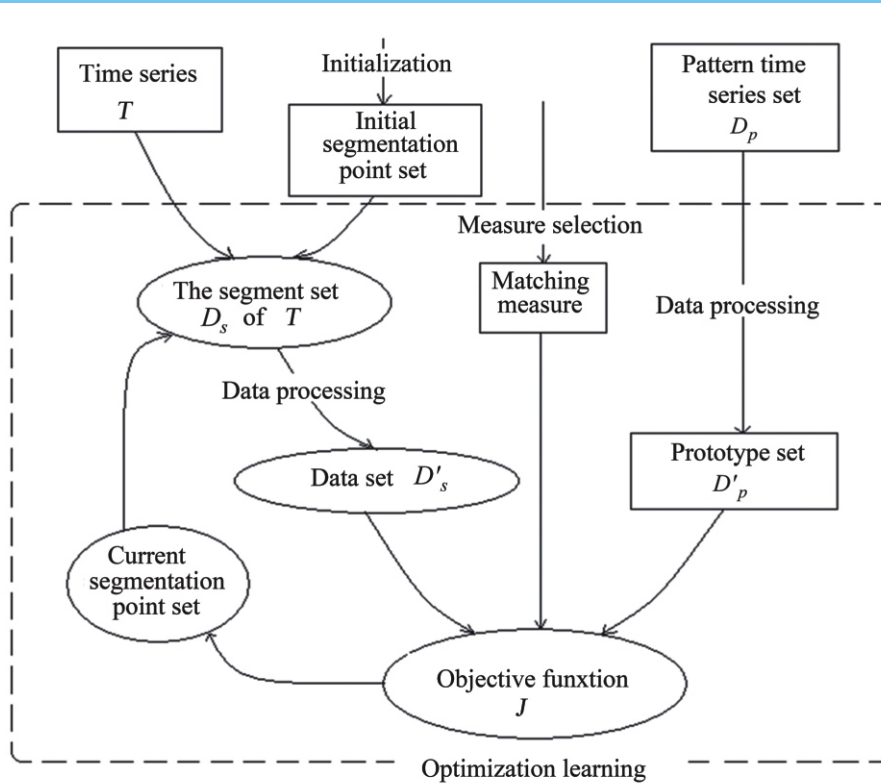


Journal of Intelligent Learning Systems and Applications

Editor-in-Chief: Prof. Xin Xu



The framework of the proposed CI model for PTSS.



Journal Editorial Board

ISSN: 2150-8402 (Print), 2150-8410 (Online)

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

Editors-in-Chief

Prof. Xin Xu National University of Defense Technology, China
Dr. Haibo He University of Rhode Island, USA

Editorial Advisory Board

Prof. Hengda Cheng Utah State University, USA
Prof. Rob Law Hong Kong Polytechnic University, China
Prof. Mengchi Liu Carleton University, Canada
Prof. Yi Pan Georgia State University, USA
Prof. Simon Yang University of Guelph, Canada
Prof. Shi Ying Wuhan University, China

Editorial Board (According to Alphabet)

Prof. Alfredo Anglani Salento University, Italy
Dr. Chee Seng Chan University of Portsmouth, UK
Dr. Christos Dimitrakakis University of Asmterdam, Netherlands
Prof. David Greenhalgh University of Strathclyde, UK
Prof. Kao-Shing Hwang National Chung Cheng University, Taiwan (China)
Dr. Michail G. Lagoudakis Technical University of Crete, Greece
Prof. Shutao Li Hunan University, China
Prof. Kin Huat Low Nanyang Technological University, Singapore
Dr. Amir Hooshang Mazinan Islamic Azad University, Iran
Prof. George Panayiotakis University of Patras, Greece
Dr. Jan Peters MPI for Biological Cybernetics, Germany
Dr. Lior Rokach Ben-Gurion University of the Negev, Israel
Prof. Adil Timofeev Russian Academy of Science, Russia
Prof. Theodore B. Trafalis The University of Oklahoma, USA
Dr. Jue Wang Chinese Academy of Sciences, China
Dr. Wei Zhong University of South Carolina Upstate, USA
Dr. Yi-Rong Zhu Elder Research, Charlottesville, USA
Prof. Antanas Zilinskas Institute of Mathematics and Informatics, Lithuania

Managing Executive Editors

Dr. Tao Ban National Institute of Information and Communications
Technology, Japan
Dr. Steve S.H. Ling University of Technology Sydney, Australia

Editorial Assistant

Luling Guo Scientific Research Publishing, USA. Email: jilsa@scirp.org

TABLE OF CONTENTS

Volume 3 Number 1

February 2011

Categorization and Reorientation of Images Based on Low Level Features

R. Bhatt, G. Sharma, A. Dhall, N. Kumar, S. Chaudhury.....1

Dynamic Shortest Path Algorithm in Stochastic Traffic Networks Using PSO Based on Fluid Neural Network

Y. F. Deng, H. Q. Tong.....11

Function Approximation Using Robust Radial Basis Function Networks

O. Rudenko, O. Bezonov.....17

Clustering-Inverse: A Generalized Model for Pattern-Based Time Series Segmentation

Z. H. Deng, F.-L. Chung, S. T. Wang.....26

Playing Tic-Tac-Toe Using Genetic Neural Network with Double Transfer Functions

S. H. Ling, H. K. Lam.....37

Apply GPCA to Motion Segmentation

H. C. Yu, J. J. Zhang.....45

The figure on the front cover is from the article published in *Journal of Intelligent Learning Systems and Applications*, 2011, Vol. 3, No. 1, pp. 26-36, by Zhaohong Deng, Fu-Lai Chung and Shitong Wang.

Journal of Intelligent Learning Systems and Applications (JILSA)

Journal Information

SUBSCRIPTIONS

The *Journal of Intelligent Learning Systems and Applications* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$50 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.

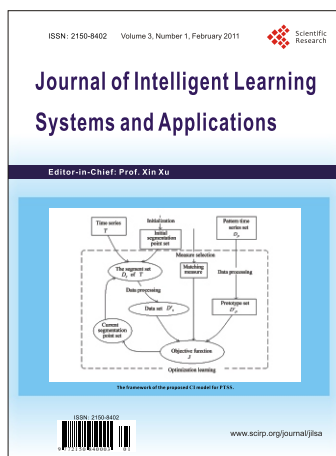
Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any 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: jilsa@scirp.org

Call for Papers



Journal of Intelligent Learning Systems and Applications

ISSN 2150-8402 (print) ISSN 2150-8410 (online)

www.scirp.org/journal/jilsa

The Journal of Intelligent Learning Systems and Applications (JILSA) is a peer reviewed international journal with a key objective to provide the academic and industrial community a medium for presenting original cutting-edge research related to intelligent learning systems and their applications. JILSA invites authors to submit their original and unpublished work that communicates current research on intelligent learning systems both in the theoretical and methodological aspects, as well as various applications in real-world applications.

Papers are invited on the topics including, but not limited to:

- Approximate Dynamic Programming
- Autonomic Computing
- Autonomous Learning Systems
- Bio-inspired Learning Method
- Clustering
- Cyber-physical Systems
- Evolutionary Computation
- Filter Bank
- Fuzzy and Rough Set
- General Theory on Intelligent Learning Systems
- Intelligent Applications
- Learning Control Systems
- Multi-agent Learning
- Multiple Models Strategy
- Neural Networks
- Pattern Recognition Based on Learning Techniques
- Predictive Control
- Recommendation System
- Reinforcement Learning
- Robotics
- Smart Grid Techniques and Applications
- Social Network Analysis
- Statistical Learning Theory
- Supervised Learning
- Time-frequency Representation
- Unsupervised Learning
- User Behavior Modelling
- Wavelet Theory

Editors in Chief

Dr. Xin Xu

Dr. Haibo He

National University of Defense Technology, China

University of Rhode Island, USA

Website and E-Mail

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

[E-Mail:jilsa@scirp.org](mailto:jilsa@scirp.org)