

ISSN Print: 2074-904X, ISSN Online: 2074-9058  
Volume 5, Number 1, December 2012

# International Journal of Intelligent Systems and Applications

The logo consists of the word "Vol." in a stylized, italicized font, followed by ".5" in a bold, sans-serif font.

No.1 Dec. 2012

IJISA 

[Http:// www.mecs-press.org](http://www.mecs-press.org)  
Vol. 5 No.1 December 2012



# **International Journal of Intelligent Systems and Applications (IJISA)**

ISSN Print: 2074-904X, ISSN Online: 2074-9058

Volume 5, Number 1, December 2012

## **Contents**

---

### **REGULAR PAPERS**

Energy-Sustainable Framework and Performance Analysis of Power Scheme for Operating Systems: A Tool <i>P. K. Gupta, G. Singh</i>	1
Layers of Protection Analysis Using Possibility Theory <i>Nouara Ouazraoui, Rachid Nait-Said, Mouloud Bourareche, Ilyes Sellami</i>	16
A link and Content Hybrid Approach for Arabic Web Spam Detection <i>Heider A. Wahsheh, Mohammed N. Al-Kabi, Izzat M. Alsmadi</i>	30
Dynamic Programming and Genetic Algorithm for Business Processes Optimisation <i>Mateusz Wibig</i>	44
Analysis and Design of CLL Resonant Converter for Solar Panel-battery Systems <i>C.Nagarajan, M.Muruganandam, D.Ramasubramanian</i>	52
A New Transmission Control Protocol for Satellite Networks <i>P.Lokesh Kumar Reddy, B.Rama Bhupal Reddy, S.Rama Krishna</i>	59
Optimizing Artificial Neural Networks using Cat Swarm Optimization Algorithm <i>John Paul T. Yusiong</i>	69
Intelligent Routing Techniques for Mobile Ad hoc Networks using Swarm Intelligence <i>CH. V. Raghavendran, G. Naga Satish, P. Suresh Varma</i>	81
Generalization of Magic Square (Numerical Logic) $3 \times 3$ and its Multiples $(3 \times 3) \times (3 \times 3)$ <i>B L Kaul, Ramveer Singh</i>	90
Enhanced Face Recognition using Data Fusion <i>Alaa Eleyan</i>	98

---