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DESCRIPTION

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,
- chemoinformatics 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.

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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

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- Speech and audio processing
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