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Preface

The 2019 International Conference on Cyber Security Intelligence and Analytics (CSIA 2019) is an international conference dedicated to promoting novel theoretical and applied research advances in the interdisciplinary agenda of cyber security, particularly focusing on threat intelligence and analytics and countering cybercrime. Cyber security experts, including those in data analytics, incident response, and digital forensics, need to be able to rapidly detect, analyze, and defend against a diverse range of cyber threats in near real-time conditions. For example, when a significant amount of data is collected from or generated by different security monitoring solutions, intelligent and next-generation big data analytical techniques are necessary to mine, interpret, and extract knowledge of this (big) data. Cyber threat intelligence and analytics are among the fastest-growing interdisciplinary fields of research bringing together researchers from different fields such as digital forensics, political and security studies, criminology, cyber security, big data analytics, and machine learning to detect, contain, and mitigate advanced persistent threats and fight against organized cybercrimes.

Each paper was reviewed by at least three independent experts, and the acceptance rate was 45%. The conference would not have been possible without the contributions of the authors. We sincerely thank all the authors for their valuable contributions. We would like to express our appreciation to all members of the Program Committee for their valuable efforts in the review process that helped us to guarantee the highest quality of the selected papers for the conference.

We would like to express our thanks to Prof. Shunxiang Zhang, Anhui University of Science and Technology, and Prof. Xiangfeng Luo, Shanghai University, for being the keynote speakers at the conference. We would also thank the Steering Committee, General Chairs, Program Committee Chairs, Organizing Chairs, and Workshop Chairs. The local organizers' and the students' help is highly appreciated.

Our special thanks are due also to the editors for publishing the proceedings in Advances in Intelligent Systems and Computing of Springer.

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Contents

Regular Papers

Application of the CT Image Processing in the Urology Surgery 3
Xuan Huang, Juan Peng, and Laiqing Sen

Application of the Data Mining Technology in the Economic Management in the Age of Big Data 9
Wenbiao Luo

Comprehensive Evaluation System Which Adapt to the Layout of Power Facilities and the Utilization of Channel Resource Based on the New-Type Urbanization 15
Bin Ye, Xuli Wang, Bin Hu, Junxi Ren, Xuemei Shi, and Lei Wang

Computer Desktop Image Compression Technology Based on the Clustering Algorithm 24
Liu Fei

Construction of the English Teaching Model Based on the Interactive Network Streaming Media 30
Mao Zhi and Wang Ping

Design and Implementation of the Image Processing Software Based on the Infrared Image Feature Matching 37
Fei Tian and Shilin Cui

Design and Implementation of the Image Processing Software Based on the Wavelet Transform 43
Shilin Cui and Zhanzheng Wan

Design and Implementation of the School Sports Management System Based on WEB 49
Guanghui Sun

Design and Research on the Chinese Medicine Health Management System Based on the Wireless Sensor Network 55
Xiang Gao, Liuyun Lin, Tianying Lan, and Xinyan Gan

Design of the In-depth Intelligence Education System Based on the Intercultural Communication 62
Minzi Song

Design of the Network Security Intrusion Detection System Based on the Cloud Computing 68
Meng Di

Design of the Small Microstrip Antenna Based on the WLAN/UWB Wireless Communication System 74
Jiangyun Qiu

Development and Application of the Computer Integrated Management System for the Sports Teaching Platform 80
Shoucheng Zhang

Development and Design of the Virtual Design System Based on the Visual Communication 86
Bai Xue

Innovation of the School Computer Teaching Model Based on the Information Network and the Intelligent Campus 92
Zhang Qian

Integration Theory and Optimal Application of the Traffic Accident Management System 99
Junhui Zhang

Paleomagnetic and Sedimentary Evidence for the Multi-stage Paleoenvironmental Evolution of Prydz Bay Based on Big Data Analytics 105
Zhongyang Lin, Xibin Han, Xianglong Jin, Liang Yi, and Zhenggang Li

Preliminary Exploration of the Distribution Characteristics and Influencing Factors of the Intangible Cultural Heritage in Sichuan Province Based on GIS 114
Yiming Xu, Siyang Gu, and Ying Liu

Real-Time Video Edge Enhancement IP Core Based on FPGA and Sobel Operator 123
Boyang Liu

Research and Implementation of the Intelligent Tourism System Based on VRGIS 130
Yongqi Liao

Research on Robot Control Based on Reinforcement Learning 136
Gang Liu

Research on the Agricultural Remote Sensing Image Enhancement Technology Based on the Mixed Entropy Model 142
Youzhi Zhang

Research on the Application of Computer Aided Translation CAT in the Field of Translation 148
Wang Yang

Research on the Application of the Computer Big Data Technology in the Urban Power Energy Conservation 155
Jieran Shen, Baocai Zhao, Rui Liu, and Feng Jiao

Research on the Data Mining Technology in College Students' Attendance System Based on the Big Data Architecture 162
Zhong Jian

Research on the Directional Control of Direct Magnetic Field of the Locomotive Asynchronous Traction Motor 168
Tiezhu Zhang and Qiongjie Zhang

Research on the English Teaching Resource Library Management System Based on the Computer Technology 174
Junmin Wu

Research on the Ideological and Political Education Service Platform Based on the Campus Network Environment 181
Xinglong Du

Research on the Image Feature Matching Technology and Its Application in the Computer Vision System 188
Qing Liu

Research on the Influences of the Invisible Environment of Language Laboratories on the Practical Teaching Based on the Network 194
Zhang Fan

Research on the Motion Control and the Coordination Method of the Autonomous Mobile Robots 200
Li Ning

Research on the Motion Simulation System Based on Association Rule Mining 206
Zhanke Ma

Research on the Optimizing Process of the Basic Image Processing Algorithms 212
Huie Zhang

Research on the Privacy Security and Defense Strategies on the Internet of Things Platform 218
Qian Bian, Zhenduo Wang, Yingqiang Wang, and Weigang Zhang

Research on the Security Analysis and Management of the Network Information System Based on the Big Data Decision Making 224
Weigang Liu

Research on the Security Risks and the Preventive Strategies of Android Smart-Phones 230
Zhenduo Wang, Qian Bian, and Xinzhi Tian

Research on the Simple Algorithms for the Logistics Network Layout in the Mobile Network E-Commerce 236
Fan Ming

Research on the Sports Biomechanics Modeling of the Human Motion Technical Movements 243
Jiafa Li and Huihui Du

Research on the Sports Teaching System Based on the Data Visualization 249
Zhanke Ma

Reverse Digital Repair and Evaluation Analysis of Injection Mold Face Defects 255
Jun Fan

Sedimentary Facies and Paleoenvironment Significance of Hole BZK01 in the Yangtze River Delta Plain Since Pliocene Based on Big Data Analytics 265
Zhongyang Lin, Xianglong Jin, Zhaohui Zhu, Shaojun Pan, and Xudong Zhao

Simulation Analysis of Dynamic Characteristics of AC Motor Based on BP Neural Network Algorithm 277
Shuang Wu and Jian Liu

Simulation and Optimization of the Scenic Beauty of Green Plants in the Landscape Design 287
Xiang Pan and Qing Lin

Simulation of the Hydraulic Support System and the Constant Pressure Liquid Supply Based on Intelligent Systems 293
Mei Sun and Jianping Tan

Study of the Chinese-English Translation of Computer Network Terms 299
Fenfen Zhu

Study of the Soybean Imitation Cheese Based on Intelligent Systems and Big Data Analytics 305
Zhiguo Zhang and Qi Zeng

Study of the Structural Renewal of "Snow Bud" in Shutao Company Based on Intelligent Systems and Big Data Analytics 311
Yiming Xu, Siyang Gu, and Pinwu Li

A Brief Analysis of the Literature Network Resource Mining and Data Development 319
Jianguo Gao

A Study of the 3D Animation Technology Based on the Internet 325
Jing Pu and Xinxin Nie

Analysis of the Information Service Levels of the Agricultural Economy in the Environment of the Internet of Things and the Cloud Computing 332
Meng Yue

Application of the Architectural Animation Virtual Technology in the Landscape Architecture Design 339
Chunyan Zhu, Yizhi Jiang, Yuanyuan Zhang, Yujia Zhang, and Ying Xie

Application of the Big Data Technology in the Chain Operation Management 345
Xiaohua Tang

Application of the Computer Vision Technology in the Image Feature Extraction 351
Yunhui Qu

Chinese Entity Synonym Extraction from the Web 357
Xiuxia Ma, Xiangfeng Luo, Subin Huang, and Yike Guo

Mining Friend Relationship Existing in Microblog Based on Building Relationship Description Dictionary 364
Nana Wang, Shunxiang Zhang, and Zheng Xu

Remaining Useful Life Prediction of Power MOSFETs Using Model-Based and Data-Driven Methods 373
Jinjing Wu, Zheng Xu, and Xiao Wei

Application of Improved Grey Predictive Control Adaptive PID Control Algorithms in Temperature Control 382
Yinjun Zhang and Mengji Chen

Application of Improved Grey Predictive Control in Alcohol Temperature Control 388
Yinjun Zhang and Mengji Chen

Human-Simulation Logical Predictive Controller Design 394
Mengji Chen and Yinjun Zhang

Iterative Learning Control for Uncertain Time-Delay Reaction Diffusion System 399
Yinjun Zhang and Mengji Chen

Iterative Learning Control of Discrete Generalized Distributed Parameter 407
Mengji Chen and Yinjun Zhang

The Multi-model Predictive Control Method Research on the Outlet Temperature Control of Hot-Blast Stove 415
Mengji Chen and Yinjun Zhang

Design of Embedded Data Acquisition Integrated System Based on SQLite Database 420
Jin Xing and Yonghui Zhang

The Analysis of Structure and Freedom for Space Position Adjustment Platform 429
Shuguang Zhang, Chenbing Guo, and Mingchen Wu

Application of Support Vector Machine Based on Particle Swarm Optimization in Short-Term Load Forecasting of Honghe Power Network 437
Jing Hua, Wei Xiong, Lin Niu, and Linlin Cao

Research and Implementation of Security Vulnerability Detection in Application System of WEB Static Source Code Analysis Based on JAVA 444
Hui Yuan, Lei Zheng, Liang Dong, Xiangli Peng, Yan Zhuang, and Guoru Deng

Application of Deep Learning Algorithm Based on Multimodal Regularization in Detection Robot Grasping 453
Shunan Liu, Xiaoli Wang, and Haidong Huang

Research and Improvement on the Linkage of 2D and 3D Based on Multi-touch Technology 462
Youjian Yu, Xiangyi Meng, and Zihui Chen

Simulation of QoS Routing Algorithm Based on SDN Framework 469
Zhaochenzi Zhang and Yanfang Fu

The Research on Core Development Technology of Security Big Data Application Platform 479
Gao Chai

Research on Parameter Optimization of Tracked Vehicle Transmission System Based on Genetic Algorithm 487
Lingjun Wei, Haiou Liu, Huiyan Chen, Ziye Zhao, Yi Xu, and Hongyan Zhang

Adaptive Discrete-Time Sliding Mode Control of Brushless DC Motor Servo System for Unmanned Surface Vehicles 496
Zhongjiu Zheng, Ning Wang, and Hong Zhao

Application of Learning Trajectory Preference Algorithm Based on On-Line Iterative Feedback in Robots 505
Shunan Liu, Xiaoli Wang, and Haidong Huang

Review on Non-spherical Surface Detection Technology 513
Bo Yu, Yan Li, Xiaodong Li, Shijun Luo, and Haibo Li

Novel of Web Search Strategy Based on Web Page Block Granularity Analysis Algorithm and Correlation Calculation Model 521
Ganglong Fan and Hongsheng Xu

Electricity Consumption Prediction Model Based on Bayesian Regularized BP Neural Network 528
Chenghao Yuan, Dongxiao Niu, Changzu Li, Lijie Sun, and Longxiu Xu

The Research on Teaching and Research Team Construction and Management in Vocational Education Institutions 536
Hong Zhang and Zhao Yao

Research on the Development Trend and Coping Strategies of Internet Finance 543
Xiaoxia Wu and Heyu Xiao

Research on the Development Trend and Protective Measures of Campus Network Security in Colleges and Universities 550
Deling Ran

The Safety Calculation and Simulation Analysis of Guyed Travelling Carriage for Main Beam of Polonggou Bridge 559
Xiaojie Wu and Yuebo Zhang

Human Action Recognition Based on Fusion Features 569
Shiqiang Yang, Jiangtao Yang, Fei Li, Guohao Fan, and Dexin Li

Effective Teaching Design Scheme for Network Troubleshooting 580
Xiaoqi Yin

Research on Fatigue Test Based on Mobile Phone Gesture Design 590
Fujun Ma, Yan Liu, Fanghao Song, Junfeng Li, and Chhunli Liu

Two-Echelon Location Routing Problem with Multi-fuzzy and Pick-Delivery Model and Algorithm 600
Hong Li and Sujian Li

Analysis of FY-4 Satellite Lightning Data Processing Based on MATLAB 611
Xiangke Liu, Leqi Chen, Meng Deng, and Peng Shang

Design of Wireless Sensor Network Node Based on CC2430 619
Jintao Yu, Liangliang Yu, and Cheng Wang

A Preliminary Study on the Introduction and Disposal of Pollutants from Hazardous Waste Transfer and Single Billing System 626
Dongfang Zhang and Songming Wang

Research on the Integration of Marketing Management and Big Data Technology 633
Dian Jia

Analysis of Printing Talents Training Mode Under the Background of Internet+ 640
Yongxin Liu and Guohua Song

Development and Future Trends of Internet of Things 648
Wencheng Liu, Fei Li, and Yan Li

The Impact of Data Quality on Neural Network Models 657
Chunmei Li, Zhao Li, Xu Jun, and Wei Pi

Research on Improvement Method of RF Phase of Antenna Tracking System 666
Haidong Zou and Hongmin Li

Scientific Researcher Credit Evaluation Model Design 673
Yan Zhao, Li Zhou, Bisong Liu, Zhou Jiang, and Jing Wang

Practice on the Sustainable Development of Talent Cultivation Mode in the Context of Big Data 682
Limei Chen

Research on the Automatic Test System of Motor Drive 692
Chen Tang and Maoyun Zhang

Remote Teaching System Based on Cloud Platform 700
Shuyan Wang, Xiaohui Li, and Lingyun Meng

The Review of Risk Identification of E-Commerce Supply Chain Under the Network Economy 706
Ping Kang and Tianyu Zhang

Research on Multiple-Degree-of-Freedom Manipulator 714
Zezhong Chen

Research on Green Exhibition Technology and Construction of the Application Evaluation System 722
Aimin Wei

An Improved Load Balancing Algorithm Based on Neural Network . . . 730
Rui Song and Hongqiong Huang

Research on International Logistics Supply Chain Management Mode from the Perspective of Cross-border E-commerce 737
HaiLan Pan

Optimization of Logistics Warehouse Location Based on Genetic Algorithm 745
Xu Wang and Qing Xia

Application of Intelligent Algorithms in System Integration Design 753
Hequn Wu

Research on Obstacle Avoidance of Mobile Robot Based on Multi-sensor Fusion 760
Ting Wang and Xiaoqing Guan

Interaction Steady State Transportation Network and Planning Optimization Model 771
Baiyu Chen, Da Fu, and Yuanyuan Yang

Fatigue Damage and Creep Modeling of Combined Rotor and Its Application 781
Lijun Guo

Electromagnetic Force of Power Transformer with Different Short Circuit Current Based on FEM 788
Yan Wu, Lingyun Gu, Xue Zhang, and Jinyu Wang

Analysis and Research of Dynamic Data Path Selection Algorithm in Heterogeneous Networks 798
Zaiyi Pu

Contribution Title Graphical Language Transmission Mechanism in Visual Communication Design Based on Data Abstraction 806
Rui Li, Chunyan Li, and Meiyan Tian

Deep Learning Approaches for Voice Activity Detection 816
Mantao Wang, Qiang Huang, Jie Zhang, Zhiyong Li, Haibo Pu, Jinglan Lei, and Lanjing Wang

A State Observer Design for Dual Lipschitz Nonlinear System 827
Yiyuan Shao

Research on Speech Enhancement Algorithms Based on Blind Source Separation in Outdoor Environment 837
Chunli Wang and Quanyu Wang

An Improved Apriori Algorithm Research in Massive Data Environment 843
Yu Xu, Ranzhi Zhan, Gang Tan, Lu Chen, and BoJin Tian

Research on the Development Trend of Online Education Industry Considering the Influence of Big Data and Artificial Intelligence 852
Yong Fu

Feature Analysis and Selection in Acoustic Events Detection 860
Mantao Wang, Jie Zhang, Haitao Tang, Zhiyong Li, Jun Li, and Yuchen Wang

Prediction of Dollar Exchange Rate Based on Wavelet Neural Network 869
Chen Liu, Hongyan Wu, and Wenbin Liu

Computer Performance Determination System Based on Big Data Distributed File 877
Kong Lu

Research and Application of Bipartite Graph Optimal-Matching Algorithm on Task-Driven Teaching Method 885
Mei-shan Li, Jia-mei Xue, and Yue Liu

Research on Hybrid Quantum Genetic Algorithm Based on Cross-Docking Delivery Vehicle Scheduling 893
Yue Yang

Optimization and Improvement of Lucene Index Algorithm 901
Ya Tao Su

Social Public Safety Investigation and Prevention Based on Big Data 908
Qing Lu, Jun Lu, and Xin Chen

Intelligent Diagnosis of Middle and Low Voltage Distribution Network Fault Based on Big Data 916
Jing Hua, Yan-Ping Zhou, Wei Xiong, Lin Niu, and Xu Zhao

Using Three-Frame Difference Algorithm to Detect Moving Objects . . . 923
Zhigao Zhang, Hongmei Zhang, and Zhifeng Zhang

Research on Computer-Aided Ideological and Political Teaching Based on Constructivism 929
Yu Zhang

Research and Implementation of Web Application System Vulnerability Location Technology 937
Lei Zheng, Hui Yuan, Xiangli Peng, Guowei Zhu, Yue Guo, and Guoru Deng

Analysis of Factors Affecting Construction Cost of Line Engineering and Cost Control Strategy 945
Chen Wu, Bing-Jie Li, Qian Ma, Yin Wu, Hong-Da Zhao, Dong-Xiao Niu, Hao Zhen, and Zhuoya Siqin

Analysis and Application of Mapreduce Architecture and Working Principle 955
Hongsheng Xu, Ganglong Fan, and Ke Li

Design of Temperature Control System for BIW Phosphating Process 962
Weijie Gou, Lihong Wang, and Zhaokai An

The Impact of Artificial Intelligence on the Accounting Industry 971
Yanling Shi

Application and Realization of Genetic Algorithm Based on MATLAB Environment 979
Yan Li, Bo Yu, Xiaodong Li, Shijun Luo, and Haibo Li

Research on the Integration and Innovation of Cloud Computing Technology and Enterprise Management by Internet Companies 986
Dian Jia

Strategic Thinking on the Transformation and Development of Printing Industry Under the Background of Internet+ 993
Guohua Song and Yongxin Liu

Control Strategy of Unmanned Aerial Vehicle Based on Extended State Observer 1000
Dan Wu

The Impact Factors of Neural Network Based Time Series Prediction: Taking Stock Price as an Example 1007
Yue Hou, Heng Liu, Bin Xie, and Feng Ding

Laser Scanning Imaging System Research and Development Trend Analysis 1015
Maoyun Zhang, Chen Tang, Zhenglin Yu, and Fenglong Chen

A Survey of Group Intelligence Optimization Algorithms 1024
Chunguang Chang and Xi Wu

Design of Multi-layer Industrial Internet of Data Mine Network Model Based on Edge Computation 1034
Haibo Peng, Qiaoshun Wu, Jie Li, and Rong Zhou

Analysis and Research on Speech Enhancement Algorithms for Mobile Communication 1041
Chunli Wang and Quanyu Wang

Research on Three-Dimensional Localization Algorithm for WSN Based on RSSI 1048
Yu Shi, Hua Liu, Weiyu Zhang, Yong Wei, and Jinfeng Dong

Intelligent Recognition System for High Precision Image Significant Features in Large Data Background 1056
Kong Lu

Research and Guidance on the Use of New Media by Grassland Herdsmen in the Big Data Era 1063
Yan Cui

Design and Implementation of Enterprise Network Security System Based on Firewall 1070
Hui Yuan, Lei Zheng, Shuang Qiu, Xiangli Peng, Yuan Liang, Yaodong Hu, and Guoru Deng

Metadata Storage and Query of Hive Based on Hadoop Distributed Platform 1079
Hongsheng Xu, Lan Wang, and Ganglong Fan

Quality Evaluation of Tank Shooter Night Vision Image Fusion Based on Mark Watershed 1086
Zhao Yao

Research on Transformation and Innovation of Editing and Publishing Under the Background of Media Convergence 1094
Hongyuan Li and Yanhua Yin

An Improved K-means Clustering Algorithm Based on Hadoop Platform 1101
Xiangru Hou

Research on Intelligent Detection System for Information Abnormal Defect Based on Personalized Recommendation of E-Book 1110
Kong Lu

Research on Distributed High Speed Network Intrusion Prevention System 1118
Lei Zheng, Hui Yuan, Xiangli Peng, Guowei Zhu, Yue Guo, Hao Xu, and Guoru Deng

Ecosystem Description of Hadoop Platform Based on HDFS, MapReduce and Data Warehouse Tool Hive 1127
Hongsheng Xu, Xiangkui Chen, and Ganglong Fan

Research on a Network Communication Data Privacy Protection System Based on OFDM Technology 1134
Kong Lu

Research on College English Teaching System Based on Resource Library and Network Support Platform 1142
Lu Wei and Binquan Liu

Video Information Propagation Interruption Monitoring System Based on Electromagnetic Interference 1150
Kong Lu

Application Research of Intrusion Prevention System in Emergency Platform Network 1158
GuoRu Deng, Hui Yuan, Liang Dong, Shan Yang, Zheng Yu, Yan Zhuang, Haohua Meng, and Xuan Luo

Research on Core Data Protection Based on Cloud Computing 1167
Guoru Deng, Shuai Hu, Hui Yuan, Liang Dong, Yan Zhuang, Shan Yang, Xuan Luo, and Yixi Wang

The Development Research of Gesture Recognition Based on Human Interaction 1175
Jingliang Lai

Short Papers

Research on Computer Aided Design Software Innovation Based on VR Technology 1185
Lei Zheng and Ruibo Song

Equipment and Application of Iris Recognition in Public Security 1190
Cheng Cheng, Bo Zhao, Zheng Xu, and Xiao Wei

Study on the Risk and Analyze the Preventive Measures of We-Chat Pay 1195
Yongxiang Ma

Research on General Wearable Technology Based on Embedded Operating System 1200
Ting Zhang, Bingqian Li, Chenwang Xu, and Jiahao Wang

Analysis of the Guiding Effect of Movie and TV Tourism Memes Based on Big Data 1205
Yali Liu and Meiyun Zhang

Research on Mutual Information Registration Method Based on Gradient Edge Information 1211
Lianhuan Li

The Studied for the Positive and Negative Solutions of the 6-dof Motion Platform 1217
Yiying Chen

A Review of Context-Based Personalized Recommendation Research 1222
Yi Ren, Cuirong Chi, and Jintao Zhang

Matching Technology of Internet of Things Based on Multiple Linear Regression Model in Urban Management 1228
Peilu Feng and Pingquan Wang

Optimization of Echo Parameter in Intelligent Instrument Under the Condition of Numerical Stability 1234
Ke Song

Development of Position Detection Sensor Based on STM32 1239
Jian Huang and Guangpeng Zhang

Study on Intelligent Ventilator 1245
Na Wang, Rui Wang, and Yuanyuan Wang

Analysis on the Importance of Price Support-Resistance Levels of Chinese Stock Market Based on the Proposed Information Granulation and FCM Clustering Algorithm 1251
Xianchang Wang, Jiayu Wang, Xuhong Lin, Lin Xue, Meiying Zhu, Qianqian Song, and Xin Wang

Charging Analysis of Pipeline Robots Charged by Flow Power 1256
Xiaomin Shan and Guangyu Liu

Reflections on the Application of AI in Auditing Practice in the Context of Big Data 1262
Xiaohong Wang

Research on Safety Cost Optimization Model of Prefabricated Building 1268
Chunguang Chang and Xi Wu

Study on Distortion Characteristics of Analog Circuit by Nonlinear Degree of Integrated Circuit Amplifier 1274
Wang Tao and Sun Wen

Gronwall Extension and Application to First Order Delay Differential Equations 1280
Zhongqian Wang and Zhibin Yan

Research on Improvement of Particle Swarm Optimization 1287
Chunguang Chang and Xi Wu

The Rolling Process Analysis and Groove Optimization of 16# I-Beam Based on FEM 1293
Rui Tang and Qi Zhang

Study on the Management Mode of Asphalt Pavement Cracks in Different Climatic Zones 1299
Xin Lan and Xiangguo Chang

Research on Target Recognition Method Based on Laser Point Cloud Data 1305
Fan Yu, Yanxi Wei, and Haige Yu

Summary of Research on Computing and Cloud Computing 1311
Xin Sui and Yi Sui

Prediction Model of Milling Surface Roughness Based on Genetic Algorithms 1315
Ying Chen, Yanhong Sun, Han Lin, and Bing Zhang

The Research on Network Security Situation Awareness Technology 1321
Yongmei Zhang, Yanmei Jia, and Jinxiang Zhong

The Research on Street Landscape Design in Smart City Based on Big Data 1327
Wenjun Wang

Adaptive Scheduling Algorithm for Hadoop Node Capability in Heterogeneous Resource Environment 1332
Ming Zheng and Mugui Zhuo

Application and Practice of Deep Learning Platform in Automobile Field 1337
Yingzi Wang, Xiangyi Fang, and Jue Hou

Exploration and Practice of Market-Oriented Photoshop Image Processing Course 1342
Xiao Wang

Advertising Icon Design and Communication Conception Under the Condition of EEG and Eye Movement Experiments—Taking the Lingmei Omnimedia E-Commerce Platform Mobile APP as an Example 1348
Yan Cui

Research on the Influencing Factors of Residents' Travel Based on Bayesian Network 1354
Fengying Wang, Liming Du, Gui Li, and Jie Dong

Research on the Development of Western Coal Industry Under the Background of Big Data 1360
Xing Li, Yadi Nan, and Ting Li

Research and Application of Substation Safety Control Technology Based on Internet of Things Technology 1366
Tianzheng Wang, Zhumao Lu, Shaohui Feng, Hua Yu, and Yongxin Liu

Research on Multi-source Image Fusion Method Based on FCM and Wavelet Transform 1371
Lianhuan Li

The Analysis and Research of Lifting Scheme Based on Wavelet Transform 1377
Li Ding and Weiqing Chen

A Survey of Personalized Recommendation Algorithm Selection Based on Meta-learning 1383
Yi Ren, Cuirong Chi, and Zhang Jintao

Study of Signal Remote Monitoring System Based on Template Technology in Timing System 1389
Wei Wu and Haidong Zou

Research on E-learning Teaching Assistant System Based on Improved Particle Swarm Optimization Algorithm 1395
Yue Liu, Jiamei Xue, and Meishan Li

Design of Tracing Car Based on Photoelectric Sensor 1401
Huang Jian

An Improved Particle Swarm Optimization Algorithm 1406
Chunguang Chang and Xi Wu

A Statistical Process Control Approach to Global Optimization of System Integration 1411
Hequn Wu

Research on 3-D Laser Point Cloud Recognition Based on Depth Neural Network 1416
Fan Yu, Yanxi Wei, and Haige Yu

Information Management System and Supply Chain Management (SCM) 1421
Yefu Tang and Yanju Liu

Development of Hadoop Massive Data Migration System 1427
Ming Zheng and Mugui Zhuo

Talent-Training Mode Exploration in Software Major Between Universities and Enterprises Based on the Perspective of Big Data 1432
Xiaoming Yang

Analysis of Factors Affecting Power Grid Investment Based on Johansen Cointegration Analysis Theory 1437
Wang Zhang, Kaihui Nan, Qinggang Yang, Jianfeng Zhang, Hong Chen, and Xinyan Zhang

Direct Torque Control System of Electric Vehicle Based on Torque Hysteresis Adjustment 1443
Taihua Jia

Author Index 1449