WSEAS Transactions on Information Science and Applications

Contents: 2012 Print ISSN: 1790-0832 E-ISSN: 2224-3402

Acceptance Rate (for the years 2013 and 2014): 13.07%

Acceptance Rate = C/D where: C = the number of accepted papers, D= the number of submitted papers. Withdrawn Papers are not considered for the numbers C and D.

Editorial Board:

Professor Klimis Ntalianis

Technological Educational Institute of Athens Greece

E-mail: kntal@image.ntua.gr

Associate Editors:

Prof. Kleanthis Psarris, The City University of New York, USA URL, Email: KPsarris@brooklyn.cuny.edu

Prof. Jain-Shing Wu, National Sun Yat-Sen University, Kaohsiung, Taiwan URL, Email: wujs@cse.nsysu.edu.tw

Prof. Josip Music, University of Split, Croatia URL, Email: imusic@fesb.hr

Prof. Maurice Margenstern, Université de Lorraine, France URL and URL, Email: maurice.margenstern@univ-lorraine.fr

Prof. Manuela Panoiu, University Politechnika Timisoara, Timisoara, Romania URL, Email: m.panoiu@fih.upt.ro

Prof. Eleonora Catsigeras, University de La Republica, Uruguay URL, Email: eleonora@fing.edu.uy

Prof. Claudio Talarico, Gonzaga University, Spokane, WA, USA URL, Email: talarico@gonzaga.edu

Prof. Zhuo Li, Beijing University of Technology, Beijing, China URL, Email: zhuoli@bjut.edu.cn

Prof. Pavel Varacha, Tomas Bata University in Zlin, Czech Republic URL, Email: varacha@fai.utb.cz

Prof. Charles Suffel, Stevens Institute of Technology, Hoboken, NJ, USA URL, Email: csuffel@stevens.edu

Prof. Shuliang Li, The University of Westminster, London, UK URL, Email: S.Li05@westminster.ac.uk

Prof. Constantin Popescu, Oradea University, Oradea, Romania URL, Email: cpopescu@uoradea.ro

Prof. Kun Chang Lee, Sungkyunkwan University, Korea URL, Email: leekc@skku.edu

Topics:

Embedded systems Firmware for electric motors Microprocessor programming for control of electric motors Computer Languages and Applications Information Theory and Applications Complexity Theory and Applications Computing Theory and Applications Software Engineering Web-Based Engineering Web-Based Goverment Web-Based Commerce Data Structures and Web Applications File Structures and Design Data Bases and Web Applications Knowledge Engineering and Data Technology File Structures for on-line Systems Operating Systems and Internet Parallel and Distributed Systems Algorithms. Internet Computing. Mobile Computing Object-Oriented Programming Computer Architecture Computer Packaging Fault Tolerance Computing Parallel Programming Microprocessors and microcomputers Numerical Analysis Game Theory Operations Research Optimization Techniques Soft Computing Industrial Applications of Informatics and Real Time Systems Multimedia Simulation Virtual Reality Computer Graphics Computational Geometry Machine Vision Computer Algebra Symbolic Computation Pattern Analysis Simulation Machine Intelligence Adaptive and Learning Systems Classification Identification Analysis and design tools Emulation Visualization Digital Libraries Libraries' categorization Hardware Engineering Programming Techniques in Communications Networks Security Anti-hacking techniques Evaluation of commercial software Software Maintenance

Articles:

A PCA Based Framework for Detection of Application Layer DDoS Attacks

Authors: R. Bharathi, R. Sukanesh

Optimal Design of Accelerated Life Test with Multiple-Crossed Step-down Stresses Base on Monte-Carlo Simulation

Authors: Meng Lv, Jinyan Cai, Gang Pan, Guolong Zhang

An Interactive Network of Events with a Geographic Perspective

Authors: Ramya Pulavarthi, Arbi Ghazarian

Isotonic Separation with an Instance Selection Algorithm Using Softset: Theory and Experiments

Authors: B. Malar, R. Nadarajan, G. Saisundarakrishnan

A Hybrid Swarm Optimization Approach for Feature Set Reduction in Digital Mammograms

Authors: J. B. Jona, N. Nagaveni

PLS Path Modelling on Blog Site Selection

Authors: Yi-Hui Chiang

Technology-Enhanced Learning Tools: A Survey of Use in European Higher Education

Authors: Radek Matuš?, Ji?í Vojt?šek, Tomáš Dulík

Software Tools and Databases Used for Foreign Language Learning

Authors: Mirela-Catrinel Voicu

A Fuzzy MCDM Model to Evaluate Investment Risk of Location Selection for Container Terminals

Authors: Ji-Feng Ding, Chien-Chang Chou

MLK-Means - A Hybrid Machine Learning based K-Means Clustering Algorithms for Document Clustering

Authors: P. Perumal, R. Nedunchezhian

Collaborative Technological Applications with Special Focus on ICT based, Networked and Mobile Solutions

Authors: György Molnár

Classification of Stock Index Movement using k-Nearest Neighbours (k-NN) Algorithm

Authors: M. V. Subha, S. Thirupparkadal Nambi

To Improve the Atomic Force Microscopic (AFM) Printing Process of Liquid Crystal Display (LCD)

Authors: Jui-Chin Jiang, Tai-Ying Lin

<u>Investigations on Barriers to the Incorporation of Information and Communications Technologies in Small Scale Industries</u>

Authors: Bhagwan Shree Ram, M. Selvaraj

A Fingerprint Watermarking Algorithm to Enhance the Privacy of Fingerprint Data

Authors: Sandhya Tarar, Ashish Kumar, Ela Kumar

Intelligent Survey Software using Decision Board Analysis Technique for Recruitment Process in UK

Authors: Nageen Mustafa, Kamran Ahsan, Paul Kingston

<u>Feature Extraction in P 100 Detection for Classification of Pattern Visual Evoked Potential (P-VEP) Signals</u>
<u>Correlated with Occlusion Therapy for Squint Eyes</u>

Authors: R. Kalaivaazhi, D. Kumar

Neural Network Based Filter for Continuous Glucose Monitoring: Online Tuning with Extended Kalman Filter Algorithm

Authors: S. Shanthi, D. Kumar

<u>Extending Perceived Navigational Risk and Technology Acceptance Model to Electronic Chart Display and Information System</u>

Authors: Sheng-Fei Hsu, Yu-Wei Hsu

Influence of Various Factors on the Intended Use of Mobile Marketing Services

Authors: Dino Pavli?, Mario Jadri?, Maja ?ukuši?

A Genetic Algorithm Based Approach for Imputing Missing Discrete Attribute Values in Databases

Authors: R. Devi Priya, S. Kuppuswami

Finite-Element Simulation of Aluminum Temperature Field in Laser Welding

Authors: Ali Moarrefzadeh

Telecenters as Training Centers of e-Learning for the Marginalized Community: The Malaysian Experience

Authors: Nor Fariza Mohd Nor, Norizan Abdul Razak, Jalaluddin Abdul Malek

A Clustering Algorithm Using DNA Computing Based on Three-Dimensional DNA Structure and Grid Tree

Authors: Jie Xue, Xiyu Liu

Post Intelligent City Development and Hyperrealism of E-Community in Malaysia

Authors: Jalaluddin Abdul Malek, Norizan Abdul Razak, Nor Fariza Mohd Nor

<u>Digital Inclusion Society in Malaysia Felda Agricultural Area</u>

Authors: Jalaluddin Abdul Malek, Norizan Abdul Razak, Ali Salman, Fariza Mohd Nor, Mohd Yusoff Abdullah

To Develop a New Electric Aluminium Blinds Based on Infrared Remote Control Technology

Authors: Chih-Yu Hung, Chieh-Tsung Chi

<u>Identifying Bank Failures with Two-stage Data Envelopment Analysis in the Worst-case Scenario: The Case of Taiwan Banks</u>

Authors: Fuh-Hwa Franklin Liu, Cheng-Li Chen

Tailoring SMS-Based M-Learning System to Malaysian Students' Preferences

Authors: Issham Ismail, Siti Norbaya Azizan

Reengineering Legacy to Modern (RL2M) System with One Time Checker (OTC) for Information System Evolution

Authors: P. Sudhakar, P. Sakthivel

CAMED: An Innovative Communication Tool in Teaching Engineering Drawing

Authors: Lilia Halim, Ruhizan M. Yasin, Azaman Ishar

The Shapley Value for Fuzzy Games on Vague Sets

Authors: Fan-Yong Meng, Yan Wang

<u>Integrating Grey Theory into Kano's QFD Based on Data Mining to Enhance Supply Market Survey with Purchasing</u>

Authors: Chih-Hung Hsu, An-Yuan Chang, Hui-Ming Kuo

The Effect of Multimedia Computer Assisted Instruction and Learning Style on Learning Achievement Authors: Yu-Hsin Cheng, Ju-Tzu Cheng, Deng-Jyi Chen

<u>Improvements of Driver Fatigue Detection System Based on Eye Tracking and Dynamic Template Matching</u>
Authors: Wen-Bing Horng, Chih-Yuan Chen, Jian-Wen Peng, Chen-Hsiang Chen

Solving Economic Load Dispatch Problems Using Differential Evolution with Opposition Based Learning Authors: Surekha P., S. Sumathi