

ISSN Print: 2074-904X, ISSN Online: 2074-9058  
Volume 6, Number 10, September 2014

International Journal of

# Intelligent Systems and Applications

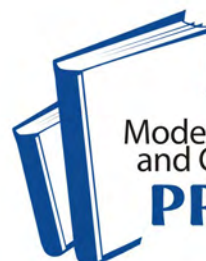
**Vol.6**

No.10 Sep. 2014

**IJISA** **Vol.6**

[Http:// www.mecs-press.org](http://www.mecs-press.org)

Vol. 6 No.10 September 2014



Modern Education  
and Computer Science

**PRESS**

## Contents

---

### REGULAR PAPERS

---

Efficiency Evaluation Metrics for Wireless Intelligent Sensors Applications <i>Saad Chakkor, El Ahmadi Cheikh, Mostafa Baghour, Abderrahmane Hajraoui</i>	1
A New Application of an ANFIS for the Shape Optimal Design of Electromagnetic Devices <i>N. Mohdeb, T. Hacib</i>	11
The Simulation Analysis of Nonlinear for a Power Amplifier with Memory Effects <i>Lv. Jinqiu, You. Xiaoming, Liu. Sheng</i>	20
UWB Cooperatif Radar for Localization and Communication Dedicated to Guided Transport <i>T. Tahri, Y. Elhillali, L. Sakkila, A. Rivenq</i>	27
0/1 Knapsack Problem using Diversity based Dual Population Genetic Algorithm <i>A. J. Umbarkar, M. S. Joshi</i>	34
Impact of Design Patterns on Software Maintainability <i>Fatimah Mohammed Alghamdi, M. Rizwan Jameel Qureshi</i>	41
Moving Target Detection and Doppler Extraction Using Digital Spread Spectrum Radar <i>Subhankar Shome, Rabindra Nath Bera, Samarendra Nath Sur, Rabi Adhikary</i>	47
Design New Intelligent-Base Chattering Free Nonlinear Control of Spherical Motor <i>Mohammad Ali Tayebi, Farzin Piltan, Mahsa Piltan, Mojtaba Yaghoot, Meysam Esmaeili</i>	55
Recognition of Control Chart Patterns Using Imperialist Competitive Algorithm and Fuzzy Rules Approach <i>Somayeh Mirzaei, Abdolhakim Nikpey, Payam Zarbakhsh</i>	67
Rough Set Model for Nutrition Management in Site Specific Rice Growing Areas <i>K. Lavanya, N.Ch.S.N. Iyengar, M.A. Saleem Durai, T. Raguchander</i>	77

---