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### DESCRIPTION

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*Digital Signal Processing: A Review Journal* is one of the oldest and most established journals in the field of **signal processing** yet it aims to be the most innovative. The Journal invites top quality research articles at the frontiers of research in all aspects of signal processing. Our objective is to provide a platform for the publication of ground-breaking research in signal processing with both **academic and industrial appeal**.

The journal has a special emphasis on **statistical signal processing** methodology such as **Bayesian** signal processing, and encourages articles on emerging applications of signal processing such as:

- big data
- machine learning
- internet of things
- information security
- systems biology and computational biology
- financial time series analysis
- autonomous vehicles
- quantum computing
- neuromorphic engineering
- human-computer interaction and intelligent user interfaces
- environmental signal processing
- geophysical signal processing including seismic signal processing
- chemioinformatics and bioinformatics
- audio, visual and performance arts
- disaster management and prevention
- renewable energy

We welcome also submissions in the fundamental areas such as information theory and on mathematical topics with potential applications in signal processing such as functional analysis, stochastic calculus, game theory and group theory. Papers in the classical application areas of signal processing such as telecommunications, speech, image and video processing are welcome only if they contain novel research into methodology. Purely application oriented articles in these areas should be submitted to the relevant dedicated journals.

*Digital Signal Processing: A Review Journal* also aims to publish quality review articles in addition to occasional focus issues with special emphasis on emerging topics. Discussion articles in which several leading researchers discuss the future of a specific research area are also welcome.

For details of the journal's speeds and other metrics, please visit our [Journal Insights](#) pages.

## IMPACT FACTOR

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2018: 2.792 © Clarivate Analytics Journal Citation Reports 2019

## ABSTRACTING AND INDEXING

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EBSCOhost  
Ei Compendex  
Gale Academic OneFile  
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## GUIDE FOR AUTHORS

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**To find out more, please visit the Preparation section below.**

### INTRODUCTION

*Digital Signal Processing* illuminates and explores the path of creativity in the field of signal processing. The journal publishes a diverse content of original research articles and reviews, covering new technologies, significant new programs, and breakthroughs in the field. Each article is critically peer-reviewed, ensuring top-quality research and information.

The journal is a time-saving aid to electronic engineers and to researchers, scientists, and corporate managers who want to keep abreast of vital research and information that is typically scattered among a number of separate publications.

*Digital signal processing*, a discipline that spans electrical engineering, computing, mathematics and the physical sciences, includes applications such as:

- Image processing
- Neural networks
- Pattern recognition
- Digital communications
- Biomedical applications
- Speech processing
- Underwater acoustics
- Radar signal processing
- Astronomy
- Geophysical data analysis

#### *Types of paper*

Papers published are categorized in the following disciplines:

- General methods (filters, filtering, etc.)
- Data Analysis
- Multichannel & multidimensional signal processing
- Speech and audio processing
- Image and multimedia processing
- Communications
- Implementation, design, and hardware
- Statistical signal processing
- Pattern recognition
- Information fusion
- Emerging techniques
- Education

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You can use this list to carry out a final check of your submission before you send it to the journal for review. Please check the relevant section in this Guide for Authors for more details.

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One author has been designated as the corresponding author with contact details:

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- Full postal address

All necessary files have been uploaded:

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- Include keywords
- All figures (include relevant captions)
- All tables (including titles, description, footnotes)
- Ensure all figure and table citations in the text match the files provided
- Indicate clearly if color should be used for any figures in print

*Graphical Abstracts / Highlights files* (where applicable)  
*Supplemental files* (where applicable)

Further considerations

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- Journal policies detailed in this guide have been reviewed
- Referee suggestions and contact details provided, based on journal requirements

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## **BEFORE YOU BEGIN**

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Please note that the instructions related to Abbreviations, Abstract, Graphical abstract, Highlights, Keywords, Math formulae and Vitae still apply to all new submissions. A short (maximum 100 words) biography of each author is required as a part of the new submission.

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Y. Remram, H. Timlelt, A. Belouchrani, Design and implementation of an acous-tic detection system of a moving sound source, in: Proceedings of the International Metrology Conference CAFMET, April2012, 2012.

D.P. Chusseau, M. Biron, S. Matharan, Light propeller aircraft noise study: experimental approach to identify the contribution of main sources, in: Proceedings of the Acoustics93, Southampton, UK, 1993.

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Divide the article into clearly defined sections.

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State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results.

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### *Theory/calculation*

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### *Results*

Results should be clear and concise.

### *Discussion*

This should explore the significance of the results of the work, not repeat them. A combined Results and Discussion section is often appropriate. Avoid extensive citations and discussion of published literature.

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The main conclusions of the study may be presented in a short Conclusions section, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

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Collate acknowledgements in a separate section at the end of the article before the references and do not, therefore, include them on the title page, as a footnote to the title or otherwise. List here those individuals who provided help during the research (e.g., providing language help, writing assistance or proof reading the article, etc.).

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List funding sources in this standard way to facilitate compliance to funder's requirements:

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- Use a logical naming convention for your artwork files.
- Indicate per figure if it is a single, 1.5 or 2-column fitting image.
- For Word submissions only, you may still provide figures and their captions, and tables within a single file at the revision stage.
- Please note that individual figure files larger than 10 MB must be provided in separate source files. A detailed [guide on electronic artwork](#) is available.

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