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2017	<p>Aliaksei Sandryhaila and José M. F. Moura, for the paper entitled, Discrete Signal Processing on Graphs, <i>IEEE Transactions on Signal Processing</i>, Volume 61, No. 7, April 2013.</p> <p>Stamatios Lefkimmiatis, Aurélien Bourquard, and Michael Unser, for the paper entitled, Hessian-Based Norm Regularization for Image Restoration With Biomedical Applications, <i>IEEE Transactions on Image Processing</i>, Volume 21, No. 3, March 2012.</p> <p>Vincent Christlein, Christian Riess, Johannes Jordan, Corinna Riess, and Elli Angelopoulou, for the paper entitled, An Evaluation of Popular Copy-Move Forgery Detection Approaches, <i>IEEE Transactions on Information Forensics and Security</i>, Volume 7, No. 6, December 2012.</p> <p>Ulugbek S. Kamilov, Vivek K Goyal, and Sundeep Rangan, for the paper entitled, Message-Passing De-Quantization With Applications to Compressed Sensing, <i>IEEE Transactions on Signal Processing</i>, Volume 60, No. 12, December 2012.</p> <p>Foad Sahrabi and Wei Yu, for the paper entitled, Hybrid Digital and Analog Beamforming Design for Large-Scale Antenna Arrays, <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 10, No. 3, April 2016.</p> <p>Nasser Mohammadiha, Paris Smaragdis, and Arne Leijon, for the paper entitled, Supervised and Unsupervised Speech Enhancement Using Nonnegative Matrix Factorization, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 21, No. 10, October 2013.</p>
2016	<p>Cees H. Taal, Richard C. Hendriks, Richard Heusdens and Jesper Jensen, for the paper entitled, An Algorithm for Intelligibility Prediction of Time-Frequency Weighted Noisy Speech, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 19, No. 7, September 2011.</p> <p>Jun Yu, Yong Rui and Dacheng Tao, for the paper entitled, Click Prediction for Web Image Reranking Using Multimodal Sparse Coding, <i>IEEE Transactions on Image Processing</i>, Volume 23, Number 5, May 2014.</p> <p>Chin Keong Ho and Rui Zhang, for the paper entitled, Optimal Energy Allocation for Wireless Communications With Energy Harvesting Constraints, <i>IEEE Transactions on Signal Processing</i>, Volume 60, No. 9, September 2012.</p> <p>Ossama Abdel-Hamid, Abdel-rahman Mohamed, Hui Jiang, Li Deng, Gerald Penn and Dong Yu, for the paper entitled, Convolutional Neural Networks for Speech Recognition, <i>IEEE/ACM Transactions on Audio, Speech, and Language Processing</i>, Volume 22, No. 10, October 2014.</p> <p>Jason T. Parker, Philip Schniter and Volkan Cevher, for paper entitled, 2 Part Paper: Bilinear Generalized Approximate Message Passing—Part I: Derivation and Part II: Applications, <i>IEEE Transactions on Signal Processing</i>, Volume 62, No. 22, November 2014.</p>

2015	<p>Alexey Ozerov and Cédric Févotte, for the paper entitled, Multichannel Nonnegative Matrix Factorization in Convolutional Mixtures for Audio Source Separation, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 18, Number 3, March 2010.</p> <p>Chunming Li, Chenyang Xu, Changfeng Gui and Martin D. Fox, for the paper entitled, Distance Regularized Level Set Evolution and Its Application to Image Segmentation, <i>IEEE Transactions on Image Processing</i>, Volume 19, Number 12, December 2010.</p> <p>Junil Choi, David J. Love and Patrick Bidigare, for the paper entitled, Downlink Training Techniques for FDD Massive MIMO Systems: Open-Loop and Closed-Loop Training With Memory, <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 8, Number 5, October 2014.</p> <p>Xiaoyang Tan and Bill Triggs, for the paper entitled, Enhanced Local Texture Feature Sets for Face Recognition Under Difficult Lighting Conditions, <i>IEEE Transactions on Image Processing</i>, Volume 19, Number 6, June 2010.</p> <p>Tomás Pevný, Patrick Bas and Jessica Fridrich, for the paper entitled, Steganalysis by Subtractive Pixel Adjacency Matrix, <i>IEEE Transactions on Information Forensics and Security</i>, Volume 5, Number 2, June 2010.</p> <p>Mark A. Davenport, Petros T. Boufounos, Michael B. Wakin and Richard G. Baraniuk, for the paper entitled, Signal Processing With Compressive Measurements, <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 4, Number 2, April 2010.</p> <p>Moshe Mishali and Yonina C. Eldar, for the paper entitled, From Theory to Practice: Sub-Nyquist Sampling of Sparse Wideband Analog Signals, <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 4, Number 2, April 2010.</p>
2015 Cont.	<p>Chunming Li, Chenyang Xu, Changfeng Gui and Martin D. Fox, for the paper entitled, <i>Distance Regularized Level Set Evolution and Its Application to Image Segmentation</i>, <i>IEEE Transactions on Image Processing</i>, Volume 19, Number 12, December 2010.</p>
2014	<p>Namrata Vaswani and Wei Lu, for the paper entitled, Modified-CS: Modifying Compressive Sensing for Problems With Partially Known Support, <i>IEEE Transactions on Signal Processing</i>, Volume 58, Number 9, September 2010.</p> <p>Hiroshi Sawada, Shoko Araki and Shoji Makino, for the paper entitled, Underdetermined Convolutional Blind Source Separation via Frequency Bin-Wise Clustering and Permutation Alignment, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 19, Number 3, March 2011.</p> <p>Rony Ferzli and Lina J. Karam, for the paper entitled, A No-Reference Objective Image Sharpness Metric Based on the Notion of Just Noticeable Blur (JNB), <i>IEEE Transactions on Image Processing</i>, Volume 18, Number 4, April 2009.</p> <p>Federico S. Cattivelli and Ali H. Sayed, for the paper entitled, Diffusion LMS Strategies for Distributed Estimation, <i>IEEE Transactions on Signal Processing</i>, Volume 58, Number 3, March 2010.</p> <p>Stefania Sardellitti, Jr., Massimiliano Giona and Sergio Barbarossa, for paper entitled, Fast Distributed Average Consensus Algorithms Based on Advection-Diffusion Processes, <i>IEEE Transactions on Signal Processing</i>, Volume 58, Number 2, February 2010.</p> <p>Alexey Ozerov and Cédric Févotte, for the paper entitled, Multichannel Nonnegative Matrix Factorization in Convolutional Mixtures for Audio Source Separation, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 18, Number 3, March 2010.</p>

2013	<p>Chunming Li, Chiu-Yen Kao, John C. Gore and Zhaohua Ding, Minimization of Region-Scalable Fitting Energy for Image Segmentation, <i>IEEE Transactions on Image Processing</i>, Volume 17, Number 10, October 2008.</p> <p>Amir Beck, Petre Stoica and Jian Li, for the paper entitled, Exact and Approximate Solutions of Source Localization Problems, <i>IEEE Transactions on Signal Processing</i>, Volume 56, Number 5, May 2008.</p> <p>George Dahl, Dong Yu, Li Deng and Alex Acero, for the paper entitled, Context-Dependent Pre-Trained Deep Neural Networks for Large-Vocabulary Speech Recognition, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 20, Number 1, January 2012.</p> <p>Matthew Herman and Thomas Strohmer, High-Resolution Radar via Compressed Sensing, <i>IEEE Transactions on Signal Processing</i>, Volume 57, Number 6, June 2009.</p> <p>Robert Heath, Jr., Tao Wu, Young Hoon Kwon and Anthony Soong, Multiuser MIMO in Distributed Antenna Systems with Out-of-Cell Interference, <i>IEEE Transactions on Signal Processing</i>, Volume 59, Number 10, October 2011.</p> <p>Chunming Li, Chiu-Yen Kao, John C. Gore and Zhaohua Ding, Minimization of Region-Scalable Fitting Energy for Image Segmentation, <i>IEEE Transactions on Image Processing</i>, Volume 17, Number 10, October 2008.</p>
2012	<p>Robert Wilson, David Tse and Robert A. Scholtz, for the paper entitled, Channel Identification: Secret Sharing Using Reciprocity in Ultrawideband Channels <i>IEEE Transactions on Information Forensics and Security</i>, Volume 2, Number 3, September 2007.</p> <p>Yagiz Sutcu, Qiming Li and Nasir Memon, for the paper entitled, Protecting Biometric Templates with Sketch: Theory and Practice <i>IEEE Transactions on Information Forensics and Security</i>, Volume 2, Number 3, September 2007.</p> <p>Zhi Quan, Shuguang Cui and Ali H. Sayed, for the paper entitled, Optimal Linear Cooperation for Spectrum Sensing in Cognitive Radio Networks <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 2, Number 1, February 2008.</p> <p>Seung-Jean Kim, Kwangmoo Koh, Michael Lustig, Stephen Boyd and Dimitry Gorinevsky, for the paper entitled, An Interior-Point Method for Large-Scale l_1 Regularized Least Squares <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 1, Number 4, December 2007.</p> <p>David P. Wipf and Bhaskar D. Rao, for An Empirical Bayesian Strategy for Solving the Simultaneous Sparse Approximation Problem <i>IEEE Transaction on Signal Processing</i>, Volume 55, Number 7, July 2007.</p> <p>Robert Wilson, David Tse and Robert A. Scholtz for Channel Identification: Secret Sharing Using Reciprocity in Ultrawideband Channels <i>IEEE Transactions on Information Forensics and Security</i>, Volume 2, Number 3, September 2007.</p> <p>Yagiz Sutcu, Qiming Li and Nasir Memon for Protecting Biometric Templates with Sketch: Theory and Practice <i>IEEE Transactions on Information Forensics and Security</i>, Volume 2, Number 3, September 2007.</p> <p>Tuomas Virtanen, for the paper entitled, Monaural Sound Source Separation by Nonnegative Matrix Factorization with Temporal Continuity and Sparse Criteria, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 15, Number 3, March 2007.</p>

2011	<p>Scott C. Douglas, for the paper entitled, Fast Implementations of the Filtered-X LMS and LMS Algorithms for Multichannel Active Noise Control, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 7, Number 4, July 1999.</p> <p>Tanya Ignatenko and Frans M. J. Willems, for the paper entitled, Biometric Systems: Privacy and Secrecy Aspects, <i>IEEE Transactions on Information Forensics and Security</i>, Volume 4, Number 4, December 2009.</p> <p>Stephen J. Wright, Robert D. Nowak and Mário A. T. Figueiredo, for the paper entitled, Sparse Reconstruction by Separable Approximation, <i>IEEE Transactions on Signal Processing</i>, Volume 57, Number 7, July 2009.</p> <p>Nicholas D. Sidiropoulos, Timothy N. Davidson and Zhi-Quan (Tom) Luo, for the paper entitled, Transmit Beamforming for Physical-Layer Multicasting, <i>IEEE Transactions on Signal Processing</i>, Volume 54, Number 6, June 2006.</p> <p>Pengfei Xia and Georgios B. Giannakis, for the paper entitled, Design and Analysis of Transmit-Beamforming based on Limited-Rate Feedback, <i>IEEE Transactions on Signal Processing</i>, Volume 54, Number 5, May 2006.</p>
2010	<p>Hiroyuki Takeda, Sina Farsiu and Peyman Milanfar, for the paper entitled, Kernel Regression for Image Processing and Reconstruction <i>IEEE Transactions on Image Processing</i>, Volume 16, Number 2, February 2007.</p> <p>Tülay Adali, Hualiang Li, Mike Novey and Jean-François Cardoso, for the paper entitled, Complex ICA Using Nonlinear Functions <i>IEEE Transactions on Signal Processing</i>, Volume 56, Number 9, September 2008.</p> <p>Siwei Lyu and Hany Farid, for the paper entitled, Steganalysis Using Higher-Order Image Statistics <i>IEEE Transactions on Information Forensics and Security</i>, Volume 1, Number 1, March 2006.</p> <p>Dmitry Malioutov, Müjdat Çetin and Alan S. Willsky, for the paper entitled, A Sparse Signal Reconstruction Perspective for Source Localization With Sensor Arrays <i>IEEE Transactions on Signal Processing</i>, Volume 53, Number 8, August 2005.</p> <p>Steven Thomas Smith, for the paper entitled, Statistical Resolution Limits and the Complexified Cramér-Rao Bound <i>IEEE Transactions on Signal Processing</i>, Volume 53, Number 5, May 2005.</p> <p>Jeremy Morris and Eric Fosler-Lussier, for the paper entitled, Conditional Random Fields for Integrating Local Discriminative Classifiers <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 16, Number 3, March 2008.</p>

2009	<p>Zhou Wang, Alan Conrad Bovik, Hamid Rahim Sheikh and Eero P. Simoncelli, for the paper entitled, Image Quality Assessment: From Error Visibility to Structural Similarity, <i>IEEE Transactions on Image Processing</i>, Volume 13, Number 4, April 2004.</p> <p>Jan Lukáš, Jessica Fridrich and Miroslav Goljan, for the paper entitled, Digital Camera Identification From Sensor Pattern Noise, <i>IEEE Transactions on Information Forensics and Security</i>, Volume 1, Number 2, June 2006.</p> <p>Quentin H. Spencer, A. Lee Swindlehurst and Martin Haardt, for the paper entitled, Zero-Forcing Methods for Downlink Spatial Multiplexing in Multiuser MIMO Channels, <i>IEEE Transactions on Signal Processing</i>, Volume 52, Number 2, February 2004.</p> <p>Zhi-Quan (Tom) Luo and Shuzhong Zhang, for the paper entitled, Dynamic Spectrum Management: Complexity and Duality, <i>IEEE Journal of Selected Topics in Signal Processing</i>, Volume 2, Number 1, February 2008.</p> <p>Genyuan Wang and Moeness G. Amin, for the paper entitled, Imaging Through Unknown Walls Using Different Standoff Distances, <i>IEEE Transactions on Signal Processing</i>, Volume 54, Number 10, October 2006.</p> <p>Chul Min Lee and Shrikanth S. Narayanan, for the paper entitled, Toward Detecting Emotions in Spoken Dialogs, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 13, Number 2, March 2005.</p>
2008	<p>Javier Portilla, Vasily Strela, Martin J. Wainwright and Eero P. Simoncelli, for the paper entitled, Image Denoising Using Scale Mixtures of Gaussians in the Wavelet Domain, <i>IEEE Transactions on Image Processing</i>, Volume 12, Number 11, November 2003.</p> <p>Wei Yu and Tian Lan, for the paper entitled, Transmitter Optimization for the Multi-Antenna Downlink With Per-Antenna Power Constraints, <i>IEEE Transactions on Signal Processing</i>, Volume 55, Number 6, June 2007.</p> <p>Giuseppe Riccardi and Dilek Hakkani-Tür, for the paper entitled, Active Learning: Theory and Applications to Automatic Speech Recognition, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 13, Number 4, July 2005.</p> <p>Jingdong Chen, Jacob Benesty, Yiteng Huang and Simon Doclo, for the paper entitled, New Insights Into the Noise Reduction Wiener Filter, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 14, Number 4, July 2006.</p>
2007	<p>Jan Eriksson and Visa Koivunen, for the paper entitled, Identifiability, Separability, and Uniqueness of Linear ICA Models, <i>IEEE Signal Processing Letters</i>, Volume 11, Number 7, July 2004.</p> <p>Onur G. Guleryuz, for the paper entitled, Nonlinear Approximation Based Image Recovery Using Adaptive Sparse Reconstructions and Iterated Denoising - Part I: Theory, and Part II: Adaptive Algorithms, <i>IEEE Transactions on Image Processing</i>, Volume 15, Number 3, Part I and Part II, March 2006.</p> <p>Goran Dimić and Nicholas D. Sidiropoulos, for the paper entitled, On Downlink Beamforming With Greedy User Selection: Performance Analysis and a Simple New Algorithm, <i>Transactions on Signal Processing</i>, Volume 53, Number 10, October 2005.</p> <p>Holger Boche and Martin Schubert, for the paper entitled, Resource Allocation in Multiantenna Systems - Achieving Max-Min Fairness by Optimizing a Sum of Inverse SIR, <i>IEEE Transactions on Signal Processing</i>, Volume 54, Number 6, Part I, June 2006.</p> <p>Hong-Kwang Jeff Kuo and Yuqing Gao, for the paper entitled, Maximum Entropy Direct Models for Speech Recognition, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 14, Number 3, May 2006.</p> <p>Ashish Aggarwal, Shankar L. Regunathan and Kenneth Rose, for the paper entitled, Efficient Bit-Rate Scalability for Weighted Squared Error Optimization in Audio Coding, <i>IEEE Transactions on Audio, Speech, and Language Processing</i>, Volume 14, Number 4, July 2006.</p>

2006	<p>Dinggang Shen and Christos Davatzikos, for the paper entitled, HAMMER: Hierarchical Attribute Matching Mechanism for Elastic Registration, <i>IEEE Transactions on Medical Imaging</i>, Volume 21, Number 11, November 2002.</p> <p>Richard J. Kozick and Brian M. Sadler, for the paper entitled, Source Localization with Distributed Sensor Arrays and Partial Spatial Coherence, <i>IEEE Transactions on Signal Processing</i>, Volume 52, Number 3, March 2004.</p> <p>Eduard A. Jorswieck and Holger Boche, for the paper entitled, Optimal Transmission Strategies and Impact of Correlation in Multiantenna Systems with Different Types of Channel State Information, <i>IEEE Transactions on Signal Processing</i>, Volume 52, Number 12, December 2004.</p> <p>Martin Vetterli, Pina Marziliano and Thierry Blu, for the paper entitled, Sampling Signals with Finite Rate of Innovation, <i>IEEE Transactions on Signal Processing</i>, Volume 50, Number 6, June 2002.</p> <p>Gerald D. T. Schuller, Bin Yu, Dawei Huang and Bernd Edler for the paper entitled, Perceptual Audio Coding Using Adaptive Pre- and Post-Filters and Lossless Compression, <i>Transactions on Speech and Audio Processing</i>, Volume 10, Number 6, September 2002.</p>
2005	<p>Wade Trappe, Min Wu, Z. Jane Wang and K.J. Ray Liu, for the paper entitled, Anti-collusion Fingerprinting for Multimedia, <i>IEEE Transactions on Signal Processing</i>, Special Issue on Signal Processing for Data Hiding in Digital Media and Secure Content Delivery, Volume 51, Number 4, April 2003.</p> <p>Wade Trappe, Min Wu, Z. Jane Wang and K.J. Ray Liu, for the paper entitled, Anti-collusion Fingerprinting for Multimedia, <i>IEEE Transactions on Signal Processing</i>, Special Issue on Signal Processing for Data Hiding in Digital Media and Secure Content Delivery, Volume 51, Number 4, April 2003.</p> <p>A. Lee Swindlehurst and Geert Leus, for the paper entitled, Blind and Semi-Blind Equalization for Generalized Space-Time Block Codes, <i>IEEE Transactions on Signal Processing</i>, Volume 50, Number 10, October 2002.</p> <p>Roberto López-Valcarce, for the paper entitled, Realizable Linear and Decision Feedback Equalizers: Properties and Connections, <i>IEEE Transactions on Signal Processing</i>, Volume 52, Number 3, March 2004.</p> <p>Shrikanth Narayanan and Alexandros Potamianos, for the paper entitled, Creating Conversational Interfaces for Children, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 10, Number 2, February 2002.</p>

2004	<p>Kenneth Rose and Shankar L. Regunathan, for the paper entitled, Toward Optimality in Scalable Predictive Coding, <i>IEEE Transactions on Image Processing</i>, Volume 10, Number 7, July 2001.</p> <p>Sergiy A. Vorobyov, Alex B. Gershman and Zhi-Quan Luo, for the paper entitled, Robust Adaptive Beamforming Using Worst-Case Performance Optimization: A Solution to the Signal Mismatch Problem, <i>IEEE Transactions on Signal Processing</i>, Volume 51, Number 2, February 2003.</p> <p>Min Dong and Lang Tong, for the paper entitled, Optimal Design and Placement of Pilot Symbols for Channel Estimation, <i>IEEE Transactions on Signal Processing</i>, Volume 50, Number 12, December 2002.</p> <p>Enrico Bocchieri and Brian Kan-Wing Mak, for the paper entitled, Subspace Distribution Clustering Hidden Markov Model, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 9, Number 3, March 2001.</p>
2003	<p>Tony F. Chan and Luminita A. Vese, for the paper entitled, Active Contours Without Edges, <i>IEEE Transactions on Image Processing</i>, Volume 10, Number 2, February 2001.</p> <p>Jean-Jacques Fuchs, for the paper entitled, On the Application of the Global Matched Filter to DOA Estimation with Uniform Circular Arrays, <i>IEEE Transactions on Signal Processing</i>, Volume 49, Number 4, April 2001.</p> <p>Jaume Riba, Josep Sala and Gregori Vázquez, for the paper entitled, Conditional Maximum Likelihood Timing Recovery: Estimators and Bounds, <i>IEEE Transactions on Signal Processing</i>, Volume 49, Number 4, April 2001.</p> <p>Thierry Blu and Michael Unser, for the paper entitled, Wavelets, Fractals, and Radial Basis Functions, <i>IEEE Transactions on Signal Processing</i>, Volume 50, Number 3, March 2002.</p>
2002	<p>Michail K. Tsatsanis, Ruifeng Zhang and Subrata Banerjee, for the paper entitled, Network-Assisted Diversity for Random Access Wireless Networks, <i>IEEE Transactions on Signal Processing</i>, Volume 48, Number 3, March 2000.</p> <p>Vitor H. Nascimento and Ali H. Sayed, for the paper entitled, On the Learning Mechanism of Adaptive Filters, <i>IEEE Transactions on Signal Processing</i>, Volume 48, Number 6, June 2000.</p> <p>Mark J. F. Gales, for the paper entitled, Semi-Tied Covariance Matrices for Hidden Markov Models, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 7, Number 3, May 1999.</p> <p>Scott C. Douglas, for the paper entitled, Fast Implementations of the Filtered-X LMS and LMS Algorithms for Multichannel Active Noise Control, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 7, Number 4, July 1999.</p>

2001	<p>David Taubman, for the paper entitled, High Performance Scalable Image Compression with EBCOT, <i>IEEE Transactions on Image Processing</i>, Volume 9, Number 7, July 2000.</p> <p>Guido M. Schuster and Aggelos K. Katsaggelos, for the paper entitled, An Optimal Polygonal Boundary Encoding Scheme in the Rate Distortion Sense, <i>IEEE Transactions on Image Processing</i>, Volume 7, Number 1, January 1998.</p> <p>Nicholas D. Sidiropoulos, Rasmus Bro and Georgios B. Giannakis, for the paper entitled, Parallel Factor Analysis in Sensor Array Processing, <i>IEEE Transactions on Signal Processing</i>, Volume 48, Number 8, August 2000.</p> <p>Jacob Benesty, Dennis R. Morgan and Man Mohan Sondhi, for the paper entitled, A Better Understanding and an Improved Solution to the Specific Problems of Stereophonic Acoustic Echo Cancellation, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 6, Number 2, March 1998.</p>
2000	<p>Anna Scaglione, Georgios B. Giannakis and Sergio Barbarossa, for the paper entitled, Redundant Filterbank Precoders and Equalizers, Part I and II, <i>IEEE Transactions on Signal Processing</i>, Volume 47, Number 7, July 1999.</p> <p>Makund Padmanabhan, Lalit R. Bahl and David Nahamoo, for the paper entitled, Partitioning the Feature Space of a Classifier with linear Hyperplanes, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 7, Number 3, May 1999.</p>
1999	<p>Ingemar J. Cox, Joe Kilian, F. Thompson Leighton and Talal Shamon, for the paper entitled, Secure Spread Spectrum Watermarking for Multimedia, <i>IEEE Transactions on Image Processing</i>, Volume 6, Number 12, December 1997.</p> <p>Johan A. K. Suykens, Joos Vandewalle and Bart L. R. De Moor, for the paper entitled, NLq Theory: Checking and Imposing Stability of Recurrent Neural Networks for Nonlinear Modeling, <i>IEEE Transactions on Signal Processing</i>, Volume 45, Number 11, November 1997.</p> <p>Petre Stoica and Mats Viberg, for the paper entitled, Maximum Likelihood Parameter and Rank Estimation in Reduced-Rank Multivariate Linear Regressions, <i>IEEE Transactions on Signal Processing</i>, Volume 44, Number 12, December 1996.</p> <p>Mari Ostendorf, Vassilios V. Digalakis and Owen A. Kimball, for the paper entitled, From MM's to segment models: A Unified View of Stochastic Modeling for Speech Recognition, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 4, Number 5, September 1996.</p>
1998	<p>A. Said and W. A. Pearlman, for the paper entitled, An Image Multiresolution Representation for Lossless and Lossy Compression, <i>IEEE Transactions on Image Processing</i>, Volume 5, Number 9, September 1996.</p> <p>Shun-ichi Amari and Jean-François Cardoso, for the paper entitled, Blind Source Separation - Semiparametric Statistical Approach, <i>IEEE Transactions on Signal Processing</i>, Volume 45, Number 11, November 1997.</p> <p>R. A. Sukkar and C.-H. Lee, for the paper entitled, Vocabulary Independent Discriminative Utterance Verification for Nonkeyword Rejection in Subword Based Speech Recognition, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 4, Number 6, November 1996.</p> <p>Alfred O. Hero, III, Jeffrey A. Fessler and Mohammad Usman, for the paper entitled, Exploring Estimator Bias-Variance Tradeoffs Using the Uniform CR Bound, <i>IEEE Transactions on Signal Processing</i>, Volume 44, Number 8, August 1996.</p>

1997	<p>Pierre Moulin, for the paper entitled, A Multiscale Relaxation Algorithm for SNR Maximization in Nonorthogonal Subband Coding, <i>IEEE Transactions on Image Processing</i>, Volume 4, Number 9, September 1995.</p> <p>Alan V. McCree and Thomas P. Barnwell, III, for the paper entitled, A Mixed Excitation LPC Vocoder Model for Low Bit Rate Speech Coding, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 3, Number 4, July 1995.</p> <p>Eric Moulines, Pierre Duhamel, Jean-François Cardoso and Sylvie Mayrargue, for the paper entitled, Subspace Methods for the Blind Identification of Multichannel FIR Filters, <i>IEEE Transactions on Signal Processing</i>, Volume 43, Number 2, February 1995.</p>
1996	<p>Balas K. Natarajan, for the paper entitled, Filtering Random Noise from Deterministic Signals via Data Compression, <i>IEEE Transactions on Signal Processing</i>, Volume 43, Number 11, November 1995.</p> <p>Kannan Ramchandran and Martin Vetterli, for the paper entitled, Best Wavelet Packet Bases in a Rate-Distortion Sense, <i>IEEE Transactions on Image Processing</i>, Volume 2, Number 2, April 1993.</p> <p>Sun-Yuan Kung, K. I. Diamantaras and J. S. Taur, for the paper entitled, Adaptive Principal Component Extraction (APEX) and Applications, <i>IEEE Transactions on Signal Processing</i>, Volume 42, Number 5, May 1994.</p> <p>Jean-Luc Gauvain and Chin-Hui Lee, for the paper entitled, Maximum <i>a Posteriori</i> Estimation for Multivariate Gaussian Mixture Observations of Markov Chains, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 2, Number 2, April 1994.</p>
1995	<p>Michael Unser, Akram Aldroubi and Murray Eden, for the paper entitled, B-Spline Signal Processing: Part I - Theory, <i>IEEE Transactions on Signal Processing</i>, Volume 41, Number 2, February 1993.</p> <p>Jenq-Neng Hwang, Shyh-Rong Lay and Alan Lippman, for the paper entitled, Nonparametric Multivariate Density Estimation: A Comparative Study, <i>IEEE Transactions on Signal Processing</i>, Volume 42, Number 10, October 1994.</p> <p>Kuldip K. Paliwal and Bishnu S. Atal, for the paper entitled, Efficient Vector Quantization of LPC Parameters at 24 Bits/Frame, <i>IEEE Transactions on Speech and Audio Processing</i>, Volume 1, Number 1, January 1993.</p>
1994	<p>Petros Maragos, James F. Kaiser and Thomas F. Quatieri, for the paper entitled, Energy Separation in Signal Modulations with Application to Speech Analysis, <i>IEEE Transactions on Signal Processing</i>, Volume 41, Number 10, October 1993.</p> <p>Chin-Hui Lee, Chih-Heng Lin and Biing-Hwang Juang, for the paper entitled, A Study on Speaker Adaptation of the Parameters of Continuous Density Hidden Markov Models, <i>IEEE Transactions on Signal Processing</i>, Volume 39, Number 4, April 1991.</p> <p>Phu D. Hoang and Jan M. Rabaey, for the paper entitled, Scheduling of DSP Programs onto Multiprocessors for Maximum Throughput, <i>IEEE Transactions on Signal Processing</i>, Volume 41, Number 6, June 1993.</p>

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