

IEEE Signal Processing Society Sustained Impact Paper Award

The IEEE Signal Processing Society Sustained Impact Paper Award shall honor the author(s) of a journal article of broad interest that has had sustained impact over many years on a subject related to the Society's technical scope.

2022	Petre Stoica and Arye Nehorai , for "MUSIC, Maximum Likelihood, and Cramer-Rao Bound", <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , vol. 37, no. 5, May 1989.
2021	Mike Schuster and Kuldip K. Paliwal , for "Bidirectional Recurrent Neural Networks", <i>IEEE Transactions on Signal Processing</i> , vol. 45, no. 11, November 1997.
2020	Yariv Ephraim and David Malah , for "Speech Enhancement Using a Minimum Mean Square Error Short-Time Spectral Amplitude Estimator", <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , vol. 32, no. 6, December 1984.
2019	Hamid Krim and Mats Viberg , for "Two Decades of Array Signal Processing Research: The Parametric Approach", <i>IEEE Signal Processing Magazine</i> , Volume 13, No. 4, July 1996.
2018	Michal Aharon, Michael Elad, and Alfred Bruckstein , for "K-SVD: An Algorithm for Designing Overcomplete Dictionaries for Sparse Representation", <i>IEEE Transactions on Signal Processing</i> , vol. 54, no. 11, November 2006.
2017	Richard Roy and Thomas Kailath , for the paper entitled, ESPRIT-Estimation of Signal Parameters Via Rotational Invariance Techniques, <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , Volume 37, No. 7, July 1989.
2016	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, No. 4, April 2004.
2015	Ingemar J. Cox, Joe Kilian, F. Thomson Leighton and Talal Shamooh , for the paper entitled, Secure Spread Spectrum Watermarking for Multimedia, <i>IEEE Transactions on Image Processing</i> , Volume 6, Number 12, December 1997.
2014	Stephane G. Mallat and Zhifeng Zhang , for the paper entitled, Matching Pursuits With Time-Frequency Dictionaries, <i>IEEE Transactions on Signal Processing</i> , Volume 41, Number 12, December 1993.