Table of Contents

Research	on Modific	ation an	d Op	timizatio	n of Netwo	rk Topology	and
Internet	Security	based	on	Neural	Network	Structure	and
Mathemat	tical Optimi			1			

Gaoli Zhao, Junping Song and Wei Chen

Achieve Fairness in Rational Secret Sharing Protocol

13

Wang Jie

Secured Data Sharing based on Information Centric Trust in the Internet of Vehicles 23

Eun-Kyu Lee and Ki Young Lee

Optimization of Dynamic Programming to the Multimedia Packets Processing Method for Network Intrusion Detection System 35

Xu ZHAO, Jin Jiang and Max Stinnett

Malicious Processor Detection based on the Security Agent 47

Seong-Muk Choi, Yeol-Joo Ryou, Hoo-Ki Lee, Hee-Hoon Cho and Jong-Bae Kim

A New MAC Protocol PB-TDMA for WSNs Based on Event-driven 55

Hui Wang, Xuefeng Li, Yunfeng Wang

Evaluation and Prediction of Driver's Bad Driving Behavior Based on the Moving Vehicle Attitude 63

Huaikun Xiang, Shaopeng Yang, Shi An and Shaoyun Ren

Integrated Framework to Detect and Mitigate Denial of Serv	ice (DoS)					
Attacks on Duplicate Address Detection Process in IPv6 L	ink Local					
Communication						

Shafiq UI Rehman and Selvakumar Manickam

Research on Operating Performance and E-business Marketing Strategy in Retail Enterprises based on Online Shopping 87

Yongqiang Zhang, Yanlei Gao, Xiang Li and Duchun Wang

Botnet Detection Based on Genetic Neural Network

97

Chunyong Yin, Ardalan Husin Awlla, Zhichao Yin and Jin Wang

Draft of National Cybersecurity Act

105

Dea-woo Park

The RAS Scheduling Algorithm Based on 802.11n WIFI Router 113

Meng Han, Wenyu Chen, Wei Pi, Wen Li and Ru Zeng

Hybrid Key Management Scheme for Wireless Sensor Networks 125

R.Sharmila and V.Vijayalakshmi

Approaches of Collaborative Cloud Process Service: Constructing Service-Oriented Architecture 133

Chen Wang, Wu Zhao, Jie Wang and Ling Chen

Identification of Software NFR based on the Fuzzy-QFD Model 145

Shucheng Xiao, Jiafeng Wu, Erhua He and Zhendong Yang

Ensuring Data Confidentiality and Authentication through Encryption at Application Layer 155

Kaleem Ullah, M.N.A. Khan

The Invulnerability Studies on Data Center Network

167

Kai Peng and Binbin Huang

State of the Art of finite GMM Based Biometrics Face Authentication Systems 187

Soltane Mohamed

Machining Surface Quality Analysis of Aluminum Alloy Thin-Walled Parts in Aerospace 201

Dai Bing, Yu Guang-bin, Guan Yan-qi, Shao Jun-peng, Guan Yan-qi, Wu Xue-mei, Liu Yu-xin

Chinese Word Sense Disambiguation Based on Beam Search 209

Zhang Chun-Xiang, He Shan, Gao Xue-Yao and Lu Zhi-Mao

Implementation of Schnorr Signcryption Algorithm on DSP 217

Aya Elshobaky, Mohamed Rasslan and Shawkat Guirguis

Improved Subgraph estimation PageRank Algorithm for Web Page Rank 231

Lanying Li, Qiuli Zhou, Yin Kong and Yiming Dong

Network Intrusion Detection Model With Clustering Ensemble Method 239

Liang-Wei Chen

Network Security and Metrology: A Survey

251

Reham Abdellatif Abouhogail

A Trust-based Immune Strategy for File Pollution in P2P Networks 271

Xianwei Xu

A Novel Image Encryption Method Based On Couple Mapped Lattice and Two-Stage Diffusion 281

Yunsheng Zhong and Xu Xu

A Modular-Arithmetic-Based Encryption Scheme

293

Odule, Tola John, Awodele O.

A SECURITY DV-Hop Localization Algorithm Resist Spoofing Attack 303

Wanli Zhang, Qixiang Song

A Key Pre-distribution Scheme Based on Deployment Information 313

Shulan Xia, Jilin Wang, Ru-gang Wang

Cryptography Based Dynamic Multi-Keyword Ranked Search Using ECC/B+TRE 323

Prasanna B T, C B Akki

Research on College Students' English Learning Based on Network Language Differences between Chinese and English 337

Jun Liu

Reversing Bytecode of Obfuscated Java Based Smart Card Using Side Chanel Analysis 347

Mohammed Amine Kasmi, Mostafa Azizi and Jean-Louis Lanet

The Dynamic Effects of Psychological Contract to College Physical Education Teachers: an Network Organization Perspective 357

Yuan Xiaozhi, Wan Ping, Zhou Hang and Li Zhenliang

An Improved Decision-Making Model for Multimedia Teaching and College Students' Physical Health: an Empirical Analysis of Wushu Education 367

Wei Dongyi, Zhang Yan and Ruan Xiaojuan

Optimization of Rao-Blackwellized Particle Filter in Activity Pedestrian Simultaneously Localization and Mapping (SLAM): An Initial Proposal 377

Wan Mohd Yaakob Wan Bejuri, Mohd Murtadha Mohamad and Raja Zahilah Raja Mohd Radzi

A Stealthy Attack Against Tor Guard Selection

391

Quangang Li, Peipeng Liu and Zhiguang Qin

Mechanism on Computer Access Permission Management Based on the Proposed Dynamic Password Algorithm 403

Jiujun Cheng, Yang Yang, Jianyu Shao, Jingxue Liao

Anonymous Password-based Authenticated Key Agreement Scheme with Non-tamper Resistant Smart Cards 419

Yunghee Lee, Hyunsung Kim

Research on Hadoop Identity Authentication Based on Improved Kerberos Protocol 429

Daming Hu, Deyun Chen, Yuanxu Zhang and Shujun Pei