ISSN Print: 2074-904X, ISSN Online: 2074-9058 Volume 6, Number 1, December 2013

## International Journal of Intelligent Systems and Applications



IJISA Vol.6 Http://www.mecs-press.org Vol.6 No.1 December 2013



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

ISSN Print: 2074-904X, ISSN Online: 2074-9058 Volume 6, Number 1, December 2013

## Contents

REGULAR PAPERS	
Structural Identification of Nonlinear Static System on Basis of Analysis Sector Sets Nikolay Karabutov	1
Super-resolution Image Created from a Sequence of Images with Application of Character Recognition Leandro Luiz de Almeida, Maria Stela V. de Paiva, Francisco Assis da Silva, Almir Olivette Artero	11
Study on Different Crossover Mechanisms of Genetic Algorithm for Test Interval Optimization for Nuclear Power Plants Molly Mehra, M.L. Jayalal, A. John Arul, S. Rajeswari, K. K. Kuriakose, S.A.V. Satya Murty	20
An Application of Opposition Based Colonial Competitive Algorithm to Solve Network Count Location Problem Hamid Reza Lashgarian Azad	29
An Analysis on Qualitative Bankruptcy Prediction Rules using Ant-Miner A. Martin, T. Miranda Lakshmi, V. Prasanna Venkatesan	36
Hybrid Intelligent Routing in Wireless Mesh Networks: Soft Computing Based Approaches Sharad Sharma, Shakti Kumar, Brahmjit Singh	45
Metrics for Evaluating Pervasive Middleware J.Madhusudanan, V. Prasanna Venkatesan	58
PLC based Smart Street Lighting Control D.V.Pushpa Latha, K.R.Sudha, Swati Devabhaktuni	64
A Novel Genetic-based Optimization for Transmission Constrained Generation Expansion Planning Iman Goroohi Sardou, Mohammad Taghi Ameli, Mohammad Sadegh Sepasian, Mohammad Ahmadian	73
Minutiae Fusion Based Framework for Thumbprint Identification of Identical Twins Kamta Nath Mishra, P. C. Srivastava, Anupam Agrawal, Rishu Garg, Ankur Singh	84
Persistence of Vision control using Arduino Robinson P. Paul, Ghansyam B. Rathod, Vishwa R. Trivedi, Punit V. Thakkar	102
Design Parallel Fuzzy Partly Inverse Dynamic Method plus Gravity Control for Highly Nonlinear Continuum Robot Meysam Kazeminasab, Farzin Piltan, Zahra Esmaeili, Mahdi Mirshekaran, Alireza Salehi	112