# Table of Contents

**An Improved Method of Demodulation for Air-Ground Data Link Communication System**

1

*Yun Lin, Chao Lv, Xiaochun Xu and Bin Lin*

**Optimization of LEACH Protocol and Environmental Monitor System Design based on WSN**

9

*Xiajun Ding, Xiaodan Jiang, Lu zhang and Shuangxia Han*

**Fault Tolerant Clustering Protocol for Data Delivery in Wireless Sensor Networks**

21

*Deepali Virmani*

**A Collaborative Filtering Recommendation Algorithm Improved by Trustworthiness**

35

*Shengjun Xie*

**The Design of Wireless Sensor Network Gateway based on ZigBee and GPRS**

47

*Yanan Wang, Lingling Si and Shuo Liang*

**Analysis and Simulation of Fractal Antenna for Mobile Wimax**

57

*Ashish Ranjan, Manjeet Singh, Mohit Kumar Sharma and Narendra Singh*

**A Weight Cluster-Based Hybrid Routing Algorithm of ZigBee Network**

65

*Yan Li, An-na Yuan, Xue Liu, Yong-bin Du, Tian-xin Huang and Hao-xin Cui*
Research on Comparative Analysis of Regional Logistics Information Platform Operation Mode Based on Cloud Computing 73

Changming Li, Xiangdong Zhang and Lijie Li

Analysis and assessment of STATCOM's effectiveness in improving transient stability for power system 81

Le Ngoc Giang and Liu Kaipei

Evaluation of Trustworthiness based on Fuzzy Set Theory 89

Hua Sun, Jiong Yu, ZhenYu Zhang, Li Li and Bin Liao

Research on Model of Network Information Currency Evaluation Based on Web Semantic Extraction Method 103

Mo Chen, Xiao-Ping Yang, Meng Sun and Yun Zhao

A Technique for Data Encryption and Decryption 117

P. Srinivasarao, P. V. Lakshmipriya, P. C. S. Azad, T. Alekhya, K. Raghavendarao and K. Kishore

Research on Characteristics of Internet Bottleneck Delay in AS Autonomous Domain and Analysis of Evolution 127

Feng Ying and Zhao Hai

Network Coding-Based Priority-Packet Scheduler Multipath Routing in MANET using Fuzzy Controllers 137

Baolin Sun, Xiaocheng Lu, Chao Gui and Min Luo

Wireless ad-hoc Network Routing Protocol Research 149

Liu Li
Mobile Adhoc Routing Scheme in Reducing Energy Consuming 163

Jiang Xiaojie

Based on the Part of Routing Information Congestion Modeling Research with the Large-Scale Network 173

An Shuzhao and Wang Zhaohui

For Deformation Web Attacks based on Feature Recognition IPS Intrusion Prevention Technology Research 183

TaoYan and Yi-fei Zhang