

International Journal of Machine Learning and Computing

CONTENTS

Volume 6, Number 2, April 2016

• **Pattern Recognition**

Robust One-Shot Facial Expression Recognition with Sunglasses.....80
H. Jiang, K. Huang, T. Mu, R. Zhang, T. O. Ting, and C. Wang

Pedestrian Detection Using Objectness Information.....87
Weidong Yao, Xiaohui Chen, Li Chen, and Weidong Wang

• **Machine Learning and Application**

Induced Rule-Based Fuzzy Inference System from Support Vector Machine Classifier for Anomalous Propagation Echo Detection.....92
Hansoo Lee, Yeongsang Jeong, and Sungshin Kim

A Multinomial Probabilistic Model for Movie Genre Predictions.....97
Eric Arnaud Makita Makita and Artem Lenskiy

Extracting Lifestyle Rules for Reduction of Body Fat Mass Using Inductive Logic Programming.....101
Sho Ushikubo, Katsutoshi Kanamori, and Hayato Ohwada

• **Theories and Applications of Computer**

Agent Technology for Multi-criteria Regulation in Public Transportation.....105
Nabil Morri, Sameh Hadouaj, and Lamjed Ben Said

Fast Parallel Randomized Algorithm for Nonnegative Matrix Factorization with KL Divergence for Large Sparse Datasets.....111
Duy-Khuong Nguyen and Tu-Bao Ho

Insights Exploration of Structured and Unstructured Data and Construction of Automated Knowledge Banks.....117
Arvind Maurya, Yogesh Gupta, and Stuti Awasthi

Using Recall and Elimination Terms in Separate Runs for High Volume Document Sorting.....123
Harvey Hyman, Terry Sincich, Rick Will, and Warren Fridy III

Stochastic Diffusion Binary Differential Evolution to Solve Multidimensional Knapsack Problem.....130
Ayed A. Salman, Imtiaz Ahmad, and Mahmud G. H. Omran

Music Genre Classification Using Feature Subset Search.....134
Jihae Yoon, Hyunki Lim, and Dae-Won Kim

• **Bioinformatics and Health Care**

Muscular Dystrophy Disease Classification Using Relative Synonymous Codon Usage.....139
K. Sathyavikasini and M. S. Vijaya

Comparison of Random Forest and SVM for Raw Data in Drug Discovery: Prediction of Radiation Protection and Toxicity Case Study.....	145
<i>Atsushi Matsumoto, Shin Aoki, and Hayato Ohwada</i>	
Predicting Online Doctor Ratings from User Reviews Using Convolutional Neural Networks.....	149
<i>Ranti D. Sharma, Samarth Tripathi, Sunil K. Sahu, Sudhanshu Mittal, and Ashish Anand</i>	
Comparison of West Nile Virus and Yellow Fever Virus Using Apriori Algorithm, Decision Tree, and Support Vector Machine (SVM).....	155
<i>Seunghwan Lee, Changyoon Lee, Donghee Kim, and Taeseon Yoon</i>	