

International Journal of Software Innovation

January-March 2014, Vol. 2, No. 1

Table of Contents

RESEARCH ARTICLES

- 1 **Computational Intelligence in Cross Docking**
Bo Xing, University of Pretoria, South Africa
- 9 **Modeling Business and Requirements Relationships to Facilitate the Identification of Architecturally Significant Requirements**
Javier Berrocal, University of Extremadura, Caceres, Spain
Jose Garcia-Alonso, University of Extremadura, Caceres, Spain
Juan Manuel Murillo, University of Extremadura, Caceres, Spain
- 25 **Reduction of Defect Misclassification of Electronic Board Using Multiple SVM Classifiers**
Takuya Nakagawa, Chubu University, Aichi, Japan
Yuji Iwahori, Chubu University, Aichi, Japan
M. K. Bhuyan, Indian Institute of Technology Guwahati, Assam, India
- 37 **Reusable Business Tier Components: Based on CLI and Driven by a Single Wide Typed Service**
Óscar Mortágua Pereira, Instituto de Telecomunicações, DETI – University of Aveiro, Portugal
Rui L. Aguiar, Instituto de Telecomunicações, DETI – University of Aveiro, Portugal
Maribel Yasmina Santos, Centro Algoritmi, DSI – University of Minho, Guimarães, Portugal
- 61 **Analog Learning Neural Network using Two-Stage Mode by Multiple and Sample Hold Circuits**
Masashi Kawaguchi, Suzuka National College of Technology, Suzuka, Japan
Naohiro Ishii, Aichi Institute of Technology, Aichi, Japan
Takashi Jimbo, Nagoya Institute of Technology, Aichi, Japan
- 73 **The Multi-Agents Architecture for Emotion Recognition: Case of Information Retrieval System**
Mohamed Néji, University of Sfax, National Engineering School of Sfax (ENIS), Sfax, Tunisia
Ali Wali, University of Sfax, National Engineering School of Sfax (ENIS), Sfax, Tunisia
Adel M. Alimi, University of Sfax, National Engineering School of Sfax (ENIS), Sfax, Tunisia
- 86 **Automated Evaluation of Interest Point Detectors**
Simon R. Lang, School of Computer Science, Engineering and Mathematics, Flinders University, Adelaide, Australia
Martin H. Luerssen, School of Computer Science, Engineering and Mathematics, Flinders University, Adelaide, Australia
David M. W. Powers, School of Computer Science, Engineering and Mathematics, Flinders University, Adelaide, Australia

Copyright

The **International Journal of Software Innovation (IJSI)** (ISSN 2166-7160; eISSN 2166-7179), Copyright © 2014 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global.

The *International Journal of Software Innovation* is indexed or listed in the following: Cabell's Directories; INSPEC; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory