

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

International Journal of

# Intelligent Systems and Applications

**Vol.6**

No.6 May. 2014

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

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

Vol. 6 No.6 May 2014



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

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

Volume 6, Number 6, May 2014

### Contents

---

#### REGULAR PAPERS

---

Hybrid Intelligent Agent-Based Internal Analysis Architecture for CRM Strategy Planning <i>Mosahar Tarimoradi, M. H. Fazel Zarandi, I. B. Türkşen</i>	1
Step Response Enhancement of Hybrid Stepper Motors Using Soft Computing Techniques <i>Amged S. El-Wakeel, A. A. Sarhan</i>	21
ABC Algorithm Based Interval Type-2 Fuzzy Logic Controller for an Inverted Pendulum <i>Anita Khosla, Leena G, M. K. Soni</i>	29
Hierarchical Clustering Algorithm based on Attribute Dependency for Attention Deficit Hyperactive Disorder <i>J Anuradha, B K Tripathy</i>	37
Application of the Rise Feedback Control in Chaotic Systems <i>Milad Malekzadeh, Abolfazl Ranjbar Noei, Alireza Khosravi, Reza Ghaderi</i>	46
An Iterative Technique for Solving a Class of Nonlinear Quadratic Optimal Control Problems Using Chebyshev Polynomials <i>Hussein Jaddu, Amjad Majdalawi</i>	53
Design Intelligent Robust Partly Linear Term SMC for Robot Manipulator Systems <i>AliReza Nabaee, Farzin Piltan, MohammadMahdi Ebrahimi, Mansour Bazregar</i>	58
Impact of Multipath Routing on WSN Security Attacks <i>Koffka Khan, Wayne Goodridge</i>	72
A Review on Gravitational Search Algorithm and its Applications to Data Clustering & Classification <i>Yugal kumar, G. Sahoo</i>	79
Electric Machine Analysis, Control and Verification for Mechatronics Motion Control Applications, Using New MATLAB Built-in Function and Simulink Model <i>Farhan A. Salem</i>	94

---