

ISSN: 2327-7211 Volume 1, Number 1, February 2013



Scientific  
Research

# Journal of Data Analysis and Information Processing



ISSN: 2327-7211



[www.scirp.org/journal/jdaip](http://www.scirp.org/journal/jdaip)

# Journal Editorial Board

ISSN: 2327-7211 (Print) ISSN: 2327-7203 (Online)

<http://www.scirp.org/journal/jdaip>

---

## Editor in Chief

**Prof. Feng Shi**

Huazhong Agricultural University, China

## Editorial Board

**Dr. Haiyan Bai**

University of Central Florida, USA

**Prof. Gang-Len Chang**

The University of Maryland, USA

**Dr. Simin Ghavifekr**

University of Malaya, Malaysia

**Dr. Victoria J Hodge**

University of York, UK

**Prof. Xiaoli Li**

Beijing Normal University, China

**Dr. Caimei Lu**

Drexel University, USA

**Dr. Daniele Marinazzo**

University of Gent, Belgium

**Dr. Jeremy R. Porter**

City University of New York, USA

**Dr. Rhonda K. Roby**

UNT Health Science Center, USA

**Dr. Wan Tang**

University of Rochester, USA

**Prof. Fu-Kwun Wang**

National Taiwan University of Science and Technology, Chinese Taipei

**Dr. Jie Yang**

Stony Brook University, USA

**Dr. Song Yang**

University of Arkansas, USA

## TABLE OF CONTENTS

**Volume 1    Number 1**

**February 2013**

**An Inexact Implementation of Smoothing Homotopy Method for Semi-Supervised Support Vector  
Machines**

H. J. Xiong, F. Shi.....1

# **Journal of Data Analysis and Information Processing (JDAIP)**

## **Journal Information**

### **SUBSCRIPTIONS**

The *Journal of Data Analysis and Information Processing* (Online at Scientific Research Publishing, [www.SciRP.org](http://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](mailto:sub@scirp.org)

### **SERVICES**

#### **Advertisements**

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

#### **Reprints (minimum quantity 100 copies)**

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

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### **COPYRIGHT**

Copyright©2013 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 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: [jdaip@scirp.org](mailto:jdaip@scirp.org)





## Energy and Power Engineering

ISSN 2327-7211 (Print) ISSN 2327-7203 (Online)

<http://www.scirp.org/journal/jdaip>

*Journal of Data Analysis and Information Processing (JDAIP)*, is an international journal dedicated to the latest advancement of data analysis and information processing methods. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of data analysis and information processing.

### Editor in Chief

**Prof. Feng Shi**

Huazhong Agricultural University, China

### Editorial Advisory Board

**Dr. Haiyan Bai**  
**Prof. Gang-Len Chang**  
**Dr. Simin Ghavifekr**  
**Dr. Victoria J Hodge**  
**Prof. Xiaoli Li**

**Dr. Caimei Lu**  
**Dr. Daniele Marinazzo**  
**Dr. Jeremy R. Porter**  
**Dr. Rhonda K. Roby**  
**Dr. Wan Tang**

**Prof. Fu-Kwun Wang**  
**Dr. Jie Yang**  
**Dr. Song Yang**

### Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Artificial Intelligence
- Artificial Neural Networks
- Business Intelligence
- Computational Intelligence
- Data Mining
- Data Modeling
- Digital Signal Processing
- Dimension Reducing
- Fourier Analysis
- Information Hiding
- Machine Learning
- Pattern Recognition
- Statistics
- Time Series Analysis
- Wavelet Analysis

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 EPE.

### 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/jdaip> Email: [jdaip@scirp.org](mailto:jdaip@scirp.org)

## What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science, by delivering superior scientific publications and scientific information solution provider that enable advancement in scientific research.

## What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, world-wide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



## Scientific Research

**Website: <http://www.scirp.org>**

**Subscription: [sub@scirp.org](mailto:sub@scirp.org)**

**Advertisement: [service@scirp.org](mailto:service@scirp.org)**