

ISSN Print: 2074-904X, ISSN Online: 2074-9058  
Volume 9, Number 2, February 2017

International Journal of

# Intelligent Systems and Applications

**Vol.9**

No.2 Feb. 2017

**IJISA** **Vol.9**

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

Vol.9 No.2 February 2017



## Contents

---

### REGULAR PAPERS

---

Fuzzy Clustering Data Given on the Ordinal Scale Based on Membership and Likelihood Functions Sharing <i>Zhengbing Hu, Yevgeniy V. Bodyanskiy, Oleksii K. Tyshchenko, Viktoriia O. Samitova</i>	1
Enhancement of Indoor Localization in WSN using PSO tuned EKF <i>Ravichander Janapati, ch. Balaswamy, K.Soundararajan</i>	10
The Impact of False Negative Cost on the Performance of Cost Sensitive Learning Based on Bayes Minimum Risk: A Case Study in Detecting Fraudulent Transactions <i>Doaa Hassan</i>	18
Comparative Study between ARX and ARMAX System Identification <i>Farzin Piltan, Shahnaz TayebiHaghighi, Nasri B. Sulaiman</i>	25
Optimal Reliable Routing Path Selection in MANET through Novel Approach in GA <i>Krishna S.R.M., Seeta Ramanath M.N., Kamakshi Prasad V.</i>	35
Video-based Flame Detection using LBP-based Descriptor: Influences of Classifiers Variety on Detection Efficiency <i>Oleksii Maksymiv, Taras Rak, Dmytro Peleshko</i>	42
A Review on Large Scale Graph Processing Using Big Data Based Parallel Programming Models <i>Anuraj Mohan, Remya G</i>	49
Recent Trends, Applications, and Challenges of Brain-Computer Interfacing (BCI) <i>Aroosa Umair, Ureeba Ashfaq, Muhammad Gufran Khan</i>	58

---