

# INTERNATIONAL JOURNAL OF SOFTWARE INNOVATION

April-June 2013, Vol. 1, No. 2

## Table of Contents

### RESEARCH ARTICLES

- 1 **An Approach to Co-Dependent Value Based Internet Advertisement Auction**  
*Satoshi Takahashi, University of Tsukuba, Tsukuba, Ibaraki Prefecture, Japan*  
*Tokuro Matsuo, Advanced Institute of Industrial Technology, Tokyo, Japan*  
*Roger Y. Lee, Software Engineering and Information Technology Institute, Central Michigan University, Mt. Pleasant, MI, USA*
- 16 **The Efficiency of Interactive Differential Evolution in Creation of Sound Contents: In Comparison with Interactive Genetic Algorithm**  
*Makoto Fukumoto, Fukuoka Institute of Technology, Fukuoka, Japan*  
*Ryota Yamamoto, Fukuoka Institute of Technology, Fukuoka, Japan*  
*Shintaro Ogawa, Fukuoka Institute of Technology, Fukuoka, Japan*
- 28 **A Strategy for Managing Complexity of the Global Market and Prototype Real-Time Scheduler for LEGO Supply Chain**  
*Bjorn Madsen, LEGO System, Billund, Denmark*  
*George Rzevski, Multi-Agent Technology Ltd., London, England, UK*  
*Petr Skobelev, Multi-Agent Technology Ltd., Samara, Russia*  
*Alexander Tsarev, Smart Solutions Ltd., Samara, Russia*
- 40 **Vector Operations in Neural Network Computations**  
*Naohiro Ishii, Aichi Institute of Technology, Toyota, Japan*  
*Toshinori Deguchi, Gifu National College of Technology, Gifu, Japan*  
*Masashi Kawaguchi, Suzuka National College of Technology, Suzuka, Japan*  
*Hiroshi Sasaki, Fukui University of Technology, Fukui, Japan*
- 53 **Estimation of Factor Scores of Impressions of Question and Answer Statements**  
*Yuya Yokoyama, Graduate School of Information Science, Kyoto Institute of Technology, Kyoto, Japan*  
*Teruhisa Hochen, Graduate School of Information Science, Kyoto Institute of Technology, Kyoto, Japan*  
*Hiroki Nomiya, Graduate School of Information Science, Kyoto Institute of Technology, Kyoto, Japan*
- 67 **Person Identification Using Top-View Image with Depth Information**  
*Daichi Kouno, Department of Artificial Intelligence, Kyushu Institute of Technology, Iizuka, Fukuoka, Japan*  
*Kazutaka Shimada, Department of Artificial Intelligence, Kyushu Institute of Technology, Iizuka, Fukuoka, Japan*  
*Tsutomu Endo, Department of Artificial Intelligence, Kyushu Institute of Technology, Iizuka, Fukuoka, Japan*

### Copyright

The *International Journal of Software Innovation* (ISSN 2166-7160; eISSN 2166-7179). Copyright © 2013 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 currently listed or indexed in: Cabell's Directories; INSPEC; MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory