Table of Contents

The Study of Current Mode Rectifier Control Technology 1
Luo Min, Liu Bang-tao and Xia Yu Cheng
A Peer Management Policy for Energy Efficiency in Mobile P2P Networks 9
Chang-Hee Kim and Sung-Uk Choi
Low Carbon Scheduling with Iterative Ant Colony Algorithm 19
Peng Liang, WenSi Chen, MingQiang Luo and ShuQin Chen
An Inexact Two-Stage Stochastic Programming Model for Sustainable Utilization of Water Resource in Dalian City 27
Binglong Wang, Yanpeng Cai, Linyu Xu, Wencong Yue
Agent-Based Context-Aware Architecture for a Smart Living Room 39
Moeiz Miraoui, Sherif El-etriby, Abdulasit Zaid Abid and Chakib Tadj
Experimental Research on the Influence of Tool Material and Geometric Parameters on Cutting Surface Quality of Super Alloy 55
Fengyun Yu, He Wang,band Yunliang Fu
Techno-Economic Evaluation of the Centralized Hybrid Renewable Energy Systems for Off-Grid Rural Electrification 61

Atif Naveed Khan, Pervaiz Akhter and Gussan Maaz Mufti

Design and Implementation of Livestock House Environmental Perception System Based on Wireless Sensor Networks 69

Weizheng Shen, Guanting Liu, Zhongbin Su, Rongyu Su, Yu Zhang

Study on Multi Objective Optimization Method and It Application in Aviation and Deceleration Device 79

Yu Guang-bin, Song Ye, Duan Yuan-wang, Zhao Xing-fu, Qu Zhigang and Sun Yong-guo

Research on the Development Efficiency of Family Farm based on DEA Model: A Case Study 93

Ningbo Cui, HeXiang Sang and Xingye Yu

Improvement Metaheuristic for the Time Dependent Vehicle Routing Problem Based on Simulated Annealing 105

Qingguo Jiang, Wei Shen and Chao Wang

Study on a Novel Data Classification Method Based on Improved GA and SVM Model 119

Jing Huo and Yuxiang Zhao

Geotourism as a Strategy of Geosite Empowerment Towards the Tourism Sustainability in Gunungkidul Regency, Indonesia 131

Endy Marlina

The Synchronization Design and Implementation of LTE-Advanced Real-Time Test Platform Based on Software Defined Radio 149

Peng Li, Yun-jian Jia, Fei Chen, Pei-hua He and Hui-fang Fan

UAV Remote Sensing Image Mosaic and Its Application in Agriculture 159

Yinjiang Jia, Zhongbin Su, Weizheng Shen, Jianqing Yuan and Zhenan Xu

System Management of Human Object on the Industrial Safety 171

Chol-U Lee, Jung-Hoon Lee and Ryum-Duck Oh

Research on the Application of Building Information Model Technology in the Design of Urban Residential Buildings in Cold Region 183

Rui Han, Yueqiu Gao and Dan Shao

Research on the Localization Algorithm of Transmitting Station Based on RSSI and GPS 195

Mingji Yang, Chenyi Zhan and Haoqun Shi

Analysis and Design of Gravitational Sub-Pumping Station

207

Tomas U Ganiron Jr

On Research IoT-based Intelligent Parking Management System and Its Design 217

Xu Zhiqing, He Jialianga and Li Haidong

Performance Analysis of Fuzzy based RED for Congestion Control in MANET 231

Richa Rai, Laxmi Shrivastava and Sarita Singh Bhadauria

Research on the Characteristics of Tourism Consumption Based on Network Data: A Urban-rural Perspective 241

Qihong Tan

Research on the Seismic Design of High-rise Steel Building Based on Security Perspective 253

Changhao Zhang, Jianhu Feng and Xuntao Wang

Research on the Influencing Factors of College Sports Teaching Based on Statistical Analysis 263

Hong Zhang

Fault Diagnosis of Coal Mine Equipment Based on Improved GA Optimized BP Neural Network 275

Jiangang Jin

A Hybrid Framework for Adaptive Protection of Microgrids Based on IEC 61850

Akhtar Hussain and Hak-Man Kim

Analysis on the Digging of Social Network Based on User Search Behavior 297

Junyi Du, Zhiyong Zhang and Changwei Zhao

A Novel Man-Machine Command System

305

Guo Hong-Tao

Evaluation on Home Fitness and Community Sports Activities Based on Network Survey311

Qingying Zhu and Jinhai Sun

A Novel Analysis System for Urban Construction Information Based on Case-Based Reasoning 321

Guanlin Chen, Yizhe Lu, Qun Liu and Ting Zhang

FPGAs in Manufacturing (Product Inspection System): Presence/Absence Detection 333

Evin Ramadeen and Marcus Lloyde George

Handoff Performance Analysis for Multihoming-based Network Mobility Scheme 339

Shayla Islam, Aisha-Hassan A. Hashim, Mohamed Hadi Habaebi and Mohammad Kamrul Hasan