

# Table of Contents

Study on MRF and REF to Semi-supervised Classification .....	1
<i>Liang Jun, Xianyi Cheng, and Xiaobo Chen</i>	
An Extension Method of Space Syntax and Application .....	7
<i>Xinqi Zheng, Lu Zhao, Yanjun Su, Guang Yan, and Shuqing Wang</i>	
A Feasible Registration Method for Underwater SLAM .....	15
<i>Feng Sun, Wenjing Wang, Fuqiang Liu, and Wenfeng Wang</i>	
A Promoted Global Convergence Particle Swarm Optimization Algorithm.....	23
<i>Du Ronghua and Cai Yue</i>	
A Web-Based Integrated System for Construction Project Cost Prediction .....	31
<i>Huawang Shi and Wanqing Li</i>	
Research of Corporate Credit for Anhui Province's Listed Companies Based on Computer Technology.....	39
<i>Li Yang and Malin Song</i>	
Evaluation of Industrial Parks' Industrial Transformations and Environmental Reform Actualized by AHP Based on MatLab Software .....	47
<i>Malin Song</i>	
A Model Integrated Development of Embedded Software for Manufacturing Equipment Control .....	55
<i>Zhumei Song and Di Li</i>	
Two Stage Estimation Method in Data Processing and Simulation Analysis .....	62
<i>Pan Xiong, Chunru Zhao, and Lihong Jin</i>	
Research and Implementation of a Reconfigurable Parallel Low Power E0 Algorithm.....	71
<i>Li Wei, Dai Zibin, Nan Longmei, and Zhang Xueying</i>	
A Model of Car Rear-End Warning by Means of MAS and Behavior ....	79
<i>Liang Jun, Xianyi Cheng, Xiaobo Chen, and Yao Ming</i>	
Novel Hue Preserving Algorithm of Color Image Enhancement .....	88
<i>Caizia Liu</i>	

Artificial Immune System Clustering Algorithm and Electricity Customer Credit Analysis .....	97
<i>Shu-xia Yang</i>	
Virtual Space Sound Technique and Its Multimedia Education Application .....	103
<i>Xinyu Duan</i>	
Survey on Association Rules Mining Algorithms .....	111
<i>Mingzhu Zhang and Changzheng He</i>	
Application of Rough Set Theory and Fuzzy LS-SVM in Building Cooling Load .....	119
<i>Xuemei Li, Ming Shao, and Lixing Ding</i>	
An Efficient Feature Selection Algorithm Based on Hybrid Clonal Selection Genetic Strategy for Text Categorization .....	127
<i>Jiansheng Jiang, Wanneng Shu, and Huixia Jin</i>	
Power Demand Forecasting Based on BP Neural Network Optimized by Clone Selection Particle Swarm .....	135
<i>Xiang Li and Shi-jun Lu</i>	
Research on Simplifying the Motion Equations and Coefficients Identification for Submarine Training Simulator Based on Sensitivity Index .....	142
<i>Zhao Lin and Zhu Yi</i>	
Evaluating Quality of Networked Education via Learning Action Analysis .....	150
<i>Bin Xu</i>	
Research on Face Recognition Technology Based on Average Gray Scale .....	158
<i>Weihua Wang</i>	
The Active Leveled Interest Management in Distributed Virtual Environment .....	166
<i>Jia Bei and Yang Zhao</i>	
The Research of the Intelligent Fault Diagnosis Optimized by ACA for Marine Diesel Engine .....	174
<i>Peng Li, Lei Liu, and Haixia Gong</i>	
Extraction and Parameterization of Eye Contour from Monkey Face in Monocular Image .....	182
<i>Dengyi Zhang, Chengzhang Qu, Jianhui Zhao, Zhong Zhang, Youwang Ke, Shizhong Han, Mingqi Qiao, and Huiyun Zhang</i>	

KPCA and LS-SVM Prediction Model for Hydrogen Gas Concentration .....	190
<i>Minqiang Pan, Dehuai Zeng, Gang Xu, and Tao Wang</i>	
Random Number Generator Based on Hopfield Neural Network and SHA-2 (512) .....	198
<i>Yuhua Wang, Guoyin Wang, and Huanguo Zhang</i>	
A Hybrid Inspection Method for Surface Defect Classification .....	206
<i>Mengxin Li, Chengdong Wu, and Yang Cao</i>	
Study on Row Scan Line Based Edge Tracing Technology for Vehicle Recognition System .....	214
<i>Weihua Wang</i>	
Study on Modeling and Simulation of Container Terminal Logistics System .....	222
<i>Li Li and Wang Xiaodong</i>	
Digitalized Contour Line Scanning for Laser Rapid Prototyping .....	231
<i>Zeng Feng, Yao Shan, and Ye Changke</i>	
3D Surface Texture Synthesis Using Wavelet Coefficient Fitting .....	239
<i>Muwei Jian, Ningbo Hao, Junyu Dong, and Rong Jiang</i>	
Building Service Oriented Sharing Platform for Emergency Management – An Earthquake Damage Assessment Example .....	247
<i>Ying Su, Zhanming Jin, and Jie Peng</i>	
An Interactive Intelligent Analysis System in Criminal Investigation ....	256
<i>Ping He</i>	
Research on Functional Modules of Gene Regulatory Network .....	264
<i>Honglin Xu and Shitong Wang</i>	
Block-Based Normalized-Cut Algorithm for Image Segmentation .....	272
<i>Haiyu Song, Xiongfei Li, Pengjie Wang, and Jingrun Chen</i>	
Semantics Web Service Characteristic Composition Approach Based on Particle Swarm Optimization .....	279
<i>Zhou Xiangbing</i>	
<b>Author Index .....</b>	<b>289</b>