

IEEE JACK S. KILBY SIGNAL PROCESSING MEDAL

RECIPIENTS

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|------|---|---|
| 2017 | MARTIN VETTERLI
Professor, EPFL, Lausanne,
Switzerland | "For fundamental contributions to advanced sampling, signal representations, and multirate and multiresolution signal processing." |
| 2016 | LOUIS L. SCHARF
Research Professor of
Mathematics and Emeritus
Professor of Electrical and
Computer Engineering,
Colorado State University,
Fort Collins, Colorado, USA | "For pioneering and sustained contributions to statistical signal processing and its practice." |
| 2015 | HARRY L. VAN TREES
University Professor Emeritus
Affiliation, George Mason
University, Stanardsville,
Virginia, USA | "For fundamental contributions to detection, estimation, and modulation theory; sensor array processing; and Bayesian bounds." |
| 2014 | THOMAS P. BARNWELL, III
Professor Emeritus, Georgia
Institute of Technology,
Vinnings, Georgia, USA | "For leadership in and contributions to speech processing, filter banks and wavelets, DSP hardware and architectures, and technology-enhanced education." |
| 2013 | BISHNU S. ATAL
Affiliate Professor, Electrical
Engineering Department,
University of Washington,
Seattle, WA, USA | "For fundamental and pioneering contributions to speech coding." |
| 2012 | CLIFFORD CARTER
(Retired), U.S. Navy's Senior
Technologist (ST) for
Acoustic Signal Processing,
Naval Undersea Warfare
Center (NUWC) Division
Newport, Newport, RI, USA | "For contributions to the fundamentals of coherence and time-delay estimation and to underwater acoustics signal processing." |
| 2011 | INGRID DAUBECHIES
Professor, William R. Kenan,
Jr., Department of
Mathematics and Program for
Applied Mathematics,
Princeton University,
Princeton, NJ, USA | "For pioneering contributions to the theory and applications of wavelets and filter banks." |
| 2010 | RONALD SCHAFER | "For leadership and pioneering contributions |

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| | HP Fellow, Hewlett Packard,
Palo Alto, CA, USA | to the field of digital signal processing.” |
| 2009 | CHARLES SIDNEY BURRUS
Dean (Emeritus), Rice
University College of Eng.,
Houston, TX, USA | “For contributions to Fast Fourier Transform algorithms, digital filter design, and signal processing education.” |
| 2008 | ROBERT M. GRAY
Lucent Technologies Prof. of
Engineering, EE Dept
Stanford Univ., Stanford, CA,
USA | “For contributions to vector quantization and signal compression techniques.” |
| 2007 | ALAN V. OPPENHEIM
Ford Professor of
Engineering, MIT,
Department of EECS,
Cambridge, MA, USA | “For visionary leadership and exceptional contributions to the field of digital signal processing.” |
| 2006 | THOMAS KAILATH
Hitachi America Prof. of
Engineering, Emeritus, Dept
of EE, Stanford University,
Stanford, CA, USA | “For seminal contributions to the theory and applications of statistical signal processing.” |
| 2005 | FUMITADA ITAKURA
Prof., Meijo University,
Nagoya, Japan | “For pioneering contributions to narrow-band speech coding.” |
| 2004 | THOMAS W. PARKS
Prof., School of Electrical
Eng, Cornell Univ., Ithaca,
NY, USA | “For fundamental contributions to digital filter design and interpolation, especially the Parks-McClellan algorithm.” |
| | AND JAMES H. McCLELLAN
Prof., School of Electrical and
Computer Engineering
Georgia Institute of Tech.
Atlanta, GA, USA | |
| 2003 | HANS W. SCHUESSLER
Professor Emeritus
Univ. of Erlangen-Nuernberg
Erlangen, Germany | “For his role in the early development of the field of Digital Signal Processing, especially the theory, design, and implementation of analog and digital filters.” |

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|------|---|--|
| 2002 | JAMES W. COOLEY
Consultant, South Kingstown,
RI, USA | "For pioneering the Fast Fourier Transform (FFT) algorithm." |
| 2001 | THOMAS S. HUANG
Faculty Member, Univ of
Illinois
Urbana-Champaign, IL, USA | "For pioneering and sustained contributions to image sequence processing and its applications to digital TV, to pattern recognition, and to computer animation." |
| AND | ARUN N. NETRAVALI
President, Bell Labs, NJ, USA | |
| 2000 | JAMES F. KAISER
Duke University
Durham, NC, USA | "For his pioneering contributions in digital filter design and implementations, and his role in the early development of the field of Digital Signal Processing. |
| 1999 | LAWRENCE R. RABINER
AT&T Labs
Florham Park, NJ, USA | "For far-reaching impact on the fields of digital signal processing and automatic speech recognition, through leadership, research, and education." |
| 1998 | THOMAS G. STOCKHAM
University of Utah
Salt Lake City, UT, USA | "For pioneering the field of digital audio processing" |
| 1997 | BERNARD GOLD
MIT Lincoln Laboratory,
Lexington, MA, USA | "For pioneering research in digital signal processing fundamentals, in speech signal processing, and for their landmark signal processing text." |
| AND | CHARLES M. RADER
MIT Lincoln Laboratory,
Lexington, MA, USA | |