signals

an Open Access Journal by MDPI

IMPACT FACTOR 2.6

CITESCORE 4.6

Signal Processing and Time-Frequency Analysis

Guest Editor:

Dr. Krzysztof Brzostowski
Faculty of Computer Science and Management, Wrocław University of Science and Technology, Wybrzeze Wyspianskiego 27, 50-370 Wroclaw, Poland

Deadline for manuscript submissions:
closed (30 June 2021)

Message from the Guest Editor

Dear colleagues,

Time-frequency analysis (TFA) is a set of signal processing methods, techniques, and algorithms based on two types of variables, i.e., time and frequency. It is an alternative to traditional approaches in which time or frequency is used independently.

TFA is an approach that works well with non-stationary signals. The Nonstationarity of the signal means that there is a time-dependency of the signal frequency spectrum. In time-frequency algorithms, the variables of time and frequency are not mutually exclusive but present together. It is an important feature of the TFA that helps analyze non-stationary signals.

One of the most frequently used methods of time-frequency analysis is a short-time Fourier transform. The idea behind this method is to apply the Fourier transform to a portion of the signal.

Over recent years, the researcher proposed many other TFA methods, i.e., wavelet transform, Gabor transform, Wigner-Ville distribution, and Hilbert-Huang transform to name a few...

signals

IMPACT FACTOR 2.6

CITESCORE 4.6

an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Santiago Marco
1. Department of Electronics and Biomedical Engineering, University of Barcelona, Marti I Franqués 1, 08028 Barcelona, Spain
2. Signal and Information Processing in Sensor Systems, Institute for Bioengineering of Catalonia, The Barcelona Institute of Science and Technology, Baldiri Rexac 10-12, 08028 Barcelona, Spain

Message from the Editor-in-Chief

Our primary goal is to encourage scientists and engineers to publish their theoretical results and developed methods in as much detail as possible. There is no limit to the maximum length of papers. Whenever possible, authors are encouraged to provide relevant data and developed code so that the results can be reproduced. Our goal is to provide a platform for scientists and engineers to share new approaches to signal processing in various application domains.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.
High Visibility: indexed within Scopus, ESCI (Web of Science), Inspec, and other databases.
Rapid Publication: manuscripts are peer-reviewed and a first decision is provided to authors approximately 22.9 days after submission; acceptance to publication is undertaken in 7.6 days (median values for papers published in this journal in the first half of 2025).

Contact Us

Signals Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/signals
signals@mdpi.com
𝕏@Signals_MDPI