

IEEE JACK S. KILBY SIGNAL PROCESSING MEDAL
RECIPIENTS

2019	ALAN WILLSKY Edwin S. Webster Professor of EECS, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA	"For contributions to stochastic modeling, multi-resolution techniques, and control- signal processing synergies."
2018	BEDE LIU Professor Emeritus Department of Electrical Engineering, Princeton University, Princeton, New Jersey, USA	"For sustained contributions to the analysis and the development of low-complexity realizations of digital signal processing algorithms."
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	"For contributions to the fundamentals of coherence and time-delay estimation and to underwater acoustics signal processing."

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Acoustic Signal Processing,
Naval Undersea Warfare
Center (NUWC) Division
Newport, Newport, RI, USA

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| 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
HP Fellow, Hewlett Packard,
Palo Alto, CA, USA | "For leadership and pioneering contributions
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 | "For fundamental contributions to digital filter
design and interpolation, especially the |

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

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Lexington, MA, USA