

## **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.

<b>2023</b>	<b>Emmanuel Vincent, Rémi Gribonval, and Cédric Févotte</b> for "Performance Measurement in Blind Audio Source Separation", <i>IEEE Transactions on Audio, Speech, and Language Processing</i> , July 2006.
<b>2022</b>	<b>Petre Stoica and Arye Nehorai</b> , for "MUSIC, Maximum Likelihood, and Cramer-Rao Bound", <i>IEEE Transactions on Acoustics, Speech, and Signal Processing</i> , vol. 37, no. 5, May 1989.
<b>2021</b>	<b>Mike Schuster and Kuldip K. Paliwal</b> , for "Bidirectional Recurrent Neural Networks", <i>IEEE Transactions on Signal Processing</i> , vol. 45, no. 11, November 1997.
<b>2020</b>	<b>Yariv Ephraim and David Malah</b> , 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.
<b>2019</b>	<b>Hamid Krim and Mats Viberg</b> , for "Two Decades of Array Signal Processing Research: The Parametric Approach", <i>IEEE Signal Processing Magazine</i> , Volume 13, No. 4, July 1996.
<b>2018</b>	<b>Michal Aharon, Michael Elad, and Alfred Bruckstein</b> , 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.
<b>2017</b>	<b>Richard Roy and Thomas Kailath</b> , 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.
<b>2016</b>	<b>Zhou Wang, Alan Conrad Bovik, Hamid Rahim Sheikh and Eero P. Simoncelli</b> , 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.
<b>2015</b>	<b>Ingemar J. Cox, Joe Kilian, F. Thomson Leighton and Talal Shamoan</b> , for the paper entitled, Secure Spread Spectrum Watermarking for Multimedia, <i>IEEE Transactions on Image Processing</i> , Volume 6, Number 12, December 1997.
<b>2014</b>	<b>Stephane G. Mallat and Zhifeng Zhang</b> , for the paper entitled, Matching Pursuits With Time-Frequency Dictionaries, <i>IEEE Transactions on Signal Processing</i> , Volume 41, Number 12, December 1993.