



Journal of Signal and Information Processing





Journal Editorial Board

ISSN Print: 2159-4465 ISSN Online: 2159-4481

https://www.scirp.org/journal/jsip

.....

Editor-in-Chief

Prof. Baozong Yuan Beijing Jiaotong University, China

Executive Editor-in-Chief

Prof. Qiuqi Ruan Beijing Jiaotong University, China

Editorial Board

Prof. Photios AnninosDemocritus University of Thrace, GreeceProf. Roelof Kars BrouwerThompson Rivers University, CanadaDr. Binghua ChaiUniversity of Washington, USA

Dr. Wei-Ta ChuNational Chung Cheng University, Chinese Taipei

Dr. Jorge Manuel Miranda Dias University of Coimbra, Portugal

Prof. Javier Diaz-CarmonaInstituto Tecnologico de Celaya, MexicoDr. Sara L. GonzalezUniversity of Geneva, SwitzerlandDr. Yong HuThe University of Hong Kong, ChinaProf. Demongeot JacquesUniversity Hospital of Grenoble, France

Dr. Pierre JanninUniversity of Rennes I, FranceProf. Kamaruzaman JusoffUniversiti Putra Malaysia, MalaysiaProf. Byung-Gyu KimSunmoon University, South Korea

Prof. Vitaly Kober Centro de Investigación Científica y de Educación Superior de

Ensenada, Mexico

Dr. Hyun Jung Kwon Andrews University, USA

Prof. Jianwei MaHarbin Institute of Technology, ChinaProf. Ping-Feng PaiNational Chi Nan University, Chinese TaipeiProf. Siba Prasada PanigrahiC.V. Raman College of Engineering, India

Prof. Gwi-Tae Park

Prof. Steffen B. Petersen

Prof. Camillo Porcaro

Prof. Lotfi Senhadji

Korea University, South Korea
University of Aalborg, Denmark
University of Birmingham, UK
University of Rennes I, France

Prof. Mu-Chun SuNational Central University, Chinese TaipeiProf. Wei WuDalian University of Technology, China

Prof. Qin Xin Simula Research Lab, Norway

Prof. Jianhua Xu
Prof. Bo-Suk Yang
Prof. Lihua Yang
East China Normal University, China
Pukyong National University, South Korea
Sun Yat-sen (Zhongshan) University, China

Prof. Thomas Fang Zheng Tsinghua University, China



ISSN Online: 2159-4481 ISSN Print: 2159-4465

Table of Contents

Volume 10 Number 4	November 2019
An Adaptive EMD Technique for Induction Motor Fault Detection	
M. Mahmud, W. Wang	125
Perceptually Lossless Compression for Mastcam Multispectral Images: A Comparative Study	
C. Kwan, J. Larkin	139
Deep Learning Based Target Tracking and Classification for Infrared Video Compressive Measurements	os Using
C. Kwan, B. Chou, J. Yang, T. Tran.	167
Shadow Detection Method Based on HMRF with Soft Edges for High-Reso	lution
Remote-Sensing Images	
W. Y. Ge	200

Journal of Signal and Information Processing (JSIP) Journal Information

SUBSCRIPTIONS

The *Journal of Signal and Information Processing* (Online at Scientific Research Publishing, https://www.scirp.org/) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2019 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

http://creativecommons.org/licenses/by/4.0/

Copyright for individual papers of the journal:

Copyright © 2019 by author(s) and Scientific Research Publishing Inc.

Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

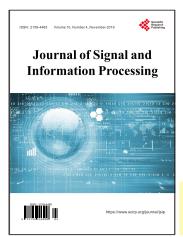
Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: jsip@scirp.org



Call for Papers

Journal of Signal and Information Processing

ISSN 2159-4465 (Print) ISSN 2159-4481 (Online)

https://www.scirp.org/journal/jsip

JSIP, a quarterly journal, dedicated to the latest advancement of signal and information processing. The goal of this journal is to keep a record of the state-of-the-art research and promote the research work in the areas.

Editor-in-Chief

Prof. Baozong Yuan Beijing Jiaotong University, China

Executive Editor-in-Chief

Prof. Qiuqi Ruan Beijing Jiaotong University, China

Subject Coverage

This journal invites original research and review papers that address the following issues in signal and information processing. Topics of interest are (but not limited to):

- ★Adaptive Filtering and Signal Processing
- **★**Adaptive Filters
- ★Array Signal Processing
- ★Artificial Intelligence and Neural Networks
- ★Chaos Theory in EEG Brain Signals
- ★Chaos Theory in MEG Brain Signals
- ★Communication Signal Processing
- ★Compressive Signal Processing and Sensing
- **★**Computed Imaging
- ★Computer Vision and Virtual Reality
- ★Digital Signal Processing (DSP)
- ★Filter Design and Structures
- ★Fuzzy System (including Fuzzy Control)
- ★Geophysical Signal Processing
- ★Hardware Implementation for Signal Processing
- ★Higher Order Spectral Analysis
- ★Image Filtering
- ★Image Processing and Understanding
- ★Information Fusion and Its Application
- ★MEG Signals Processing in Biomedical Research
- ★Multimedia and Human-Computer Interaction
- ★Non-Stationary Signal Analysis and Time-Frequency Analysis
- ★Optical Signal Processing, Pattern Recognition

- ★Optimization Problems in Signal Processing
- ★PDE for Image Processing
- ★Radar Signal Processing
- ★Remote Sensing
- ★Signal Application and Others
- ★Signal Processing for Bio-Informatics
- ★Signal Processing for Bio-Medical and Cognitive Science
- ★Signal Processing for Cognitive Radio
- ★Signal Processing for Internet, Wireless and Communications
- ★Signal Processing for Security
- ★Signal Processing for Sensor Networks
- ★Signal Reconstruction
- ★Sonar Signal Processing and Localization
- ★Sparse Transform and Compressed Sensing
- ★Spectrum Estimation and Modeling
- ★Speech and Audio Coding
- ★Speech Synthesis and Recognition
- ★Statistic Learning, Machine Learning and Pattern Recognition
- ★Statistical Analysis of Brain Signals after Transcranial Magnetic Stimulation
- ★TF Spectrum Analysis and Wavelet
- ★Underwater Signal Processing
- ★Video Compression and Streaming

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the JSIP.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

https://www.scirp.org/journal/jsip Email: jsip@scirp.org