

**IEEE Signal Processing Society**  
**Young Author Best Paper Award**  
(formerly known as the Paper Award)

<b>2018</b>	<p><b>Zhijin Qin</b>, for the paper co-authored with Yue Gao, Mark D. Plumbley, and Clive G. Parini, for "Wideband Spectrum Sensing on Real-Time Signals at Sub-Nyquist Sampling Rates in Single and Cooperative Multiple Nodes", <i>IEEE Transactions on Signal Processing</i>, vol. 64, no. 12, June 2016.</p> <p><b>Suhas Sreehari</b>, for the paper co-authored with S. V. Venkatakrishnan, Brendt Wohlberg, Gregory T. Buzzard, Lawrence F. Drummy, Jeffrey P. Simmons, and Charles A. Bouman, for "Plug-and-Play Priors for Bright Field Electron Tomography and Sparse Interpolation", <i>IEEE Transactions on Computational Imaging</i>, vol. 2, no. 4, December 2016.</p> <p><b>Eric C. Hall</b>, for the paper co-authored with Rebecca M. Willett, for "Online Convex Optimization in Dynamic Environments", <i>IEEE Journal of Selected Topics in Signal Processing</i>, vol. 9, no. 4, June 2015.</p> <p><b>Xianghao Yu</b>, for the paper co-authored with Juei-Chin Shen, Jun Zhang, and Khaled B. Letaief, for "Alternating Minimization Algorithms for Hybrid Precoding in Millimeter Wave MIMO Systems", <i>IEEE Journal of Selected Topics in Signal Processing</i>, vol. 10, no. 3, April 2016.</p> <p><b>Siheng Chen and Rohan Varma</b>, for the paper co-authored with Aliaksei Sandryhaila and Jelena Kovačević, for "Discrete Signal Processing on Graphs: Sampling Theory", <i>IEEE Transactions on Signal Processing</i>, vol. 63, no. 24, December 2015.</p> <p><b>Si Qin</b>, for the paper co-authored with Yimin D. Zhang and Moeness G. Amin, for "Generalized Coprime Array Configurations for Direction-of-Arrival Estimation", <i>IEEE Transactions on Signal Processing</i>, vol. 63, no. 6, March 2015.</p>
<b>2017</b>	<p><b>Jie Xu and Liang Liu</b>, for the paper co-authored with Rui Zhang entitled, Multiuser MISO Beamforming for Simultaneous Wireless Information and Power Transfer, <i>IEEE Transactions on Signal Processing</i>, Volume 62, No. 18, September 2014.</p> <p><b>Konstantin Dragomiretskiy</b>, for the paper co-authored with Dominique Zosso entitled, Variational Mode Decomposition, <i>IEEE Transactions on Signal Processing</i>, Volume 62, No. 3, February 2014.</p> <p><b>Wei Shi and Kun Yuan</b>, for the paper co-authored with Qing Ling, Gang Wu, and Wotao Yin entitled, On the Linear Convergence of the ADMM in Decentralized Consensus Optimization, <i>IEEE Transactions on Signal Processing</i>, Volume 62, No. 7, April 2014.</p> <p><b>Morteza Mardani</b>, for the paper co-authored with Gonzalo Mateos and Georgios B. Giannakis entitled, Subspace Learning and Imputation for Streaming Big Data Matrices and Tensors, <i>IEEE Transactions on Signal Processing</i>, Volume 63, No. 10, May 2015.</p> <p><b>Mojtaba Soltanalian</b>, for the paper co-authored with Petre Stoica entitled, Designing Unimodular Codes Via Quadratic Optimization, <i>IEEE Transactions on Signal Processing</i>, Volume 62, No. 5, March 2014.</p> <p><b>Roee Enbar</b>, for the paper co-authored with Eran Eidinger and Tal Hassnerfor entitled, Age and Gender Estimation of Unfiltered Faces, <i>IEEE Transactions on Information Forensics and Security</i>, Volume 9, No. 12, December 2014.</p>

2016	<p><b>Yuanming Shi and Brendan O'Donoghue</b>, for the paper co-authored with <b>Jun Zhang</b> and <b>Khaled B. Letaief</b> entitled, Large-Scale Convex Optimization for Dense Wireless Cooperative Networks, <i>IEEE Transactions on Signal Processing</i>, Volume 63, No. 18, September 2015.</p> <p><b>Ahmed Alkhateeb and Omar El Ayach</b> for the paper co-authored with <b>Geert Leus</b> and <b>Robert W. Heath, Jr.</b> entitled, Channel Estimation and Hybrid Precoding for Millimeter Wave Cellular Systems, <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 8, No. 5, October 2014.</p> <p><b>Jack Ho</b>, for the paper co-authored with <b>Wee Peng Tay</b>, <b>Tony Q. S. Quek</b> and <b>Edwin K. P. Chong</b> entitled, Robust Decentralized Detection and Social Learning in Tandem Networks, <i>IEEE Transactions on Signal Processing</i>, Volume 63, No. 19, October 2015.</p> <p><b>Saiprasad Ravishankar</b>, for the paper co-authored with <b>Yoram Bresler</b> entitled, Learning Sparsifying Transforms, <i>IEEE Transactions on Signal Processing</i>, Volume 61, No. 5, March 2013.</p>
2015	<p><b>Jingning Han, Ankur Saxena, Vinay Melkote</b>, for the paper co-authored with <b>Kenneth Rose</b> entitled, Jointly Optimized Spatial Prediction and Block Transform for Video and Image Coding, <i>IEEE Transactions on Image Processing</i>, Volume 21, Number 4, April 2012.</p> <p><b>Yuhua Xu</b>, for the paper co-authored with <b>Jinlong Wang, Qihui Wu, Alagan Anpalagan</b> and <b>Yu-Dong Yao</b> entitled, Opportunistic Spectrum Access in Cognitive Radio Networks: Global Optimization Using Local Interaction Games, <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 6, Number 2, April 2012.</p> <p><b>Dimitris S. Papailiopoulos</b>, for the paper co-authored with <b>Alexandros G. Dimakis</b> entitled, Interference Alignment as a Rank Constrained Rank Minimization, <i>IEEE Transactions on Signal Processing</i>, Volume 60, Number 8, August 2012.</p> <p><b>Peiran Song</b>, for the paper co-authored with <b>Gesualdo Scutari, Francisco Facchinei, Daniel P. Palomar</b> and <b>Jong-Shi Pang</b> entitled, Decomposition by Partial Linearization: Parallel Optimization of Multi-Agent Systems, <i>IEEE Transactions on Signal Processing</i>, Volume 62, Number 3, February 2014.</p> <p><b>João F. C. Mota</b>, for the paper co-authored with <b>João M. F. Xavier, Pedro M. Q. Aguiar</b>, and <b>Markus Püschel</b> entitled, Distributed Basis Pursuit, <i>IEEE Transactions on Signal Processing</i>, Volume 60, Number 4, April 2012.</p>

2014	<p><b>Tomáš Filler</b> and <b>Jan Judas</b>, for the paper co-authored with <b>Jessica Fridrich</b> entitled, Minimizing Additive Distortion in Steganography Using Syndrome-Trellis Codes, <i>IEEE Transactions on Information Forensics and Security</i>, vol. 6, Number 3, September 2011.</p> <p><b>Meisam Razaviyayn</b>, for the paper co-authored with <b>Gennady Lyubeznik</b> and <b>Zhi-Quan Luo</b> entitled, On the Degrees of Freedom Achievable Through Interference Alignment in a MIMO Interference Channel, <i>IEEE Transactions on Signal Processing</i>, vol. 60, Number 2, February 2012.</p> <p><b>Tiangao Gou</b> and <b>Chenwei Wang</b>, for the paper co-authored with <b>Syed A. Jafar</b> entitled, Aiming Perfectly in the Dark-Blind Interference Alignment Through Staggered Antenna Switching, <i>IEEE Transactions on Signal Processing, Volume 59, Number 6, June 2011</i>.</p> <p><b>Jort F. Gemmeke</b>, for the paper co-authored with <b>Tuomas Virtanen</b> and <b>Antti Hurmalainen</b>, entitled, Exemplar-Based Sparse Representations for Noise Robust Automatic Speech Recognition, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, vol. 19, Number 7, September 2011.</p> <p><b>Daniele Giacobello</b>, for the paper co-authored with <b>Mads Græsbøll Christensen</b>, <b>Manohar N. Murthi</b>, <b>Søren Holdt Jensen</b>, and <b>Marc Moonen</b> entitled, Sparse Linear Prediction and Its Applications to Speech Processing, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, vol. 20, Number 5, July 2012.</p>
2013	<p><b>Kalpana Seshadrinathan</b>, for the paper co-authored with <b>Alan Bovik</b> entitled, Motion Tuned Spatio-Temporal Quality Assessment of Natural Videos, <i>IEEE Transactions on Image Processing</i>, Volume 19, Number 2, February 2010.</p> <p><b>Yuejie Chi</b>, for the paper co-authored with <b>Louis Scharf</b>, <b>Ali Pezeshki</b> and <b>A. Robert Calderbank</b> entitled, Sensitivity to Basis Mismatch in Compressed Sensing, <i>IEEE Transactions on Signal Processing</i>, Volume 59, Number 5, May 2011.</p> <p><b>Lin Li</b>, for the paper co-authored with <b>Anna Scaglione</b> and <b>Jonathan Manton</b> entitled, Distributed Principal Subspace Estimation in Wireless Sensor Networks, <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 5, Number 4, August 2011.</p>

2012	<p><b>Ngoc Q. K. Duong</b>, for the paper co-authored with <b>Emmanuel Vincent</b> and <b>Rémi Gribonval</b> entitled, Under-Determined Reverberant Audio Source Separation Using a Full-Rank Spatial Covariance Model, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 18, Number 7, September 2010.</p> <p><b>David Ramirez</b>, for the paper co-authored with <b>Javier Vía</b>, <b>Ignacio Santamaría</b> and <b>Louis L. Scharf</b> entitled, Detection of Spatially Correlated Gaussian Time Series, <i>IEEE Transactions on Signal Processing</i>, Volume 58, Number 10, October 2010.</p> <p><b>Deanna Needell</b>, for the paper co-authored with <b>Roman Vershynin</b> entitled, Signal Recovery from Incomplete and Inaccurate Measurements Via Regularized Orthogonal Matching Pursuit <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 4, Number 2, April 2010.</p> <p><b>Najim Dehak</b>, for the paper co-authored with <b>Patrick J. Kenny</b>, <b>Réda Dehak</b>, <b>Pierre Dumouchel</b>, and <b>Pierre Ouellet</b> entitled, Front-End Factor Analysis for Speaker Verification <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 19, Number 4, May 2011.</p>
2011	<p><b>Yi-Hsuan Yang</b>, <b>Yu-Ching Lin</b>, and <b>Ya-Fan Su</b>, for the paper co-authored with <b>Homer H. Chen</b> entitled, A Regression Approach to Music Emotion Recognition, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 16, Number 2, February 2008.</p> <p><b>Raj Rao Nadakuditi</b>, for the paper co-authored with <b>Alan Edelman</b> entitled, Sample Eigenvalue Based Detection of High-Dimensional Signals in White Noise Using Relatively Few Samples, <i>IEEE Transactions on Signal Processing</i>, Volume 56, Number 7, July 2008.</p> <p><b>Sheng Yi</b>, for the paper co-authored with <b>Demetrio Labate</b>, <b>Glenn R. Easley</b>, and <b>Hamid Krim</b> entitled, A Shearlet Approach to Edge Analysis and Detection, <i>IEEE Transactions on Image Processing</i>, Volume 18, Number 5, May 2009.</p>
2010	<p><b>Kostadin Dabov</b>, for the paper co-authored with <b>Alessandro Foi</b>, <b>Vladimir Katkovnik</b> and <b>Karen Egiazarian</b> entitled, Image Denoising by Sparse 3-D Transform-Domain Collaborative Filtering, <i>IEEE Transactions on Image Processing</i>, Volume 16, Number 8, August 2007.</p> <p><b>Karthik Nandakumar</b>, for the paper co-authored with <b>Anil K. Jain</b> and <b>Sharath Pankanti</b> entitled, Fingerprint-Based Fuzzy Vault: Implementation and Performance, <i>IEEE Transactions on Information Forensics and Security</i>, Volume 2, Number 4, December 2007.</p> <p><b>Geoffrey San Antonio</b>, for the paper co-authored with <b>Daniel R. Fuhrmann</b> and <b>Frank C. Robey</b> entitled, MIMO Radar Ambiguity Functions, <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 1, Number 1, June 2007.</p> <p><b>Liang Sun</b>, for the paper co-authored with <b>Matthew R. McKay</b> and <b>Shi Jin</b> entitled, Analytical Performance of MIMO Multichannel Beamforming in the Presence of Unequal Power Cochannel Interference and Noise, <i>IEEE Transactions on Signal Processing</i>, Volume 57, Number 7, July 2009.</p> <p><b>Duc Son Pham</b>, for the paper co-authored with <b>Abdelhak M. Zoubir</b> entitled, Analysis of Multicomponent Polynomial Phase Signals, <i>IEEE Transactions on Signal Processing</i>, Volume 55, Number 1, January 2007.</p> <p><b>Zhen-Hua Ling</b>, for the paper co-authored with <b>Korin Richmond</b>, <b>Junichi Yamagishi</b>, and <b>Ren-Hua Wang</b> entitled, Integrating Articulatory Features Into HMM-Based Parametric Speech Synthesis, <i>IEEE Transactions on Audio, Speech, And Language Processing</i>, Volume 17, Number 6, August 2009.</p>

2009	<p><b>Florian Luisier</b>, for the paper co-authored with <b>Thierry Blu</b> and <b>Michael Unser</b> entitled, A New SURE Approach to Image Denoising: Interscale Orthonormal Wavelet Thresholding, <i>IEEE Transactions on Image Processing</i>, Volume 16, Number 3, March 2007.</p> <p><b>Tomoki Toda</b>, for the paper co-authored with <b>Alan W. Black</b> and <b>Keiichi Tokuda</b> entitled, Voice Conversion Based on Maximum-Likelihood Estimation of Spectral Parameter Trajectory, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 15, Number 8, November 2007.</p>
2008	<p><b>Hirokazu Kameoka</b>, for the paper co-authored with <b>Takuya Nishimoto</b> and <b>Shigeki Sagayama</b> entitled, A Multipitch Analyzer Based on Harmonic Temporal Structured Clustering, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 15, Number 3, March 2007.</p> <p><b>Minh N. Do</b>, for the paper co-authored with <b>Martin Vetterli</b> entitled, The Contourlet Transform: An Efficient Directional Multiresolution Image Representation, <i>IEEE Transactions on Image Processing</i>, Volume 14, Number 12, December 2005.</p> <p><b>H. Vicky Zhao</b>, for the paper co-authored with <b>K. J. Ray Liu</b> entitled, Behavior Forensics for Scalable Multiuser Collusion: Fairness Versus Effectiveness, <i>IEEE Transactions on Information Forensics and Security</i>, Volume 1, Number 3, September 2006.</p> <p><b>Animashree Anandkumar</b>, for the paper co-authored with <b>Lang Tong</b> entitled, Type-Based Random Access for Distributed Detection Over Multiaccess Fading Channels, <i>IEEE Transactions on Signal Processing</i>, Volume 55, Number 10, October 2007.</p>
2007	<p><b>Ana Petrovic</b> and <b>Oscar Divorra Escoda</b>, for the paper co-authored with <b>Pierre Vandergheynst</b> entitled, Multiresolution Segmentation of Natural Images: From Linear to Nonlinear Scale-Space Representations, <i>IEEE Transactions on Image Processing</i>, Volume 13, Number 8, August 2004.</p> <p><b>XuanLong Nguyen</b>, for the paper co-authored with <b>Martin J. Wainwright</b> and <b>Michael I. Jordan</b> entitled, Nonparametric Decentralized Detection Using Kernel Methods, <i>IEEE Transactions on Signal Processing</i>, Volume 53, Number 11, November 2005.</p> <p><b>Jing Liu</b>, for the paper co-authored with <b>Jian-Kang Zhang</b> and <b>Kon Max Wong</b> entitled, On the Design of Minimum BER Linear Space-Time Block Codes for MIMO Systems Equipped with MMSE Receivers, <i>IEEE Transactions on Signal Processing</i>, Volume 54, Number 8, August 2006.</p> <p><b>Ami Wiesel</b>, for the paper co-authored with <b>Yonina C. Eldar</b> and <b>Shlomo Shamai (Shitz)</b> entitled, Linear Precoding via Conic Optimization for Fixed MIMO Receivers, <i>IEEE Transactions on Signal Processing</i>, Volume 54, Number 1, January 2006.</p> <p><b>Qiyue Zou</b>, for the paper co-authored with <b>Zhiping Lin</b> and <b>Raimund J. Ober</b> entitled, The Cramer-Rao Lower Bound for Bilinear Systems, <i>IEEE Transactions on Signal Processing</i>, Volume 54, Number 5, May 2006.</p>

2006	<p><b>Herbert Buchner</b> and <b>Robert Aichner</b>, for the paper co-authored with <b>Walter Kellermann</b> entitled, A Generalization of Blind Source Separation Algorithms for Convulsive Mixtures Based on Second-Order Statistics, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 13, Number 1, January 2005.</p> <p><b>Jean-François Chamberland</b>, for the paper co-authored with <b>Venugopal V. Veeravalli</b> entitled, Decentralized Detection in Sensor Networks, <i>IEEE Transactions on Signal Processing</i>, Volume 51, Number 2, February 2003.</p> <p><b>Joakim Jaldén</b>, for the paper co-authored with <b>Björn Ottersten</b> entitled, On the Complexity of Sphere Decoding in Digital Communications, <i>IEEE Transactions on Signal Processing</i>, Volume 53, Number 4, April 2005.</p> <p><b>Michael L. Seltzer</b>, for the paper co-authored with <b>Bhiksha Raj</b> and <b>Richard M. Stern</b> entitled, Likelihood-Maximizing Beamforming for Robust HandsFree Speech Recognition, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 12, Number 5, September 2004.</p>
2005	<p><b>Anssi P. Klapuri</b>, for the paper entitled, Multiple Fundamental Frequency Estimation Based on Harmonicity and Spectral Smoothness, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 11, Number 6, November 2003.</p> <p><b>Marius Pesavento</b>, for the paper co-authored with <b>Alex B. Gershman</b> and <b>Kon Max Wong</b> entitled, Direction Finding in Partly Calibrated Sensor Arrays Composed of Multiple Subarrays, <i>IEEE Transactions on Signal Processing</i>, Volume 50, Number 9, September 2002.</p> <p><b>Tobias Dahl</b>, for the paper co-authored with <b>Nils Christophersen</b> and <b>David Gesbert</b> entitled, Blind MIMO Eigenmode Transmission Based on the Algebraic Power Method, <i>IEEE Transactions on Signal Processing</i>, Volume 52, Number 9, September 2004.</p> <p><b>Waleed M. Younis</b>, for the paper co-authored with <b>Ali H. Sayed</b> and <b>Naofal Al-Dhahir</b> entitled, Efficient Adaptive Receivers for Joint Equalization and Interference Cancellation in Multiuser Space-Time Block-Coded Systems, <i>IEEE Transactions on Signal Processing</i>, Volume 51, Number 11, November 2003.</p>
2004	<p><b>Daniel Pérez Palomar</b>, for the paper co-authored with <b>John M. Cioffi</b> and <b>Miguel Angel Lagunas</b> entitled, Joint Tx-Rx Beamforming Design for Multicarrier MIMO Channels: A Unified Framework for Convex Optimization, <i>IEEE Transactions on Signal Processing</i>, Volume 51, Number 9, September 2003.</p> <p><b>George Tzanetakis</b>, for the paper co-authored with <b>Perry Cook</b> entitled, Musical Genre Classification of Audio Signals, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 10, Number 5, July 2002.</p>
2003	<p><b>Deniz Erdogmus</b>, for the paper co-authored with <b>Jose C. Principe</b> entitled, An Error-Entropy Minimization Algorithm for Supervised Training of Nonlinear Adaptive Systems, <i>IEEE Transactions on Signal Processing</i>, Volume 50, Number 7, July 2002.</p> <p><b>Aleksandar Dogandžić</b>, for the paper co-authored with <b>Arye Nehorai</b> entitled, Space-Time Fading Channel Estimation and Symbol Detection in Unknown Spatially Correlated Noise, <i>IEEE Transactions on Signal Processing</i>, Volume 50, Number 3, March 2002.</p> <p><b>Constantinos B. Papadias</b>, for the paper entitled, Globally Convergent Blind Source Separation Based on a Multiuser Kurtosis Maximization Criterion, <i>IEEE Transactions on Signal Processing</i>, Volume 48, Number 12, December 2000.</p> <p><b>Ramon F. Brcich</b>, for the paper co-authored with <b>Abdelhak M. Zoubir</b> and <b>Per Pelin</b> entitled, Detection of Sources Using Bootstrap Techniques, <i>IEEE Transactions on Signal Processing</i>, Volume 50, Number 2, February 2002.</p>

2002	<p><b>Yiteng Huang</b>, for the paper co-authored with <b>Jacob Benesty</b>, <b>Gary W. Elko</b> and <b>Russell M. Mersereau</b> entitled, Real-Time Passive Source Localization: A Practical Linear-Correction Least-Squares Approach, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 9, Number 8, November 2001.</p> <p><b>Juan Liu</b>, for the paper co-authored with <b>Pierre Moulin</b> entitled, Information-Theoretic Analysis of Interscale and Intrascale Dependencies Between Image Wavelet Coefficients, <i>IEEE Transactions on Image Processing</i>, Volume 10, Number 11, November 2001.</p> <p><b>Shawn Kraut</b>, for the paper co-authored with <b>Louis L. Scharf</b> and <b>L. Todd McWhorter</b> entitled, Adaptive Subspace Detectors, <i>IEEE Transactions on Signal Processing</i>, Volume 49, Number 1, January 2001.</p> <p><b>Geert Leus</b> and <b>Piet Vandaele</b>, for the paper co-authored with <b>Marc Moonen</b> entitled, Deterministic Blind Modulation-Induced Source Separation for Digital Wireless Communications, <i>IEEE Transactions on Signal Processing</i>, Volume 49, Number 1, January 2001.</p>
2001	<p><b>S. Basu</b>, for the paper co-authored with <b>Yoram Bresler</b> entitled, <math>O(N^2 \log_2 mN)</math> Filtered Backprojection Reconstruction Algorithm for Tomography, <i>IEEE Transactions on Image Processing</i>, Volume 9, Number 10, October 2000.</p> <p><b>Helmut Bölcskei</b>, for the paper co-authored <b>Franz Hlawatsch</b> and <b>Hans G. Feichtinger</b> entitled, Frame-Theoretic Analysis of Oversampled Filter Banks, <i>IEEE Transactions on Signal Processing</i>, Volume 46, Number 12, December 1998.</p> <p><b>Aleksandra Mojsilovic</b>, for the paper co-authored with <b>Jelena Kovacevic</b>, <b>Jianning Hu</b>, <b>Robert J. Safranek</b> and <b>S. Kicha Ganapathy</b> entitled, Matching and Retrieval Based on the Vocabulary and Grammar of Color Patterns, <i>IEEE Transactions on Image Processing</i>, Volume 9, Number 1, January 2000.</p>
2000	<p><b>Qing Zhao</b>, for the paper co-authored with <b>Lang Tong</b> entitled, Adaptive Blind Channel Estimation by Least Squares Smoothing, <i>IEEE Transactions on Signal Processing</i>, Volume 47, Number 11, November 1999.</p> <p><b>David Astély</b>, for the paper co-authored with <b>A. Lee Swindlehurst</b> and <b>Bjorn Ottersten</b> entitled, Spatial Signature Estimation for Uniform Linear Arrays with Unknown Receiver Gains and Phases, <i>IEEE Transactions on Signal Processing</i>, Volume 47, Number 8, August 1999.</p> <p><b>Matthew Crouse</b> and <b>Robert D. Nowak</b>, for the paper co-authored with <b>Richard G. Baraniuk</b> entitled, Wavelet-Based Statistical Signal Processing Using Hidden Markov Models, <i>IEEE Transactions on Signal Processing</i>, Volume 46, Number 4, April 1998.</p> <p><b>Vassilis D. Diakouloukas</b>, for the paper co-authored with <b>Vassilios V. Digalakis</b> entitled, Maximum-Likelihood Stochastic-Transformation Adaptation of Hidden Markov Models, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 7, Number 2, March 1999.</p>
1999	<p><b>Geoffrey M. Davis</b>, for the paper entitled, A Wavelet-Based Analysis of Fractal Image Compression, <i>IEEE Transactions on Image Processing</i>, Volume 7, Number 2, February 1998.</p> <p><b>Christ D. Richmond</b>, for the paper entitled, Derived PDF of Maximum Likelihood Signal Estimator Which Employs an Estimated Noise Covariance, <i>IEEE Transactions on Signal Processing</i>, Volume 44, Number 2, February 1996.</p> <p><b>Lutz Welling</b>, for the paper co-authored with <b>Hermann Ney</b> entitled, Formant Estimation for Speech Recognition, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 6, Number 1, January 1998.</p> <p><b>Li Lee</b>, for the paper co-authored with <b>Richard Rose</b> entitled, A Frequency warping Approach to Speaker Normalization, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 6, Number 1, January 1998.</p>

1998	<p><b>P. Charbonnier</b>, for the paper co-authored with <b>L. Blanc-Féraud</b>, <b>G. Aubert</b> and <b>M. Barlaud</b> entitled, Deterministic Edge-Preserving Regularization in Computed Imaging, <i>IEEE Transactions on Image Processing</i>, Volume 6, Number 2, February 1997.</p> <p><b>Tsung-Nan Lin</b>, for the paper co-authored with <b>C. Lee Giles</b>, <b>Bill G. Horne</b>, and <b>Sun-Yuan Kung</b> entitled, A Delay Damage Model Selection Algorithm for NARX Neural Networks, <i>IEEE Transactions on Signal Processing</i>, Volume 45, Number 11, November 1997.</p> <p><b>Michail K. Tsatsanis</b>, for the paper co-authored with <b>Georgios B. Giannakis</b> entitled, Principal Component Filter Banks for Optimal Multiresolution Analysis, <i>IEEE Transactions on Signal Processing</i>, Volume 43, Number 8, August 1995.</p>
1997	<p><b>Avideh Zakhor</b>, for the paper co-authored with <b>Søren Hein</b> entitled, Reconstruction of Oversampled Band-Limited Signals from Sigma-Delta Encoded Binary Sequences, <i>IEEE Transactions on Signal Processing</i>, Volume 42, Number 4, April 1994.</p> <p><b>Mark J. F. Gales</b>, for the paper co-authored with <b>Steve Young</b> entitled, Robust Continuous Speech Recognition Using Parallel Model Combination, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 4, Number 5, September 1996.</p> <p><b>Alle-Jan van der Veen</b>, for the paper co-authored with <b>Arogyaswami Paulraj</b> entitled, An Analytical Constant Modulus Algorithm, <i>IEEE Transactions on Signal Processing</i>, Volume 44, Number 5, May 1996.</p>
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