

ISSN Print: 2074-904X, ISSN Online: 2074-9058  
Volume 8, Number 7, July 2016

International Journal of

# Intelligent Systems and Applications

**Vol.8**

No.7 Jul. 2016

**IJISA** **Vol.8**

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

Vol. 8 No.7 July 2016



## **Contents**

---

### REGULAR PAPERS

Structural Identification of Dynamic Systems with Hysteresis <i>Nikolay Karabutov</i>	1
A Soft Computing Technique for Improving the Fidelity of Thumbprints Based Identification Systems <i>Kamta Nath Mishra, Anupam Agrawal</i>	14
Exploring the Feasibility of Robotic Pipeline Surveillance for Detecting Crude Oil Spills in the Niger Delta <i>O'tega A. Ejofodomi</i>	28
Steganographic Data Hiding using Modified APSO <i>E Divya, P Raj Kumar</i>	37
Blackout Estimation by Neural Network <i>Mohammad Reza Salimian, Mohammad Reza Aghamohammadi</i>	46
An Automated Real-Time System for Opinion Mining using a Hybrid Approach <i>Indrajit Mukherjee, Jasni M Zain, P. K. Mahanti</i>	55
Solving a Linear Programming with Fuzzy Constraint and Objective Coefficients <i>Hamid Reza Erfanian, Mohammad Javad Abdi, Sahar Kahrizi</i>	65
Review, Design, Optimization and Stability Analysis of Fractional-Order PID Controller <i>Ammar SOUKKOU, M.C. BELHOUR, Salah LEULMI</i>	73

---