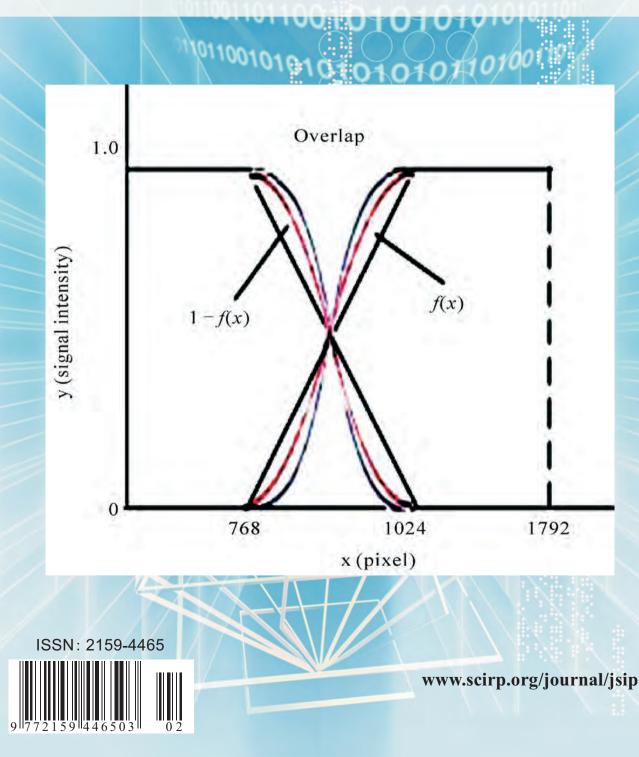
ISSN: 2159-4465 Vol.2, No.2, May 2011

# Journal of Signal and Information Processing

Scientific

Research



### **Journal Editorial Board**

ISSN Print: 2159-4465 ISSN Online: 2159-4481 http://www.scirp.org/journal/jsip

Editors-in-Chief Prof. Baozong Yuan	Beijing Jiaotong University, China
Executive Editor in Chief	
Prof. Qiuqi Ruan	Beijing Jiaotong University, China

#### **Editorial Board**

Prof. Photios Anninos Prof. Roelof Kars Brouwer Dr. Binghua Chai Dr. Wei-Ta Chu Dr. Jorge Manuel Miranda Dias Prof. Javier Diaz-Carmona Dr. Sara L. Gonzalez Dr. Cheng Tee Hiang Dr. Yong Hu Dr. Demongeot Jacques Dr. Pierre Jannin Prof. Vitaly Kober

Dr. Hyun Jung Kwon Dr. Jianwei Ma Prof. Ping-Feng Pai Prof. Gwi-Tae Park Prof. Steffen B. Petersen Dr. Camillo Porcaro Prof. Siba Prasada Panigrahi Prof. Lotfi Senhadji Prof. Mu-Chun Su Prof. Wei Wu Dr. Qin Xin Prof. Jianhua Xu Prof. Bo-Suk Yang Prof. Lihua Yang Prof. Thomas Fang Zheng Democritus University of Thrace, Greece Thompson Rivers University, Canada University of Washington, USA National Chung Cheng University, Taiwan (China) University of Coimbra, Portugal Instituto Tecnologico de Celaya, Mexico University of Geneva, Switzerland Nanyang Technological University, Singapore The University of Hong Kong, Hong Kong (China) The Laboratories TIMC-IMAG, France University of Rennes I, France Centrode Investigación Científica y de Educación Superior de Ensenada(CICESE), Mexico Andrews University, South-Africa Tsinghua University, China National Chi Nan University, Taiwan (China) Korea University, Korea (South) University of Aalborg, Denmark University of Birmingham, UK Krupajal Engineering College, India University of Rennes 1, France National Central University, Taiwan (China) Dalian University of Technology, China Simula Research Lab, Norway East China Normal University, China Pukyong National University, Korea (South) Sun Yat-sen (Zhongshan) University, China Tsinghua University, China

#### **Editorial Assistant**

Cici Zhang

Scientific Research Publishing, USA

Email: jsip@scirp.org



#### **TABLE OF CONTENTS**

#### Volume 2 Number 2

May 2011

The figure on the front cover is from the article published in Journal of Signal and Information Processing, 2011, Vol. 2, No. 2, pp. 53-58 by Shu Liu, *et al.* 

#### Journal of Signal and Information Processing (JSIP)

#### **Journal Information**

#### **SUBSCRIPTIONS**

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

#### Subscription rates:

Print: \$39 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©2011 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

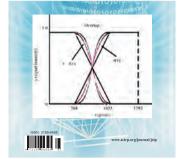
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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 assumes 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





#### **Editors-in-Chief**

Prof. Baozong Yuan

#### **Executive Editor in Chief**

Prof. Qiuqi Ruan

#### **Editorial Board**

- **Prof.** Photios Anninos
- Prof. Roelof Kars Brouwer
- Dr. Binghua Chai
- Dr. Wei-Ta Chu
- Dr. Jorge Manuel Miranda Dias
- Prof. Javier Diaz-Carmona
- Dr. Sara L. Gonzalez • Dr. Cheng Tee Hiang
- Dr. Yong Hu
- **Dr. Demongeot Jacques**
- Dr. Pierre Jannin
- Prof. Vitaly Kober
- Dr. Hyun Jung Kwon • Dr. Jianwei Ma
- Prof. Ping-Feng Pai Prof. Gwi-Tae Park
- Prof. Steffen B. Petersen
- **Dr. Camillo Porcaro**
- Prof. Siba Prasada Panigrahi
- Prof. Lotfi Senhadji
- Prof. Mu-Chun Su
- Prof. Wei Wu
- Dr. Qin Xin Prof. Jianhua Xu
- **Prof. Bo-Suk Yang**
- **Prof. Lihua Yang**
- Prof. Thomas Fang Zheng

#### 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
- ★Artificial Intelligence and Neural Networks ★Array Signal Processing
- ★Biometrics and Authentification
  ★Chaos Theory in EEG Brain Signals
- ★Chaos Theory in MEG Brain Signals ★Communication Signal Processing
- ★Compressive Signal Processing and Sensing
   ★Computer Vision and Virtual Reality
   ★Digital Signal Processing (DSP)

- ★ Fuzzy System (including Fuzzy Control)
   ★ Hardware Implementation for Signal Processing
   ★ Higher Order Spectral Analysis
- ★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

**Call for Papers** 

## Journal of Signal and **Information Processing**

http://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-theart research and promote the research work in the areas.

Beijing Jiaotong University, China

Beijing Jiaotong University, China

★PDE for Image Processing

- ★Radar Signal Processing ★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
   ★ Sonar Signal Processing and Localization
- ★Sparse Transform and Compressd Sensing ★Spectrum Estimation and Modeling
- ★Speech and Audio Coding ★Speech Synthesis and Recognition
- ★Statistical Analysis of Brain Signals After Transcranial Magnetic Stimulation ★Statistic Learning, Machine Learning and Pattern Recognition ★TF Spectrum Analysis and Wavelet
- ★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 http://www.scirp.org/journal/jsip Email: jsip@scirp.org