## **WSEAS Transactions on Computers**

Print ISSN: 1109-2750 E-ISSN: 2224-2872 Contents: 2011

# Impact factor according to the citations in Thomson Reuters (ISI Web of Knowledge) for 2014: 0,036

Impact Factor = A/B where: A = the number of citations by Thomson Reuters (ISI Web of Knowledge) in 2014 for the published papers in this journal in 2012 and 2013. B = the total number of papers published by this journal in 2012 and 2013.

### Acceptance Rate (for the years 2013 and 2014): 19.86 %

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 Withdrawn Papers are not considered for the numbers C and D.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:**

#### **Editor-in-Chief**

Prof. Josip Musić, University of Split, Croatia URL, Email: <a href="mailto:imusic@fesb.hr">imusic@fesb.hr</a>

#### **Associate Editors:**

Prof. Kleanthis Psarris, The City University of New York, USA URL, Email: <a href="mailto:KPsarris@brooklyn.cuny.edu">KPsarris@brooklyn.cuny.edu</a>

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

Prof. Sarantos Kapidakis, Ionio University, Greece URL, Email: sarantos@ionio.gr

Prof. Theodore B. Trafalis, University of Oklahoma, USA <u>URL</u>, Email: <a href="mailto:ttrafalis@ou.edu">ttrafalis@ou.edu</a>

Prof. Kewen Zhao, University of Qiongzhou, China

URL , Email: <a href="mailto:kwzhao2006@sohu.com">kwzhao2006@sohu.com</a>

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

Prof. Zhuo Li, Beijing University of Technology, Beijing, China URL, Email: <a href="mailto:zhuoli@bjut.edu.cn">zhuoli@bjut.edu.cn</a>

Prof. Charles Suffel, Stevens Institute of Technology, Hoboken, NJ, USA URL, Email: <a href="mailto:csuffel@stevens.edu">csuffel@stevens.edu</a>

Prof. Shuliang Li, The University of Westminster, London, UK

URL, Email: S.Li05@westminster.ac.uk

Prof. Dimitrios A. Karras, Sterea Hellas Institute of Technology, Greece

<u>URL</u>, Email: <u>dakarras@teihal.gr</u>

Prof. Kun Chang Lee, Sungkyunkwan University, Korea

URL, Email: <u>leekc@skku.edu</u>

#### **Topics**

Computer Languages Software Engineering Data Structures File Structures and Design Data Bases Compilers Knowledge and Data Technology Pattern Analysis and Machine Intelligence File Structures for on-line Systems Operating Systems Parallel and Distributed Systems Information Systems Complexity Theory Computing Theory Numerical and Semi-Numerical Algorithms Object-Oriented Programming Parallel Programming Computerised Signal Processing Computer Graphics Computational Geometry Machine Vision Computer Elements Computer Architecture Computer Packaging Fault Tolerance Computing Mass Storage Systems Microprocessors and microcomputers Multiple valued Logic Numerical Analysis Finite Element Genetic Algorithms Game Theory Operations Research Optimization Techniques Real Time Systems Virtual Reality Computer Algebra Symbolic Computation Simulation Pattern Analysis Machine Intelligence Adaptive and Learning Systems Classification Identification Chaos Fractals and Bifurcations Analysis and design tools Simulation Modelling Emulation Visualization Digital Libraries Hardware Engineering Programming Techniques in Communications Networks Management and Economic Systems Multimedia Video technologies Simulation Techniques Tools Computers in Armed Forces Software for Communications Development and Simulation Social Implications of Modern Communications Soft Computing and Communications Smart Interfaces Intelligent Systems Supercomputers and Supercomputing Internet and Internet Computing Intelligent Agents Mobile Computing E-commerce Privacy Problems Hardware/Software Codesign, Cryptography Computer/Communications Integration Education

#### **Articles:**

Improving the Generalization Capability of HIDMA with DeJong's Gene Expression

Authors: Jungan Chen, Feng Liang, Zhaoxi Fang

A Novel Jamming-Aware Metric for MHWN Routing

Authors: B. Q. Kan, J. H. Fan

Countermeasure against the Jacobi symbol attack

Authors: David Tinoco Varela

<u>Use of a Genetic Algorithm – Neural Network Hybrid Algorithm in the Search for High</u>

**Efficiency Solid-State Phosphors** 

Authors: Hugh Cartwright, Arsenij Leontjev

Extracting Information from Failure Equipment Notifications – Use of Fuzzy Sets to

<u>Determine Optimal Inventory</u> Authors: Les M. Sztandera

Classification Data Mining with Hybrid Fuzzy Logic Aggregation

Authors: John F. Sanford, Les M. Sztandera

Incremental Radial Basis Function Computation for Neural Networks

Authors: Vaclav Skala

Design and Evaluation of Parallel , Scalable , Curve Based Processor over Binary Field

Authors: Rahila Bilal, M. Rajaram

Semantic Classification of Human Behaviors in Video Surveillance Systems

Authors: Alberto Amato, Vincenzo Di Lecce

Two-Dimensional Clustering Algorithms for Image Segmentation

Authors: Intan Aidha Yusoff, Nor Ashidi Mat Isa

A Complete Path Representation Method with a Modified Inverted Index for Efficient

Retrieval of XML Documents

Authors: Hsu-Kuang Chang, King-Chu Hung, I-Chang Jou

SWIDE: Semantic Web Integrated Development Environment

Authors: Islam Hany Harb, Abdurrahman A. Nasr, Salah Abdel-Magid, Hany Harb

Automatic Edge Detection using Vector Distance and Partial Normalization

Authors: Shuhan Chen, Weiren Shi, Kai Wang

On Performance Analysis of Hybrid Algorithm (Improved PSO with Simulated Annealing) with GA, PSO for Multiprocessor Job Scheduling

Authors: K. Thanushkodi, K. Deeba

Evaluating Peer Behaviour in Distributed Participatory Sensing

Authors: Ramaprasada R. Kalidindi, Kvsvn Raju, V. Valli Kumari, C. S. Reddy

<u>Image Analysis Based on the Discrete Magnetic Field Generated by the Virtual Edge</u> Current in Digital Images

Authors: X. D. Zhuang, N. E. Mastorakis

Agent Based Load Balancing Scheme using Affinity Processor Scheduling for Multicore Architectures

Authors: G. Muneeswari, K. L. Shunmuganathan

<u>Market Information Needs Risk Assessment toward ICT Usage for Green Bean Producers in Dakar Region of Senegal</u>

Authors: Wen-I Chang, Chao-Lin Tuan

<u>Enhancements to Reputation Based Trust Models for Improved Reliability in Grid</u> <u>Computing</u>

Authors: Srivaramangai P., Rengaramanujam Srinivasan

<u>Cryptanalysis of Simplified-DES using Computational Intelligence</u>

Authors: Vimalathithan R., M. L. Valarmathi

Applying Data Mining and Grey QFD to Mine the Dynamic Trends for Computer Life Cycleoriented Green Supply

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

Certain Investigation on MRI Segmentation for the Implementation of CAD System

Authors: J. Jaya, K. Thanushkodi

LDAG: A New Model for Grid Workflow Applications

Authors: Guiping Wang, Yan Wang

A Novel Image Encryption Algorithm Using Pixel Shuffling and BASE 64 Encoding Based Chaotic Block Cipher (IMPSBEC)

Authors: G. A. Sathishkumar, K. Bhoopathy Bagan

An Optimization for the Design of a Simple Asynchronous Processor

Authors: Sun-Yen Tan, Wen-Tzeng Huang

<u>The Computer Aided Analysis of the Bus Accidents Oriented to the Numerical Simulation of the Injury of the Human Body</u>

Authors: Xiao-Yun Zhang, Xian-Long Jin, Jie Shen

Designing Test Engine for Computer-Aided Software Testing Tools

Authors: Xue-Ying Ma, Bin-Kui Sheng

Improving Arabic Information Retrieval System using N-Gram Method

Authors: Rammal Mahmoud, Sanan Majed

Performance Evaluation of Artificial Neural Networks for Spatial Data Analysis

Authors: Akram A. Moustafa, Ziad A. Algadi, Eyad A. Shahroury

A New Immune Clone Algorithm to Solve the Constrained Optimization Problems

Authors: Liang Zhou, Jianguo Zheng

A Study on Factors Influencing Power Consumption in Multithreaded and Multicore CPU's

Authors: Vijayalakshmi Saravanan, Senthil Kumar Chandran, Sasikumar Punnekkat, D. P.

Kothari

<u>The Influence of Antecedent Factors of IS/IT Utilization Towards Organizational</u>
<u>Performance - A Case Study of IAIN Raden Fatah Palembang</u>

Authors: Rika Kharlina Ekawati, Achmad Nizar Hidayanto

A Comparative Analysis of Methods for Probability Estimation Tree

Authors: Na Chu, Lizhuang Ma, Ping Liu, Yiyang Hu, Min Zhou

Orthogonal Software Architecture Design for Radar Data Processing System with Objectoriented Component and COM Interface

Authors: Zhongzhi Li, Xuegang Wang, Xuelian Yu

Predict Soil Erosion with Artificial Neural Network in Tanakami (Japan)

Authors: A. Abdollahzadeh, M. Mukhlisin, A. El Shafie

New Standards for Competitive Distinctions: A Practical Model

Authors: Edson Pacheco Paladini, Fabricia Goncalves De Carvalho

Predict Strength of Rubberized Concrete Using Atrificial Neural Network

Authors: A. Abdollahzadeh, R. Masoudnia, S. Aghababaei

Performance Evaluation of Distributed Database on PC Cluster Computers

Authors: Sorapak Pukdesree, Vitalwonhyo Lacharoj, Parinya Sirisang

## <u>Selection of Polynomials for Cyclic Redundancy Check for the use of High Speed</u> <u>Embedded – An Algorithmic Procedure</u>

Authors: A. Ahmad, L. Hayat

Secure and Highly Efficient Three Level Key Management Scheme for MANET

Authors: Wan An Xiong, Yao Huan Gong

<u>Frequencies of Propagation of Electromagnetic Waves in a Hexagonal Waveguide</u>

Authors: Arti Vaish, Harish Parthasarathy