdel, NJ | |
| | AND WILLIAM C. JAKES, JR.
AT&T Bell Labs, Andover, MA | |
| 1986 | BERNARD WIDROW
Stanford University, Palo Alto, CA | "For fundamental contributions to adaptive filtering, adaptive noise and echo cancellation, and adaptive antennas." |
| 1985 | CHARLES K. KAO
ITT Corp., Shelton, CT | "For pioneering contributions to optical fiber communications." |
| 1984 | ANDREW J. VITERBI
Linkabit Corp., San Diego, CA | "For fundamental contributions to telecommunication theory and practice and for leadership in teaching." |
| 1983 | STEPHEN O. RICE
Univ. of California, San Diego, CA | "For his contributions to the fundamental understanding of communications systems and to the underlying mathematics, and for inspiring younger scientists and engineers." |
| 1982 | HAROLD A. ROSEN
Hughes Aircraft Company
El Segundo, CA 90245 | "For pioneering contributions to, and leadership in, geostationary communication satellites." |
| 1986 | BERNARD WIDROW
Stanford University, Palo Alto, CA | "For fundamental contributions to adaptive filtering, adaptive noise and echo cancellation, and adaptive antennas." |
| 1981 | DAVID SLEPIAN
Bell Labs, Murray Hill, NJ | "For fundamental contributions to communication theory." |
| 1980 | RICHARD R. HOUGH
AT&T, Basking Ridge, NJ | "For his contributions to the nationwide and international telephone network and, particularly, the introduction of electronic switching therein." |
| 1979 | A. CHRISTIAN JACOBÆUS
Telefonaktiebolaget
Stockholm, Sweden | "For pioneering work in the theory of switching systems and technical leadership in the development of telecommunication systems." |
| 1978 | M. ROBERT AARON
Bell Labs, Holmdel, NJ | "For personal contributions to, and leadership in, the practical realization of high-speed digital communications." |
| | AND JOHN S. MAYO
Bell Labs, Murray Hill, NJ | |
| | AND ERIC E. SUMNER | |

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Bell Labs, Whippany, NJ

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| 1977 | EBERHARDT RECHTIN
Hewlett-Packard Co., Palo Alto, CA | "For pioneering and lasting contributions to deep-space-vehicle communications technology and for leadership in defense telecommunications." |
| 1976 | AMOS E. JOEL, JR.
AND WILLIAM KEISTER
AND RAYMOND W. KETCHLEDGE
Bell Telephone Labs, Inc., Holmdel,
NJ | "For conception and development of Electronic Switching Systems and their effective introduction into a nation-wide telephone system." |