

International Journal of NEURAL NETWORKS AND APPLICATIONS

Volume 8

Number 1

January-June 2015

Contents

Sound Propagation Model for Sound Source Localization in Area of Observation of an Audio Robot	1-4
<i>Snejana Pleshkova & Alexander Bekiarski</i>	
Compression of High-resolution Satellite Images with Pyramidal Neural Network	5-14
<i>Valeriy Cherkashyn & Dong-Chen He & Roumen Kountchev</i>	
Investigation of Analog Neural Network used for Numbers Recognition in Images	15-18
<i>Liljana Docheva & Aleksander Bekiarski</i>	
Intelligent Approaches for Radiolocational Monitoring	19-22
<i>Milena Kostova & Valerij Djurov</i>	
GIS-Based Landslide Susceptibility Mapping using Analytical Hierarchic Process and Artificial Neural Networks	23-30
<i>S. Prabu, S. S. Ramakrishnan, R. Vidhya & Hema A Murthy</i>	
Path Planning of Mobile Robots by using Weight Grid Table	31-35
<i>Mohan Awasthy & M. K. Kowar</i>	
RBF-MLP Cascade Neural Network Based Fault Classifier for Three Phase Induction Motor	37-42
<i>V. N. Ghate, S. V. Dudul</i>	
Application of Artificial Neural Network in Contingency Evaluation in a Multibus Power System Based on Voltage Stability	43-49
<i>Kabir Chakraborty, Abhijit Chakrabarti and Abhinandan De</i>	
Design of Broad Band EDFA for Next Generation Optical Network	51-55
<i>Aditya Goel and Ravi Shankar Mishra</i>	
A Pragmatic Approach for Reading Number Plates of Indian Vehicles	57-60
<i>B. Indira and T. Sudha</i>	
Building Automation Using Zigbee and Wireless Sensor Networks	61-66
<i>S. Mangai, M. Karthiga, K. R. Poornima and R. Premalatha</i>	
Design and Simulation of Network on Chip with Unequal Delay of Switch and Buffers	67-74
<i>C. Arun, Rajesh Selvaraj and K. Roopa</i>	
Classification Of Cardiac Arrhythmia Detection Using Artificial Neural Network—A Review	75-79
<i>Manoj Kumar, Mandeep Singh and Vijay Kumar</i>	
A Study of Stimulus Pattern Recognition in Fingerprint Using Multilayer Feedforward Algorithm	81-83
<i>D. Nathiya & T. Chakravarthy</i>	