<table>
<thead>
<tr>
<th>Year</th>
<th>Name</th>
<th>Affiliation</th>
<th>Citation</th>
</tr>
</thead>
<tbody>
<tr>
<td>2019</td>
<td>ALAN WILLSKY</td>
<td>Edwin S. Webster Professor of EECS, Massachusetts Institute of Technology, Cambridge, Massachusetts, USA</td>
<td>“For contributions to stochastic modeling, multi-resolution techniques, and control-signal processing synergies.”</td>
</tr>
<tr>
<td>2018</td>
<td>BEDE LIU</td>
<td>Professor Emeritus Department of Electrical Engineering, Princeton University, Princeton, New Jersey, USA</td>
<td>“For sustained contributions to the analysis and the development of low-complexity realizations of digital signal processing algorithms.”</td>
</tr>
<tr>
<td>2017</td>
<td>MARTIN VETTERLI</td>
<td>Professor, EPFL, Lausanne, Switzerland</td>
<td>“For fundamental contributions to advanced sampling, signal representations, and multirate and multiresolution signal processing.”</td>
</tr>
<tr>
<td>2016</td>
<td>LOUIS L. SCHARF</td>
<td>Research Professor of Mathematics and Emeritus Professor of Electrical and Computer Engineering, Colorado State University, Fort Collins, Colorado, USA</td>
<td>“For pioneering and sustained contributions to statistical signal processing and its practice.”</td>
</tr>
<tr>
<td>2015</td>
<td>HARRY L. VAN TREES</td>
<td>University Professor Emeritus Affiliation, George Mason University, Stanardsville, Virginia, USA</td>
<td>“For fundamental contributions to detection, estimation, and modulation theory; sensor array processing; and Bayesian bounds.”</td>
</tr>
<tr>
<td>2014</td>
<td>THOMAS P. BARNWELL, III</td>
<td>Professor Emeritus, Georgia Institute of Technology, Vinings, Georgia, USA</td>
<td>“For leadership in and contributions to speech processing, filter banks and wavelets, DSP hardware and architectures, and technology-enhanced education.”</td>
</tr>
<tr>
<td>2013</td>
<td>BISHNU S. ATAL</td>
<td>Affiliate Professor, Electrical Engineering Department, University of Washington, Seattle, WA, USA</td>
<td>“For fundamental and pioneering contributions to speech coding.”</td>
</tr>
<tr>
<td>2012</td>
<td>CLIFFORD CARTER</td>
<td>(Retired), U.S. Navy’s Senior Technologist (ST) for</td>
<td>“For contributions to the fundamentals of coherence and time-delay estimation and to underwater acoustics signal processing.”</td>
</tr>
</tbody>
</table>
IEEE JACK S. KILBY SIGNAL PROCESSING MEDAL
RECIPIENTS

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

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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RECIPIENTS

Eng, Cornell Univ., Ithaca, NY, USA

AND JAMES H. McCLELLAN
Prof., School of Electrical and Computer Engineering
Georgia Institute of Tech.
Atlanta, GA, USA

Parks-McClellan algorithm.”

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.”

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,
IEEE JACK S. KILBY SIGNAL PROCESSING MEDAL
RECIPIENTS

Lexington, MA, USA