

First International Conference on Information Sciences, Machinery, Materials and Energy

(ICISMME 2015)

Advances in Intelligent Systems Research Volume 126

**Chongqing, China
11 – 13 April 2015**

Part 1 of 3

ISBN: 978-1-5108-0307-7

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2015) by Atlantis Press
All rights reserved.

<http://www.atlantis-press.com/php/pub.php?publication=icismme-15>

Printed by Curran Associates, Inc. (2015)

For permission requests, please contact Atlantis Press
at the address below.

Atlantis Press
29 avenue Laumière
75019 Paris
France

contact@atlantispress.com

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

PART 1

INFORMATION SCIENCES AND ELECTRONICS

| | |
|--|-----|
| FINE-GRAINED SERVICE SIDE ACCESS CONTROL MODEL FOR WEB APPLICATION | 1 |
| <i>Zhijun Liang, Hua Zhang, Zhonghua Zhao</i> | |
| A DYNAMIC OPTIMIZATION FOR LOCAL BUS SYSTEMS | 7 |
| <i>Yibing Wang, Yuqing Tian</i> | |
| POWER ALLOCATION FOR PARALLEL CHANNELS WITH ONE-BIT ANALOG-TO-DIGITAL CONVERSION | 13 |
| <i>Zhide Li, Zhou Lv, Xuedan Zhang</i> | |
| STATE OF CHARGE ESTIMATION FOR LI-ION BATTERIES BASED ON DOUBLE EXTENDED KALMAN FILTERING METHOD | 19 |
| <i>Zhou Lv, Zhide Li, Yuhan Dong</i> | |
| RADAR IMAGING OF THE TARGET INSIDE A DIELECTRIC BOX | 25 |
| <i>Zhijie Xie, Hui Yue, Zichang Liang</i> | |
| ARINC - 429 AIRBORNE COMMUNICATIONS TRANSCEIVER SYSTEM BASED ON FPGA IMPLEMENTATION | 31 |
| <i>Hao Liu, Cao Gu, Shiguo Ma, Xin Li, Gang He</i> | |
| NON-INDEPENDENT INTELLIGENT CREATURES REINFORCEMENT LEARNING MECHANISM RESEARCH BASED ON I-XCS | 36 |
| <i>Pengjian Xi, Jianxiang Tan</i> | |
| IMPLEMENTATION OF ELECTRONIC RECOGNITION SYSTEM FOR RAILWAY LOGISTICS BASED ON INTERNET OF THINGS TECHNOLOGY | 44 |
| <i>Xianwu Chu, Weidong Li, Zhirong Zhang, Xinpeng Wang, Niu Li</i> | |
| NUMERICAL SIMULATION ON MOVEMENT BEHAVIOR OF AIR BUBBLES IN VISCOUS FLUID | 48 |
| <i>Fangwei Xie, Jianzhong Cui, Qi Sun, Diancheng Wu, Yaowen Tong</i> | |
| APPLICATION OF TIME-VARYING ACCELERATION COEFFICIENTS PSO TO FACE POSE ESTIMATION | 52 |
| <i>Yudong Zhang, Shuihua Wang, Genlin Ji</i> | |
| RESEARCH ON A DYNAMIC TRUCK SCALE WEIGHING SYSTEM FOR CONTAINER | 58 |
| <i>Mingwang Dong, Feifei Zhu, Wenyi Yu</i> | |
| THE INVESTIGATION ON MULTIMODAL BIOMETRIC RECOGNITION | 64 |
| <i>Aili Geng, Liyang Liu</i> | |
| DESIGN AND REALIZATION OF HARDWARE-IN-THE-LOOP SIMULATION SYSTEM FOR PULSED LASER FUZE | 68 |
| <i>Zhilin Gao, Huimin Chen, Kerong Cai</i> | |
| CHAOTIC SIGNAL GENERATOR DESIGN BASED ON DISCRETE SYSTEM | 73 |
| <i>Baishan Zhao, Qiligen Wuyun</i> | |
| STUDY ON THE PEACE WAR TRANSFORMATION MECHANISM OF EQUIPMENT MAINTENANCE MOBILIZATION | 77 |
| <i>Peng Dong, Zhaohui Luo, Kewen Wang</i> | |
| A PARAMETER SELECTION METHOD OF SUPPORT VECTOR MACHINE BASED ON IMPROVED FOA | 81 |
| <i>Huishu Shi, Yi Zhu, Ye San, Lei Wang</i> | |
| DESIGN AND IMPLEMENTATION OF ZIGBEE WIRELESS BUS MONITORING SYSTEM | 85 |
| <i>Weihai Li, Zhongdong Yu, Yansong Cui, Jinzhu Wu, Zhirui You</i> | |
| LOW-VOLTAGE POWER LINE NOISE ESTIMATION USING COMPRESSED SENSING | 89 |
| <i>Zepeng Hu, Yue Yang, Qun Wan</i> | |
| A SYSTEM PREVENTING CHILDREN FROM GETTING HIT WHILE PASSING BY THE FRONT BASED ON LASER SENSOR | 94 |
| <i>XiaoWei Chen, Wenyu Niu, Yiping Luo, Jie Yang, XiaoWei Chen</i> | |
| ELECTRONIC COMBINATION LOCK SYSTEM SIMULATION RESEARCH | 98 |
| <i>You Gui Zhao</i> | |
| AN NOVEL POWER FLOW CALCULATION MODEL WITH THE ELIMINATION OF INTERCONNECTING NODES | 102 |
| <i>Shuanbao Niu, Jili Wang, Chao Huo, Jun Liu</i> | |
| LOCATION OPTIMIZATION PROBLEM WITH MULTI REFINERIES AND MULTI STATIONS | 108 |
| <i>Na Wang, Xinshe Qi, Jianhang Zhang, Qingzheng Xu</i> | |
| AUXILIARY DIFFERENTIAL EQUATION (ADE) IMPLEMENTATION OF COMPLEX-FREQUENCY SHIFTED PERFECTLY MATCHED LAYER (CFS-PML) | 116 |
| <i>Jinzu Ji, Peilin Huang, Yunpeng Ma</i> | |
| AN IMPROVED ALPHA-BETA TRANSFORMATION METHOD OF VOLTAGE SAG DETECTION | 122 |
| <i>Lin Peng, Minyou Chen, Minglin Wang</i> | |

| | |
|--|-----|
| THE ANALYSIS ON THE EFFECT OF PASSENGER CAR AIR CONDITIONING AND DISTRIBUTION WITH DIFFERENT INLET PARAMETERS | 129 |
| <i>Hao Yang, Yidong Wang, Taibi He</i> | |
| DESIGN OF REAL-TIME IMAGE ACQUISITION AND DISPLAY SYSTEM BASED ON EMBEDDED LINUX | 134 |
| <i>Xiaohan Guan, Wangyi Shi</i> | |
| AN IMPROVED DOUBLE-THRESHOLD COOPERATIVE SPECTRUM SENSING ALGORITHM | 141 |
| <i>Yongxiu Feng, Dengyin Zhang</i> | |
| STUDY ON THE VOLTAGE REGULATION DEVICE AT THE END OF THE LOW VOLTAGE LINE | 145 |
| <i>Shengli Xie, Xiaodong Zhang, Liping Liu, Bo Ning, Huixin Song</i> | |
| THE OPTIMAL RESOLUTION OF GARMENT 3D MODEL BASED ON GEOMETRIC DEVIATION AND CURVATURE ANALYSIS | 151 |
| <i>Wei-Min Xiao, Yue-Qi Zhong, Ge Wu</i> | |
| PRELIMINARY BEHAVIOR ANALYSIS OF CURVILINEAR TRIANGULAR QUADRATURE ELEMENTS | 156 |
| <i>Jia Xu, Hongzhi Zhong</i> | |
| A METHOD OF MOVING AVERAGE FILTERING FOR NON-UNIFORMLY SAMPLED SIGNALS | 160 |
| <i>Yu-Kai Gao</i> | |
| RESEARCH ON PRODUCT TECHNICAL MATURITY FORECASTING AND R & D STRATEGY BASED ON TRIZ | 165 |
| <i>Changqing Gao, Jianhua Sun, Pengjie Zhai, Xiaowen Chi</i> | |
| SU DEER SPECIAL STRUCTURE WITH 3 D SEISMIC DATA INTERPRETATION | 171 |
| <i>Yuting Dong, Shizhong Ma, Rubin Li</i> | |
| THE DESIGN OF REAL-TIME IMAGE COMPRESSING SYSTEM BASED ON DSP AND FPGA | 176 |
| <i>Lin Lu, Xiaofeng Li</i> | |
| STABILITY PREDICTION OF COAL MINE WATER DISASTERS EMERGENCY RESCUE SYSTEM BASED ON SUPPORT VECTOR MACHINE | 180 |
| <i>Yan- Liang Zhang, Yang Liu</i> | |
| NEAR INFRARED SPECTROSCOPY ANALYSIS BASED ON SUPPORT VECTOR MACHINE | 186 |
| <i>Min Li, Linju Lu, Jin Cao</i> | |
| RESEARCH ON REPRESENTATION AND RETRIEVAL FOR EQUIPMENT FAULT INFORMATION BASED ON DOMAIN ONTOLOGY | 190 |
| <i>Yongjie Li, Houxiang Wang, Jingjing Zhang</i> | |
| DYNAMIC INVERSE BASED CONTROLLER FOR A HYPERSONIC FLIGHT VEHICLE | 195 |
| <i>Lindong Zhao, Shengjing Tang</i> | |
| PACKET SCHEDULING IN WIRELESS NETWORKS WITH UNRELIABLE LINKS | 199 |
| <i>Jun Xu, Jianfeng Yang, Zhongwen Li, Chengcheng Guo, Yinbo Xie</i> | |
| AIRCRAFT FUEL SYSTEM FUZZY FMEA AND FMECA ANALYSIS | 204 |
| <i>Shanfeng Zhang, Mengwei Li, Haiyan Zheng, Ruili Zhang</i> | |
| A DATA PROVENANCE MODEL FOR COLLABORATION DESIGN PROCESS | 209 |
| <i>Xuan Sun, Xin Gao, Haiyan Kang, Chen Li</i> | |
| MODEL AND SIMULATION ON A SHOCK TEST BED FOR GUN BREECHBLOCK SYSTEM | 215 |
| <i>Yanfeng Yang, Jian Zheng, Changchun Di, Jingwen Chen</i> | |
| MODELING PROFINET ACTIONS WITH TIMING PI-CALCULUS | 219 |
| <i>Wei Jin, Xin Gao, Jing Li</i> | |
| AN IMPROVED SHUFFLED FROG LEAPING ALGORITHM AND ITS APPLICATION IN 0-1 KNAPSACK PROBLEM | 225 |
| <i>Wenxiang Liu, Yueguang Li</i> | |
| ADVANTAGES, LIMITATIONS, AND FUTURE TRENDS FOR BIOFABRICATION TECHNIQUES IN TISSUE ENGINEERING | 230 |
| <i>Lvsha Cheng, Changyong Liu</i> | |
| ADAPTIVE LINEAR DISCRIMINANT ANALYSIS ALGORITHM APPLIED TO MOTION SIGNAL CLASSIFICATION IN EEG PROCESSING | 234 |
| <i>Rui Xu, Haoyue Tang</i> | |
| MATCHING MECHANISM OF OPERATING MODE AND PROFITING MODE TO INTERORGANIZATIONAL INFORMATION SYSTEMS | 240 |
| <i>Wei-Qing Zhuang</i> | |
| ENHANCEMENT OF THE THERMAL CONDUCTIVITY OF CU MATRIX BY ADDITION OF RGO | 245 |
| <i>Xiaojuan Jiang, Guoqiang Luo, Jing Huang, Yuxin Ban, Xiang Fu</i> | |
| DESIGN AND IMPLEMENTATION OF ADAPTIVE CONTENT TRISECTION SYSTEM BASED ON SCORM | 249 |
| <i>Rui Yang, Wenjie Fan</i> | |
| RESEARCH ON THE SURFACE CHARACTERISTICS AND COLOR REPRODUCTION OF TISSUE PAPER FOR PUER TEA PACKAGING | 253 |
| <i>Ying Li, Jie Zhang, Wenjuan Gu, Banggui He</i> | |
| 3-D AREAL SHOT-SOURCE MODELING | 257 |
| <i>Qiqiang Yang</i> | |
| 3-D LINEAR SHOT-SOURCE MODELING | 261 |
| <i>Qiqiang Yang</i> | |
| PRESTACK DEPTH MIGRATION USING VARIABLE LARGE-STEP | 265 |
| <i>Qiqiang Yang</i> | |
| A CONVERSE COMPARISON THEOREM FOR BSEDS | 270 |
| <i>Zhihui Zhao, Minle Wang, Congwei Wu, Yahong Zhu</i> | |

| | |
|--|-----|
| RESEARCH ON INVISIBLE GRID MANAGEMENT OF INFORMATION ARCHITECTURE OF UI DESIGN | 274 |
| <i>Yan Liu, Fujun Ma, Fanghao Song</i> | |
| RESEARCH ON ALGORITHM SCHEMA OF PARAMETRIC ARCHITECTURE DESIGN BASED ON SCHEMA THEORY | 279 |
| <i>Li Zhu, Nan Zhang, Xiaoying Qing</i> | |
| RESEARCH ON A NEW MINE-USED NPC-TYPE THREE ELECTRICAL LEVEL REACTIVE POWER COMPENSATOR AND ITS DECOUPLING CONTROL | 285 |
| <i>Na Gu, Xiaofeng Ji</i> | |
| A NEW SECURE AUTHENTICATION MECHANISM FOR SIP USING CHAOS-BASED CRYPTOGRAPHY | 290 |
| <i>Zhuo Chen, Jiaoyan Liang, Chao Wang</i> | |
| CALCULATION MODEL OF WIND ENERGY OUTPUT BASED ON CAPACITY FACTOR | 294 |
| <i>Xinli Zhang, Limin Jia, Chenyu Wang</i> | |
| STUDY ON A CAISSON BASED OWC WAVE ENERGY CONVERTING SYSTEM | 299 |
| <i>Y.-F. Chiu, Hsien Hua Lee, C.-Y. Lin, C.-H. Chen</i> | |
| NUMERICAL INVESTIGATION ON MIXING CHARACTERISTICS IN QUENCHING ZONE OF ANNULAR RQL COMBUSTORS | 303 |
| <i>Yongbin Ji, Ronghai Mao, Yongwen Yuan, Suhua Shen, Bing Ge</i> | |
| DESIGN OF CERTAIN DIAGNOSTIC EXPERT SYSTEM FOR THE AIRCRAFT ARMAMENT EQUIPMENT | 311 |
| <i>Yu-Gang Wang, Heng-Xin Wang, Dan-Feng Zhang, Ye Chen</i> | |
| SIMULATION OF THE INTEGRATED POWER SUPPLY (IPS) TECHNOLOGY | 315 |
| <i>Zhongjiu Zheng</i> | |
| PID PARAMETERS OPTIMIZATION AND ITS ENGINEERING APPLICATION | 320 |
| <i>Yongling Li, Zuoliang Yang</i> | |
| STUDY ON LARGE-SCALE WORK CLASS ROV BASED ON DYNAMIC ANALYSIS | 324 |
| <i>Xing Liu, Li Zhang, Xinyuan Wang, Suhe Huang, Jian Sun</i> | |
| SITUATION SEMANTICS MODEL OF TEXT SEMANTIC UNDERSTANDING | 328 |
| <i>Ping Zhu, Yuanhua Tan</i> | |
| RESEARCH ON THE ARC AND THE WATER GATE VALVE CONTINUUM TOPOLOGY OPTIMIZATION DESIGN | 336 |
| <i>Yifei Cai, Jianping Guo</i> | |
| VIRTUAL TENANT NETWORK RESEARCH BASED ON PRICE MECHANISM IN SDN ARCHITECTURE | 340 |
| <i>Baoxia Wang, Zhuge Bin, Minhui Yao, Weiming Wang</i> | |
| VIRTUAL SIMULATION TECHNOLOGY IN THE SHOOTING MOTION | 344 |
| <i>Shaojian Li</i> | |
| NEURAL NETWORK APPLIED IN CITY EVALUATION | 348 |
| <i>Zhangwei Yang, Hairong Li, Qing Li</i> | |
| ROAD SAFETY EVALUATION BASED ON ARTIFICIAL NEURAL NETWORK | 352 |
| <i>Gong Li</i> | |
| RESEARCH AND APPLICATION OF INTERNET OF THINGS IN INTELLIGENT LIBRARY | 356 |
| <i>Tongjun Wang, Peijun Zhao</i> | |
| COMPUTER SOFTWARE AIDED REGRESSION ANALYSIS OF CORRELATION BETWEEN INTERNET COMMUNICATION AND RESIDENTS' CONSUMPTION | 360 |
| <i>Jiongwei Chen, Guoping Cheng</i> | |
| THE DESIGN OF LONG DISTANCE RFID READER | 364 |
| <i>Weike Wang, Xinquan Ye, Meiqing Li, Tao He</i> | |
| STUDY ON PROJECT MANAGEMENT INFORMATION SYSTEM OF ENGINEERING BASED ON WBS | 368 |
| <i>Bo Niu, Yi Chang</i> | |
| A STUDY OF LOOP SOURCE TEM INVERSION IMAGING | 373 |
| <i>Wenda Guo, Xi'An Zhu</i> | |
| VENTILATION SYSTEM RELIABILITY EVALUATION BASED ON PNN NEURAL NETWORK | 378 |
| <i>Biao Wu, Yueping Qin</i> | |
| AIRCRAFT SPAREPARTS DEMAND FORECASTING BASED ON MULTIPLE ARIMA MODEL | 383 |
| <i>Houju Xin, Yang Cui, Xinbin Liu, Shujian Luo</i> | |
| THE STUDY OF SELECTION OF AIR MATERIAL STOREHOUSE BASED ON SECOND GENERATION OF GENETIC ALGORITHM IN SITE | 387 |
| <i>Jinzhong Zheng, Kaitian Xu, Yu Xin, Yang Cui</i> | |
| AIRPORT FUNCTIONAL DAMAGE ASSESSMENT AND PREDICTION BASED ON BAYESIAN NETWORK | 391 |
| <i>Taoju Teng, Qingkun Yu, Feng Wang, Jianwu Wang</i> | |
| THE DESIGN AND IMPLEMENTATION OF THE DIGITAL IMAGE'S RETRIEVAL SYSTEM | 395 |
| <i>Hanfeng Li, Mengyu Wang, Yan Liu</i> | |
| THE SYSTEM OF SPEECH ENHANCEMENT ALGORITHM FOR BLIND SOURCE SEPARATION BASED ON FASTICA | 399 |
| <i>Minsan Zhang</i> | |
| RESEARCH ON VIDEO ENCRYPTION ALGORITHM IN ANDROID PLATFORM | 403 |
| <i>Tao Sun, Wenjie Meng</i> | |
| FUSION TECHNIQUE FOR SAR AND GRAY VISIBLE IMAGE BASED ON HIDDEN MARKOV MODEL IN NON-SUBSAMPLE SHEARLET TRANSFORM DOMAIN | 407 |
| <i>Jian Liu, Yingjie Lei, Yaqiong Xing, Chuanguo Lu</i> | |

| | |
|--|------------|
| DEVELOPMENT OF ARCHAEOLOGICAL FIELDWORK INVESTIGATION SYSTEM BASED ON SMARTPHONE | 412 |
| <i>Xiangbin Guo, Zhaoxin Geng</i> | |
| THE ANALYSIS AND APPLICATION OF DISTANCE VECTOR ROUTING PROTOCOL | 417 |
| <i>Jing Chen</i> | |
| A 3D POINT CLOUD REGISTRATION ALGORITHM BASED ON FEATURE POINTS | 421 |
| <i>Yi Ren, Fucai Zhou</i> | |
| A REALIZATION OF RS CODE ENCODING AND DECODING IN SOFTWARE | 426 |
| <i>Chenglin Miao, Tong Li, Xiaoling Wang, Huiming Wu</i> | |
| DESIGN WITH MULTIPLE VIRTUALIZED IN CLOUD COMPUTING LABORATORY | 431 |
| <i>Zhaohui Du</i> | |
| RESEARCH ON VERTICAL SEARCH ENGINE BASED ON TIBETAN NEWS SITES | 436 |
| <i>Zhiqiang Han, Guixian Xu, Wei Sun</i> | |
| A METHOD OF TRAFFIC LIGHTS DETECTION BASED ON VISUAL SELECTIVE ATTENTION | 441 |
| <i>Xueling Wang, Youfu Wu, Peng Yang, Zusheng Chen</i> | |
| THE RESEARCH OF BACK PROPAGATION NEURAL NETWORK BASED ON GENETIC ALGORITHM IN THE GAS CONCENTRATION PREDICTION | 445 |
| <i>Dapeng Liu, Fengying Ma</i> | |
| RESEARCH ON AUTOMATIC IDENTIFICATION OF CHINESE MINORITY LANGUAGE WEBSITES | 449 |
| <i>Haifeng Liu, Yuanyuan Yang, Jing Li, Zhiqiang Han</i> | |
| ANALYSIS AND RESEARCH OF ROUTING PROTOCOLS DSR, AODV, AND MIL-STD-188-220C | 454 |
| <i>Huiming Wu, Xuan Wang, Hao Li, Chenglin Miao</i> | |
| THE GRID RESOURCE DISCOVERY MODEL BASED ON RWSRF | 458 |
| <i>Jianhu Zhu, Fang Cheng</i> | |
| THE MARKING PROPERTIES DISCOVERY MODEL OF WEB SERVICE | 463 |
| <i>Xiaoyin Zhang, Xiang Yu</i> | |
| BAYESIAN NETWORK APPLIED TO THE ANALYSIS OF FARMERS' TECHNICAL DEMAND | 468 |
| <i>Haiyan Wang, Xiwu Shao</i> | |
| AN EXPOSURE GUIDED BACKGROUND SUBTRACTION FOR SMART CAMERA | 472 |
| <i>Tianyi Chen, Xiaoxu Zheng, Bin Wang, Wen Gai, Maojun Zhang</i> | |
| RESEARCH AND APPLICATION OF WIRELESS SENSOR NETWORKS IN AGRICULTURE | 476 |
| <i>Yunpeng Duan, Tianjiao Guo</i> | |
| LIBRARY ELECTRONIC RESOURCE SCHEDULING RESEARCH BASED ON ANT COLONY ALGORITHM | 480 |
| <i>Junwei Ge, Xinxu Cheng, Yiqiu Fang</i> | |
| SOFTWARE PROJECT MANAGEMENT BASED ON DYNAMIC PROGRAMMING ALGORITHM | 484 |
| <i>Zhidong Li, Xiaohuan Yu</i> | |
| RESEARCH AND IMPLEMENTATION OF HTTP CACHING FRESHNESS ALGORITHM | 489 |
| <i>Tao Zhao</i> | |
| THE DESIGN OF VIDEO CONFERENCING SYSTEM BASED ON TCP-LIKE PROTOCOL | 493 |
| <i>Xia Lei</i> | |
| SPARSE UNMIXING USING AN APPROXIMATE L0 REGULARIZATION | 497 |
| <i>Yang Guo, Tai Gao, Chengzhi Deng, Shengqian Wang, Jianping Xiao</i> | |
| TWO-CHANNEL OF REAL TIME DATA ACQUISITION BASED ON VB | 502 |
| <i>Bingyan Wang, Manjie Guo</i> | |
| DESIGN AND IMPLEMENTATION OF OFFICE SUPPLIES PURCHASE EXAMINATION AND APPROVAL SYSTEM BASED ON CRP DIGITAL CAMPUS INFORMATION MANAGEMENT PLATFORM | 506 |
| <i>Binwen Huang, Yuan Jiao</i> | |
| RESEARCH ON MATLAB-BASED IMAGE PREPROCESSING | 510 |
| <i>Zhengxi Hu, Honghai Jiang, Tianyi Zhang</i> | |
| DESIGN OF SIMULATION PLATFORM BASED ON SOFT PLC AND ITS APPLICATION IN MAT LAB | 514 |
| <i>Jiwei Liu</i> | |
| HYPERSPECTRAL UNMIXING BASED ON CONSTRAINED NONNEGATIVE MATRIX FACTORIZATION VIA APPROXIMATE L0 | 518 |
| <i>Tai Gao, Yang Guo, Chengzhi Deng, Shengqian Wang, Qing Yu</i> | |
| RESEARCH ON COMPONENT QUERY MATCHING ALGORITHM FOR COMPONENT LIBRARY BASED ON FACET DESCRIPTION | 523 |
| <i>Yue Li, Xianjiu Guo</i> | |
| STUDY ON ONTOLOGY-BASED SEMANTIC EXTRACTION METHOD FOR HETEROGENEOUS DATA | 527 |
| <i>Gaihai Li, Yan Zhang, Wangli Yang, Guiying Shi</i> | |
| STUDY ON THE CAMPUS SMART CARD SYSTEM BASED ON SAAS | 532 |
| <i>Jianwen Feng</i> | |
| REGULARIZATION ROTATIONAL MOTION BLUR IMAGE RESTORATION BASED ON MIXED NORM | 538 |
| <i>Yunchao Luo, Huaping Zhu, Yunyun Zhu</i> | |
| THE APPLICATION OF SELF-SIMILARITY MATRIX RECURRENCE PLOT IN MINING THE RELATIVITY OF MULTI-VIEW BEHAVIOR | 542 |
| <i>Chuanxu Wang, Yan Yue</i> | |
| THE RESEARCH OF THE NOISE CHARACTERISTICS INCLUDING TAKING-OFF AND LANDING IN THE BWB AIRCRAFTS | 546 |
| <i>Hui Zhao, Qiushi Li</i> | |

| | |
|---|-----|
| THE RESEARCH OF BUCK CONVERTER SLIDING MODE ALGORITHM BASED ON POWER FUNCTION EXPONENTIAL REACHING LAW | 551 |
| <i>Hongyang Liang, Yongheng Li, Yiwei Liu, Hong Li, Zhe Sun</i> | |
| DESIGN OF MULTI-VOICE ELECTRONIC PIANO BY CHIP MICROCOMPUTER | 557 |
| <i>Wei Li</i> | |
| DEVELOPMENT AND RESEARCH OF A TRANSMISSION AND RECEIVE POLARIZATION ISOLATION DUPLEXER | 561 |
| <i>Jun Deng, Qiming Wang, Xuetian Wang, Sanwan Zang</i> | |
| RESEARCH ON COMPUTER CRIME EVIDENCE RETRIEVAL METHOD BASED ON ONTOLOGY | 565 |
| <i>Xuezhi Chi</i> | |
| STUDY OF WLAN FINGERPRINTING INDOOR POSITIONING TECHNOLOGY BASED ON SMART PHONE | 570 |
| <i>Ye Yuan, Daihong Chao, Lailiang Song</i> | |
| RESEARCH ON ELECTRICAL AND ELECTRONIC INSTRUCTIONS BASED ON A REAL-TIME FEEDBACK SYSTEM | 577 |
| <i>Ping Yu, Feiqing Wu, Enjun Yu, Jiong Sun</i> | |
| OPTIMAL DESIGN AND SOFTWARE DEVELOPMENT OF TWO-STAGE NGW PLANETARY TRANSMISSION | 581 |
| <i>Yong Gu, Siming Luo, Tingting Yang, Jiawei Wang, Fugui Zhu</i> | |
| AN IMPROVED SYNCHRONIZATION SIGNAL DETECTION ALGORITHM IN LTE 230 | 585 |
| <i>Chengling Jiang, Ping Jia, Bo Guo, Tao Wang</i> | |
| THEORETICAL AND EXPERIMENTAL STUDY ON THE INFLUENCE OF EXTERNAL FRICTION ON INERTIA FORCE PROPULSION DEVICE | 589 |
| <i>Qingming Wang, Zhixiang Wei, Jiachen Ju</i> | |
| STUDY ON MULTI-KNAPSACK PROBLEM BASED ON IMPROVED ARTIFICIAL FISH SCHOOL ALGORITHM | 593 |
| <i>Lei Qin, Kang Zhou</i> | |
| CONTROL-PLANE TRAFFIC ANALYSIS OF UMTS NETWORK | 598 |
| <i>Yi Zhang, Fang Liu, Qiuqian Lv, Huan Wang</i> | |
| THE DESIGN AND IMPLEMENTATION OF SPEECH ENGINE BASED ON SPEED | 605 |
| <i>Fan Zhang</i> | |
| RESEARCH ON MINE FIRE RESCUE PATH BASED ON HYBRID ALGORITHM OF PSO | 609 |
| <i>Nina Sun, Caiwu Lu, Wenjing Fan, Na Lu</i> | |
| COMPREHENSIVE PROTECTION DESIGN IDEAS IN THE APPLICATION OF SPACEBORNE ELECTRONIC EQUIPMENT COMPONENTS | 613 |
| <i>Feng Qin</i> | |
| RESEARCH ON PARALLELING COMPUTE EFFICIENCY OF FIR FILTER | 618 |
| <i>Jimbo Wang, Lin Mao</i> | |
| A DESIGN OF SMS ALARM SYSTEM BASED ON 51 SCM AND GPS POSITIONING MODULE | 622 |
| <i>Xiaowei Chen, Wenyu Niu, Jin Xu</i> | |
| A SMS ALERTED ANTI-THEFT SYSTEM BASED ON 51 SCM | 626 |
| <i>Jie Yang, Wenyu Niu, Xiaowei Chen, Jin Xu</i> | |
| RESEARCH ON MODULARIZATION DISASSEMBLY SEQUENCE PLANNING BASED ON INTERFERENCE MATRIX | 630 |
| <i>Yongkai Wei</i> | |
| AUTOMATIC LEUKOCYTES CLASSIFICATION BY DISTANCE TRANSFORM, MOMENT INVARIANT, MORPHOLOGICAL FEATURES, GRAY LEVEL CO-OCCURRENCE MATRICES AND SVM | 634 |
| <i>Gai Pang, Yangkai Zhuang, Ping Zhou</i> | |
| THE DESIGN AND IMPLEMENTATION OF DATA EXCHANGE BASED ON XML | 640 |
| <i>Yiqiu Fang, Xiaolong Gu, Junwei Ge</i> | |
| THE CORRECTION ALGORITHM OF COALITION'S ALLOCATION WITH RANDOM PAYOFFS | 645 |
| <i>Zhongfu Qin, Hanfei Li, Xianrong Wei</i> | |
| THE RESEARCH ON TOPOLOGICAL RECONSTRUCTION METHOD OF TRIANGULAR MESH UNDER MULTI-CORE ENVIRONMENT | 649 |
| <i>Huijiang Zheng, Jing Zhang, Ying Tian, Jianming Che</i> | |
| RESEARCH ON LIBRARY ENVIRONMENTAL MONITORING SYSTEM BASED ON ZIGBEE NETWORK | 654 |
| <i>Run Gao, Lizhen Zhang, Bo Jiang, Peng Wang</i> | |
| DESIGN OF ADVANCED STATIC VAR GENERATOR | 658 |
| <i>Na Zheng, Qinghua Bai</i> | |
| THE INTEGRATED NAVIGATION NUMERICAL CORRECTION AND PREDICTION OF AUTONOMOUS UNDERWATER VEHICLE (AUV) BASED ON GM (1, 1) MODEL | 662 |
| <i>Wenbao Geng, Yu Huang, Peng Lu</i> | |
| A DISTRIBUTED CONTROL SYSTEM USING CAN BUS FOR AN AUV | 667 |
| <i>Wenbao Geng, Yu Huang, Peng Lu</i> | |
| CFD SIMULATION OF FLOW FIELD FOR PILOT OPERATED CHECK VALVE | 672 |
| <i>Liqiang Zhang, Wenjing Zheng, Jingfang Zhang, Min Lian</i> | |
| THE ANALYSIS OF ARTIFACTS GENERATED IN MICROWAVE NEAR-FIELD BREAST CANCER DETECTION | 676 |
| <i>Zhongling Han, Zhifu Tao, Meng Yao</i> | |

| | |
|--|-----|
| RESEARCH ON PASSENGER RECOGNITION SYSTEM BASED ON VIDEO IMAGE PROCESSING IN RAILWAY PASSENGER STATION | 680 |
| <i>Guiming Shi, Chang Liu, Shuyuan Zhao</i> | |
| RESEARCH ON LINE OF SIGHT ANGLE RATE RECONSTRUCTION BASED ON STRAP DOWN SEEKER | 684 |
| <i>Bo Ji, Cong Nie, Ke Zhang</i> | |
| STARTING WITH A MONTE CARLO ANALYSIS DISTURBANCE ON MULTIPLE ROCKET SPREAD | 689 |
| <i>Keju Zhang, Yunhua Gao</i> | |
| RESEARCH ON SHEAVE TEST AND OPTIMIZATION OF EXPANDED DIAMETER CONDUCTORS JL/G1A-530(630)/45 | 693 |
| <i>Jiajun Si, Jiancheng Wan, Kuanjun Zhu, Jialun Yang</i> | |
| OPTIMIZATION OF COMBINED SCROLL PROFILE BASED ON MULTI-OBJECTIVE GENETIC ALGORITHM | 697 |
| <i>Tao Liu, Fuyong Hou</i> | |
| THE RESEARCH OF AC-PULSE IONTOPHORESIS APPARATUS | 701 |
| <i>Man Su, Caixiang Yue, Lili Wang</i> | |
| OPTICAL DESIGN OF A MICRO DLP PROJECTION SYSTEM BASED ON LEDS AND AN INNOVATIVE LIGHT PIPE | 705 |
| <i>Xiangbing Zhu, Cheng Wang, Wenliang Hao, Liwei Tian, Ruofei Wang</i> | |
| EFFICIENT RESOURCES ALLOCATION FOR FEMTOCELLS IN HETEROGENEOUS CELLULAR NETWORKS | 710 |
| <i>Ruixue Liu, Yang Chen, Xiaoling Xiong</i> | |
| THE RESEARCH OF MEDIA STREAMING TECHNOLOGY BASED ON RTP PROTOCOL | 714 |
| <i>Peng Cheng, Hui Qu</i> | |

PART 2

| | |
|--|-----|
| A DIGITAL FORENSIC MODEL BASED ON DATA MINING | 718 |
| <i>Peng Cheng, Hui Qu</i> | |
| APPLICATION OF DATA VISUALIZATION IN MARINE DATA PLATFORM | 722 |
| <i>Xianjiu Guo, Yinghui Jiang</i> | |
| THE DESIGN AND IMPLEMENTATION OF NOVEL FRAMEWORK OF THE INTERNET OF THINGS(IOT) | 726 |
| <i>Yong Li</i> | |
| RESEARCH ON LARGE SCALE DOCUMENTS DEDUPLICATION TECHNIQUE BASED ON SIMHASH ALGORITHM | 730 |
| <i>Yi Yu, Zijian Hu, Yuzhu Zhang</i> | |
| AN IMPROVED CONCEPT OF SEMANTIC SIMILARITY COMPUTATION ALGORITHM BASED ON DOMAIN ONTOLOGY | 734 |
| <i>Yongliang Jiang, Yamin Zhang</i> | |
| DESIGN OF WIRELESS ELECTRONIC PRICE TAG BASED ON STM32L MICROCONTROLLER | 738 |
| <i>Yingzhi Wang, Tailin Han, Jia Yang</i> | |
| PRELIMINARY IMPLEMENTATION OF TEXT-TO-SCENE SYSTEM | 742 |
| <i>Fuping Yang, Jianchao Sun, Zhiyong Huang</i> | |
| THE DESIGN AND IMPLEMENTATION OF DISASTER RECOVERY IN DUAL-ACTIVE CLOUD CENTER | 747 |
| <i>Xiao Chen, Longjun Zhang, Jiayong Chen</i> | |
| WORKLOAD BALANCE BASED DYNAMIC RESOURCE ALLOCATION MODEL IN THE CLOUD DATA CENTER | 753 |
| <i>Hairui Zhang, Minjuan Li, Jianbo Cui</i> | |
| EXACT TRAVELLING WAVE SOLUTIONS OF NONLINEAR WAVE EQUATIONS USING TANH-FUNCTION METHOD | 758 |
| <i>Weishi Yin, Yixian Gao</i> | |
| SEMANTIC SIMILARITY ALGORITHM BASED ON GENERALIZED REGRESSION NEURAL NETWORK | 762 |
| <i>Rui Cao, Lingda Wu, Rui Wang, Chao Yang</i> | |
| RESEARCH ON GEOSPATIAL INFORMATION GRAB AND MODEL EVALUATION BASED ON MICRO-BLOG | 766 |
| <i>Xiaochun Liu</i> | |
| RESEARCH ON EVENT-B BASED MODELLING AND VERIFICATION OF PLC SYSTEM | 770 |
| <i>He Zhao, Bin Fang, Hui-Jie Li, Pu Wang</i> | |
| DYNAMIC COORDINATION OF ENERGY AND HOPS IN WSNS USING REINFORCEMENT LEARNING ROUTING ALGORITHM | 777 |
| <i>Jianyong Li, Huang Wei</i> | |
| THE IMPLEMENTATION OF A NETWORK TRAFFIC DETECTION MODEL BASED ON GPU AND CPU HETEROGENEOUS PLATFORM | 784 |
| <i>Peng Xie, Yu Wu, Keifei Cheng</i> | |
| THE AUTOMATIC RECOGNITION BASED ON THE GRADE RELATIONSHIP BETWEEN WORDS OF CLUSTERING | 790 |
| <i>Juxiang Hu, Xueqiang Lv, Liping Xu</i> | |
| INFORMATION ACQUISITION OF LASER TRACKER INCREMENTAL ENCODER BASED ON FPGA | 796 |
| <i>Xiaoyang Wang, Yanbing Liang, Heng Shi</i> | |

| | |
|---|-----|
| RECOVERY OF NON-RIGID STRUCTURE BASED ON SPARSE CODING | 801 |
| <i>Yaming Wang, Xiaomeng Yan, Junbao Zheng, Mingfeng Jiang</i> | |
| RESEARCH ON WIND FIELD CALCULATION METHOD CATEGORY | 806 |
| <i>Qiuyun Mo, Junjian Shi, Shunkang Yan, Fei Deng, Xichang Liu, Yongqing Yin</i> | |
| RESEARCH AND DESIGN OF AN ANTI OMISSIONS SYSTEM BASED ON SINGLE-CHIP PROCESSOR | 810 |
| <i>Jin Xu, Wenyu Niu, Jie Yang, Xiaowei Chen</i> | |
| APPLICATION OF WI-FI WIRELESS COMMUNICATION TECHNOLOGY IN THE REMOTE MONITORING OF THE GREENHOUSE | 815 |
| <i>Yunliang Wang, Weisong Di</i> | |
| DESIGN OF CONTROL SYSTEM OF SMART HOME BASED ON EMBEDDED LINUX | 819 |
| <i>Yang Li, Yunliang Wang</i> | |
| MID-TERM LOAD FORECASTING BASED ON GREY NEURAL NETWORK CORRECTOR MODEL | 823 |
| <i>Chao Yang, Yunliang Wang</i> | |
| DESIGN OF A FLOW INTEGRATING INFORMATION SYSTEM BASED ON CLOUD COMPUTING | 828 |
| <i>Ren-Jie Li, Jian Jiang, Wei Chen</i> | |
| SIMULATION ANALYSIS OF MICROCHANNEL DEFORMATION DURING LTCC WARM WATER ISOSTATIC PRESSING PROCESS | 834 |
| <i>Lang Ping, Zhaohua Wu</i> | |
| WATER-COOLED RADIATOR DESIGN AND OPTIMIZATION RESEARCH FOR HIGH POWER 3D-SIP SYSTEM ENCAPSULATE | 841 |
| <i>Jijun Zhang, Dejian Zhou, Tianshou Liang</i> | |
| DESIGN ANALYSIS OF EXTERNAL AUTOMATIC LEVELING MECHANISM IN RADARS | 846 |
| <i>Shi-Lei Zhi, Run-Ze Yang</i> | |
| RESEARCH AND DESIGN OF THE SIMULATION SYSTEM OF ATP SYSTEM OF QUANTUM SATELLITE | 851 |
| <i>Xin Ye, Qing Pan, Zhenghong Dong</i> | |
| VISION SENSOR CALIBRATION METHOD BASED ON FLEXIBLE 3D TARGET AND INVARIANCE OF CROSS RATIO | 857 |
| <i>Jingli Wei, Zhiwei Liu, Fangling Cheng</i> | |
| ANALYSIS OF MULTI-FLEXIBLE-BODY MODELLING OF REMOTE WEAPON STATION | 864 |
| <i>Baoquan Mao, Bowei Liang, Peng Song</i> | |
| MODAL ANALYSIS OF VEHICLE-BORNE SIGHTS BASED ON ANSYS | 868 |
| <i>Shou-Jun Wu, Guo-Quan Ren, Dong-Wei Li</i> | |
| MR170 TYPE IR RADIOMETER CALIBRATION TECHNOLOGY | 874 |
| <i>Xiaomei Song, Chenghong Xue, Kangkang Zhou</i> | |
| STUDY ON THE TRANSMISSION PROPERTIES IN THE RAIN OF 532NM LASER | 880 |
| <i>Zhijing Wang, Ning Shan, Hao Wang</i> | |
| THE SYSTEM OF OUTDOOR VISIBLE LIGHT COMMUNICATION WITH FAST BLIND ALGORITHM | 885 |
| <i>Zheng-Guo Sun, Yi-Jun Zhu, Yan-Yu Zhang</i> | |
| REFLECTIVE PHASE PROPERTIES OF TWO-DIMENSIONAL PHOTONIC CRYSTAL WITHIN THE BANDGAPS BASED ON SURFACE STRUCTURES REGULATION | 890 |
| <i>Zhonghua Luo, Zhixiang Tang</i> | |
| A STUDY ON PREDICTION OF EQUIPMENT ASSET LIFE CYCLE COST BASED ON BP NEURAL NETWORK | 894 |
| <i>Huansong Liu, Liang Xiong, Hanhua Yue, Weiwei Wang</i> | |
| THE TIME THEORY ANALYSIS AND MATLAB SIMULATION OF CONTROL SYSTEM | 900 |
| <i>Han-Hong Tan, Xiang Zhao</i> | |
| FAULT TOLERANT GLOBAL SCHEDULING FOR MULTIPROCESSOR HARD REAL TIME SYSTEMS | 907 |
| <i>Hao Peng, Fan Yang</i> | |
| THE INTELLIGENT SUPERVISION OF THE AGRICULTURE PRODUCTION BASED ON INTERNET OF THINGS AND CLOUD SERVICE PLATFORM | 916 |
| <i>Chaodong Miao</i> | |
| APPLICATION OF SIMILARITY MEASURE BETWEEN VAGUE SETS IN NETWORK INFORMATION FILTERING | 920 |
| <i>Xiaofang Fu, Ming Liu, Jing Chen</i> | |
| THE INFLUENCE OF THE FOCUS ON THE COUNTER-PROPAGATING OPTICAL TRAPPING | 925 |
| <i>Liang Zhu, Fuli Zhao</i> | |
| PERFORMANCE ANALYSIS OF DETECTING DISTRIBUTED TARGET UNDER CORRELATED K-DISTRIBUTED CLUTTER BACKGROUND | 930 |
| <i>Yan Zhu, Songhua He, Jianping Ou</i> | |
| TEMPERATURE AND HUMIDITY DATA ACQUISITION SYSTEM | 939 |
| <i>Jun Shao, Ting Qian</i> | |
| AN EFFECTIVE AND EFFICIENT FCM FOR SEGMENTING COLOR IMAGE WITH HIGH INTENSITY NOISE | 944 |
| <i>Weiling Cai, Wang Li</i> | |
| AVS 3D REAL-TIME DECODER DESIGN AND IMPLEMENTATION BASED ON FPGA/SOC PLATFORM | 951 |
| <i>Peng-Fei Ren, Hong-Yang Yu</i> | |
| DETECTION LEVEL OF APPLE BASED ON BP NEURAL NETWORK | 958 |
| <i>Xiaoling Li, Jimin Yuan</i> | |

| | |
|--|------|
| THE RESEARCH OF THE GENERALIZED TONIC-CLONIC SEIZURE EPILEPSY BY RESTING STATE FMRI | 963 |
| <i>Ming Ke, Xiaoxin Duan, Fan Zhang, Xiaoping Yang</i> | |
| A COMPUTER VIRUS SPREADING MODEL WITH NONLINEAR INFECTIVITY ON SCALE-FREE NETWORK | 969 |
| <i>Changsong Deng, Qiming Liu</i> | |
| THE INFLUENCE OF SPACING BETWEEN TWO SUBMERGED BODIES ON WAVE LOADS OF SWATH | 974 |
| <i>Guoqing Feng, Xueyun Jiang, Huilong Ren, Qingyue Zhang</i> | |
| RESEARCH ON INFORMATION DESIGN AND COMMUNICATION OF DIGITAL MEDIA | 978 |
| <i>Ting Sun</i> | |
| A BLIND EM-BASED CARRIER FREQUENCY OFFSET ESTIMATION ALGORITHM FOR OFDM SIGNALS | 982 |
| <i>Yanyan Huang, Hua Peng, Members Non</i> | |
| THE CLOUD LOGISTICS MODELING AND VALIDATION BASED ON PI CALCULUS | 990 |
| <i>Xuefeng He, Jiulei Jiang, Guanghui Wei</i> | |
| LINEAR MODELING OF METRICAL POETRY RESPIRATORY SIGNAL | 997 |
| <i>Yonghong Li</i> | |
| RESEARCH OF AN IMPROVED ROUTING PROTOCOL IN WIRELESS NETWORK | 1003 |
| <i>Shunye Wang</i> | |
| DESIGN OF AN MULTIBAND RESONANCE ANTENNA WITH A COMPLEMENTARY SPLIT-RING BASED ON EMSIW | 1007 |
| <i>Huaiqiang Wang, Ping Li, Xiangjin Quan</i> | |
| SIMULATION OF COMMAND AND CONTROL NETWORK SERVICES BASE ON M2E2M | 1013 |
| <i>Pu An, Ying Chen</i> | |
| RESEARCH AND REVIEW ON MODIFIED NOVEL SC-FDE SYSTEMS THROUGH ANALYZING SYNCHRONIZATION AND PARAMETER ESTIMATION | 1019 |
| <i>Wenzhun Huang, Yuting Zhang, Xinxin Xie, Shanwen Zhang</i> | |
| NUMERICAL INVESTIGATIONS OF CAVITATION IN A NOZZLE ON THE LNG FUEL INTERNAL FLOW CHARACTERISTICS | 1023 |
| <i>Min Xiao, Wei Zhang, Jiajun Shi</i> | |
| ALGORITHM DESIGN AND SIMULATION OF OPTIMAL MARITIME SEARCH SCHEME | 1028 |
| <i>Peng Qi</i> | |
| ESTIMATION OF PM2.5 SPATIAL DISTRIBUTION BASED ON KRIGING INTERPOLATION | 1032 |
| <i>Lirong Deng</i> | |
| A COMPUTER SIMULATION ALGORITHM ABOUT TRAFFIC FLOW | 1036 |
| <i>Zeyu Cui</i> | |
| A CONCISE OPERATION SAFETY PROTECTION DEVICE IN ARM OF TOWER CRANE AND ITS PARAMETER DESIGN | 1040 |
| <i>Xiao Lv, Lei Zhang, Ligui Kang, Zhuo Chen, Tonghai Xie</i> | |
| RESEARCH ON FREQUENCY RESPONSE IN DIGITAL SIGNAL PROCESSING | 1044 |
| <i>Yixuan Han</i> | |
| INPUT CONSTRAINTS SLIDING MODE CONTROL BASED ON RBF NETWORK COMPENSATION | 1049 |
| <i>Mengya Hou, Huanqiang Chen</i> | |
| PRELIMINARY STUDY OF NETWORK SYSTEM RELIABILITY BASED ON BIG DATA | 1054 |
| <i>Chao Shen, Hongzhong Deng</i> | |
| THE ANALYSIS OF BIG DATA APPLICATION MODE AND SECURITY RISK | 1061 |
| <i>Tai-Sheng Zeng</i> | |
| DESIGN AND UNCERTAINTY EVALUATION OF THE TINY GAS FLOW CALIBRATOR | 1066 |
| <i>Pan-Pan Chen, Jia Cheng, Wen-Lin Wang, Wen-Xin Shen, Dai-Liang Xie</i> | |
| THE RESEARCH ON THE ENHANCED EFFECT OF DUAL-FREQUENCY | 1072 |
| <i>Ping Zhang, Ronghui Lin, Zhe Huang, Xiangjun Wang, Hui You, Jun Gao, Xiaofei Wang</i> | |
| COMBINING PENALTY FUNCTION WITH MODIFIED CHICKEN SWARM OPTIMIZATION FOR CONSTRAINED OPTIMIZATION | 1077 |
| <i>Y. L. Chen, P. L. He, Y. H. Zhang</i> | |
| THE AUTO ANNOTATION LATENT DIRICHLET ALLOCATION | 1086 |
| <i>Yingzhuo Xiang, Dongmei Yang, Jikun Yan</i> | |
| A NEW METHOD FOR PREDICTION OF WATER FLOODING DEVELOPMENT INDEX | 1090 |
| <i>Jinshan Liu</i> | |
| A SPEECH ENHANCEMENT APPROACH BASED ON IMPROVED HHT | 1094 |
| <i>Xueqing Xu</i> | |
| REAL-TIME INTERACTIVE PERFORMANCE QOS RESEARCH OF THE ONLINE WEB-GAME CONTROL SYSTEM | 1098 |
| <i>Qiang Zhang, Yiquan Kong</i> | |
| RESEARCH ON THE APPLICATION OF BUILDING INFORMATION MODEL BASED ON BIM TECHNOLOGY | 1102 |
| <i>Aimin Wei</i> | |
| ANALYSIS ON FRAGMENTATION INJURY OF GLARE STUN GRENADE | 1106 |
| <i>Hongxiang Luo, Yongzhong Ma, Xiang Hu</i> | |
| KEY TECHNOLOGIES RESEARCH OF DISTRIBUTED STORAGE BASED ON CLOUD COMPUTING | 1111 |
| <i>Shaolong Shan, Dongling Wu</i> | |

| | |
|---|------|
| THE DESIGN AND IMPLEMENTATION OF DISTANCE NETWORK MANAGEMENT SYSTEM UNDER THE SUPPORT OF COMPUTER | 1115 |
| <i>Lifang Lu, Liping Gao</i> | |
| META-ANALYSIS OF NETWORK INFORMATION SECURITY AND WEB DATA MINING TECHNIQUES | 1119 |
| <i>Dongling Wu, Shaolong Shan</i> | |
| DESIGN OF INFORMATION INTERACTION SYSTEM BASED ON ANDROID AND JAVA EE ARCHITECTURE | 1123 |
| <i>Hongxia Liu</i> | |
| DATABASE MODELING AND VISUALIZATION SIMULATION TECHNOLOGY BASED ON JAVA3D | 1128 |
| <i>Hongxia Liu</i> | |
| LANDSCAPE DESIGN OPTIMIZATION MODEL AND SIMULATION ANALYSIS BASED ON TARGET CONTRIBUTION RATE ALGORITHM | 1133 |
| <i>Chengyong Shi, Pei Zhang, Ying Tang</i> | |
| RESEARCH ON THE DESIGN OF INTERFACE IN THE MICRO-PORTAL WEB GAME | 1137 |
| <i>Yandong Chen, Xiuming Sun</i> | |
| STUDY ON OBTAINING HIGH-PRECISION VELOCITY PARAMETERS OF VISUAL AUTONOMOUS NAVIGATION METHOD CONSIDERING LENS DISTORTION | 1142 |
| <i>Han Zhou, Qinghua Li, Hongwei Li</i> | |
| RESEARCH ON NEW PE FILE PACKER AND SHELLING METHODS | 1147 |
| <i>Xiaoyu Liu, Haichen Zhu</i> | |
| MAXIMUM-LIKELIHOOD CLASSIFICATION FOR MPSK WITH COMPRESSIVE SAMPLINGS | 1152 |
| <i>Nian Tong, Lichun Li, Xun Lu</i> | |
| GNSS MULTI-SATELLITE JOINT ACQUISITION WITH INTERFERENCE MITIGATION USING ANTENNA ARRAYS | 1156 |
| <i>Gangqiang Guan, Yangbo Huang, Baiyu Li, Feixue Wang</i> | |
| DETECTING SHADOW OF MOVING OBJECT BASED ON PHONG ILLUMINATION MODEL | 1160 |
| <i>Feipeng Li, Zongxi Song, Bin Li, Meng Jie Wu, Chao Shen</i> | |
| NODES SELECTION MECHANISM BASED ON MODIFIED BINARY PARTICLE SWARM OPTIMIZATION ALGORITHM | 1164 |
| <i>Shengyun Wei, Jing Zhang, Taichuan Sun</i> | |
| A METHOD TO DETECT CIRCLE BASED ON HOUGH TRANSFORM | 1169 |
| <i>Mengjie Wu, Zongxi Song, Baopeng Li, Feipeng Li, Bin Li, Chao Shen</i> | |
| FLEXIBLE HYBRID STEREO MATCHING | 1173 |
| <i>Jingzhou Huang, Changyu Diao</i> | |
| DESIGN OF CHANG'E NO.THREE SOFT LANDING ORBIT BASED ON GA AND TEXTURE ANALYSIS | 1178 |
| <i>Jiani Xing</i> | |
| RESEARCH ON CONSTRUCTION OF ENTERPRISE INFORMATIZATION BASED ON COMPUTER APPLICATION TECHNOLOGY | 1183 |
| <i>Jing Sun</i> | |
| RESEARCH ON DYNAMIC REACTIVE POWER OPTIMIZATION OF DISTRIBUTION NETWORK BASED ON MODERN MATHEMATICAL ALGORITHMS | 1187 |
| <i>Lihong Bai</i> | |
| RESEARCH ON KEY TECHNOLOGIES OF CLOUD COMPUTING AND ITS APPLICATION IN TELECOM INDUSTRY | 1191 |
| <i>Peng Li</i> | |
| RESEARCH ON THE BALLISTIC NON-CONTACT START-END DEVICE | 1195 |
| <i>Yunfeng Liu, Xiaoli Zhao, Xiaodong Zhou</i> | |
| COMPUTER DIGITAL COLOR TECHNOLOGY IN THE APPLICATION OF GRAPHIC DESIGN | 1199 |
| <i>Wencai Zhong</i> | |
| DISCRETE FOURIER COEFFICIENTS OF A PERIODIC SIGNAL AMPLITUDE HARMONIC SIMULATION IN THE COMPUTER | 1203 |
| <i>Yun Pan</i> | |
| STUDY ON 3D TECHNOLOGY APPLICATION IN ART DESIGN | 1207 |
| <i>Yan Zhao, Xuguang Yang</i> | |
| THE EFFECTS OF HILO TRAINING ON RATS MUSCLE CCO | 1211 |
| <i>Jian Huang, Qiaozhen Yan, Ganping Huang</i> | |
| THE SPLICING SCRAP PAPER AND RESTORATION BASED ON MATLAB ALGORITHM | 1215 |
| <i>Fengling Wang</i> | |
| THE ORBIT DESIGN AND CONTROL STRATEGY OF THE SOFT LANDING OF CHANG 'E 3 | 1219 |
| <i>Yan Yao, Yingbing Fan, Xiaocheng Gao</i> | |
| COMPUTER AIDED ANALYSIS ON HIGHER-DIMENSIONAL NONLOCAL REACTION DIFFUSION POPULATION DYNAMIC MODEL | 1223 |
| <i>Linan Sun, Shan Li</i> | |
| ANALYSIS OF SHIPBORNE HELICOPTER'S GUIDANCE ERROR IN ANTI-SHIP MISSILE OVER-THE-HORIZON ATTACK | 1228 |
| <i>Jianguo Wang, Keming Yao, E Qun, Xinlong Wan, Jinzhu Meng</i> | |
| A PARA-VIRTUAL SDN SIMULATION SYSTEM BASED ON EMULAB | 1233 |
| <i>Bo Luo, Qi Li, Yanhui Guo</i> | |

MACHINERY, AUTOMATION AND MEASUREMENT

| | |
|--|------|
| METHOD FOR MITIGATION OF NLOS ERROR BASED ON SVM USING GEOMETRY INFORMATION AND TRAINING DATA | 1238 |
| <i>Jiyan Huang, Peng Liu, Mingquan Lu, Baogen Xu, Zhongchu Rao, Yihe Wan, Chuan Lu, Hongyan Zhang</i> | |
| MINIMUM MEAN SQUARE ERROR ESTIMATOR FOR MOBILE LOCATION USING THE PSEUDO-RANGE TOA MEASUREMENTS | 1243 |
| <i>Jiyan Huang, Peng Liu, Mingquan Lu, Baogen Xu, Zhongchu Rao, Yihe Wan, Chuan Lu, Hongyan Zhang</i> | |
| DIFFERENT CONNECTIONS WITH THE CORE TUBE STEEL FRAME SEISMIC PERFORMANCE OF HYBRID STRUCTURE ANALYSIS | 1249 |
| <i>Chao Yang, Chengwei Huang, Ruofei Liu, Yi Tian</i> | |
| ANALYSIS OF NATURAL VIBRATION CHARACTERISTICS OF PRE-STRESSED SPACE TRUSS | 1253 |
| <i>Zhicheng Lin, Chengwei Huang, Fei He, Qiongqian Gao</i> | |
| DYNAMIC ELASTIC-PLASTIC ANALYSIS OF HIGH-RISE STEEL STRUCTURE WITH BUCKLING-RESTRAINED BRACES | 1257 |
| <i>Fei Ou Yang, Chengwei Huang, Guihu Qin</i> | |
| MOTION DETECTION SYSTEM BASED ON PLANTAR PRESSURE DISTRIBUTION | 1262 |
| <i>Yizhong Xin, Chuhong Liu</i> | |
| VLICR: DETECTING BATTERY-FREE USERS WITH VISIBLE LIGHTS | 1267 |
| <i>Youling Zhou, Yongqin Yang</i> | |
| FINITE ELEMENT MODELING OF EARLY STAGE SELF-LOOSENING OF BOLTED JOINTS | 1272 |
| <i>Haoliang Xu, Lihua Yang, Lie Yu</i> | |
| RESEARCH ON WELDING MACHINE CONTROL SYSTEM | 1278 |
| <i>Jiandong Yang, Xin Qi</i> | |
| 3D MEASUREMENT AND RECONSTRUCTION BASED ON STRUCTURED LIGHT | 1282 |
| <i>Yongyan Yu, Yuqin Shu</i> | |
| DESIGN AND SIMULATION OF ELECTROSTATIC IMAGING SYSTEM BASED ON MEMS | 1287 |
| <i>Jing-Shu Kang, Xi Chen, Kai Tang, Meng-Xuan Li</i> | |
| THE RESEARCH ON THE ACTIVE VIBRATION ISOLATOR | 1295 |
| <i>Baiwei Guo, Yongliang Zhang, Xiuyun Meng</i> | |
| EXPERIMENTAL STUDY ON HIGH STRENGTH BOLT PRE-TIGHTENING FORCE OF FRICTION ENERGY DISSIPATION DEVICE | 1300 |
| <i>Xiao Mei, Guo Chen, Hai-Yang Liu</i> | |
| CALCULATION AND ANALYSIS OF THERMAL STRESS FOR HIGH PRESSURE ROTOR OF STEAM TURBINE | 1305 |
| <i>Jun Jin, Qin Zhou, Yonghui Xie</i> | |
| DYNAMIC RESPONSE ANALYSIS OF BLADES WITH DAMPING STRUCTURES OF SHROUD AND SNUBBER | 1309 |
| <i>Guoping Li, Qiang Zhang, Wei Zhao, Qin Zhou, Yonghui Xie</i> | |
| THE ANALYSIS OF MARINE ELECTRICAL EQUIPMENT COMMON FAULTS | 1313 |
| <i>Renmin Yuan</i> | |
| QUANTITATIVE ANALYSIS FOR THE VEHICLE MOMENT OF INERTIA AND PHYSICAL SIMULATION | 1317 |
| <i>Wenming Yu</i> | |
| THE SYSTEM DESIGN OF FULL SERVO PLANETARY POLE SYMMETRIC PIPE CUTTING MACHINE | 1321 |
| <i>Wan Xu, Cong Li, Di Zhao, Jiong Li, Yingping Qian</i> | |
| A SMART DETECTION SYSTEM FOR POWER GROUNDING GRID BASED ON GPR | 1327 |
| <i>Xin Wu, Xu Zhang, Jianhong Hao, Jiming Song, Fengxian Miao</i> | |
| MODELING AND SIMULATION ANALYSIS OF STEERING STABILITY BASED ON VEHICLE MOTION SIMULATOR | 1333 |
| <i>Lijun Qi, Wen Xu, Feng Zhang</i> | |
| THE APPLICATION OF FUNCTION ANALYSIS IN DEVELOPMENT OF REHABILITATION PRODUCT | 1338 |
| <i>Changqing Gao, Wei Wang, Jianhua Sun, Peng Chao</i> | |
| STUDY OF PCB MICRO-DRILLING GEOMETRY DETECTION METHOD BASED ON MACHINE VISION | 1344 |
| <i>Ting Zhou, Tao Cheng, Ping Feng, Xiaobo Peng</i> | |
| THE INFLUENCE OF DIFFERENT SHAPE BASE CAVITY ON AERODYNAMIC DRAG OF PROJECTILE | 1350 |
| <i>Haibo Lu, Shiyang Tian</i> | |
| DESIGNING OF 3-DIMENSIONAL UNDERWATER FISH OBSERVATION SYSTEM AND EXPERIMENTAL RESEARCH | 1354 |
| <i>Minhui Zheng, Junyi Yang, Dinghao Feng, Dongqin Cheng, Xi Zhang</i> | |
| PMSM CONTROL SYSTEM RESEARCH BASED ON VECTOR CONTROL | 1359 |
| <i>Yuanyuan Liu, Zhiguo Zhang</i> | |
| HEAVY DUTY MARINE CAROUSEL STRUCTURE ANALYSIS BASED ON FINITE ELEMENT THEORY WITH MULTI PIVOT-NONLINEAR SUPPORT | 1363 |
| <i>Pei Zheng</i> | |
| EXPERIMENTAL RESEARCH ON THE FACTORS INFLUENCING THE MECHANICAL PROPERTY OF CFRP BARS | 1369 |
| <i>Biao Li, Yongxin Yang, Qingrui Yue, Pengyang Zhang</i> | |
| WIND FIELD CFD ANALYSIS ON THE FLAT ROOF OF THE BUILDING | 1374 |
| <i>Yuanbo Cai, Fang Zhao, Shuqin Liu</i> | |

| | |
|---|------|
| MOTION SIMULATION OF HYDRAULIC SUPPORT BASED ON UNITY 3D | 1378 |
| <i>Ale Li, Xiaowen Zheng, Wei Wang</i> | |
| THE APPLICATION OF SPEECH RECOGNITION TECHNOLOGY BASED ON HMM | 1382 |
| <i>Guilin Yan</i> | |
| FACE RECOGNITION WITH ILLUMINATION, POSE AND EXPRESSION VARIATIONS USING SIFT METHOD | 1386 |
| <i>Wei Ge, Lijuan Cai, Weida Zhan</i> | |
| APPLICATIONS OF FUZZY CONTROL IN GREENHOUSE INTELLIGENT CONTROL SYSTEM | 1390 |
| <i>Yao Jin</i> | |
| DESIGN AND ANALYSIS OF ELEVATOR BASED ON INTELLIGENT CONTROL SYSTEM | 1394 |
| <i>Yao Jin</i> | |
| THE STUDY ON DESIGN AND ALGORITHM OF ROBOT CONTROL SYSTEM | 1398 |
| <i>Yao Jin</i> | |
| EXPLORATION OF THE ALGORITHM OF AUTOMATIC RECOGNITION OF DEFECTS IN ULTRASONIC TESTING IMAGE | 1402 |
| <i>Xifeng Zhou, Hao Zou, Qiangang Guo</i> | |
| DESIGN OF GENERAL VEHICLE BUS TESTING SYSTEM | 1406 |
| <i>Tong Li, Xiaoling Wang, Chenglin Miao, Tingmei Xue</i> | |
| THE FINITE ELEMENT ANALYSIS OF PROFILE FORMING ASSISTED BY LASER HEATING | 1411 |
| <i>Shi Wang, Qiang Li, Yixin Gao, Biying Shi</i> | |
| STUDIES ON SINGLE-FLOW CONTINUOUS CULTURE CONTROL SYSTEM OF SIMULATED RUMEN IN VITRO | 1418 |
| <i>Ying Zhang, Liang Zheng, Xiaoxia Chen, Bo Xu, Lianyu Yang</i> | |
| RESEARCH OF ARTIFICIAL INTELLIGENT PLAN RECOGNITION METHOD IN THE MULTI- AGENTS CONDITIONS | 1423 |
| <i>Lei Wang</i> | |
| HANDWRITTEN DIGIT RECOGNITION BASED ON SUPPORT VECTOR MACHINE | 1427 |
| <i>Xinwen Gao, Benbo Guan, Liqing Yu</i> | |
| OVERVIEW ON OPTICAL MEASUREMENTS OF SHAFT DIAMETER DETECTION | 1431 |
| <i>Yan Huang, Chuande Zhou</i> | |

PART 3

| | |
|---|------|
| SATELLITE SAR ANTENNA DEPLOYABLE STRUCTURE DESIGN AND KINEMATIC ANALYSIS | 1435 |
| <i>Yan Wang, Tian Liang, Qiang Congi, Rongqiang Liu, Hui Yang</i> | |
| FINITE ELEMENT ANALYSIS ON THE OBJECTIVE TABLE OF VIRTUAL SLICE NON-DESTRUCTIVE MEASUREMENT DEVICE | 1441 |
| <i>Yong Gan, Yang Chen, Jiaying Li, Hanchao Wang</i> | |
| EMBEDDED SPEECH RECOGNITION INTERACTION SYSTEM RESEARCH | 1446 |
| <i>Qiong Luo</i> | |
| RESEARCH ON REFLECTION AND TRANSMISSION AT BOUNDARIES IN ULTRASONIC TESTING | 1450 |
| <i>L. Zhang, G. H. Wang, J. J. Lu</i> | |
| THE DESIGN OF THE RECOGNITION AND CONTROL SYSTEM OF THE P TO P FLOW BASED ON LINUX | 1454 |
| <i>Mingji Yang, He Wang, Wanzhu Jiang</i> | |
| EXPERIMENTAL STUDY OF VIBRATING SCREEN BEAM BASED ON POWER FLOW METHOD | 1458 |
| <i>Bingxian Ou, Junxia Yan</i> | |
| IMAGE RETRIEVAL WITH HAND DRAWN DRAFT BASED ON SALIENCY DETECTION | 1462 |
| <i>Xiaofei Sun, Wenwen Pan, Xia Wang</i> | |
| AN ADAPTIVE CONSTANT SCALLOP-HEIGHT TOOL-PATH PLANNING METHOD FOR TURN-MILLING MACHINING OF NURBS FREE-FORM SURFACES | 1467 |
| <i>Xusheng Shi, Lihong Qiao, Pinxue Rao</i> | |
| THE REAL-TIME MEASUREMENT AND CONTROL SYSTEM OF THE MOTOR USED ON ELECTRIC VEHICLE BASED ON LABVIEW | 1472 |
| <i>Zhiyu Huang, Yaxue Yan, Xi Peng</i> | |
| A FUSION METHOD OF INTERESTING TARGETS DETECTION | 1476 |
| <i>Lianpeng Guo, Wanpeng Xu, Xiangning Chen, Aifang Guo, Xingguo Zhao</i> | |
| MEASUREMENT OF WATER LEVEL OF DRUM OF THERMAL GENERATOR SET | 1480 |
| <i>Xian Zhang</i> | |
| THE SIGNAL BOARD FAULT DETECTION BASED ON BMA2000 | 1484 |
| <i>Guishui Yu, Yanping Tian</i> | |
| VISION-BASED GESTURE RECOGNITION REFERRING TO HUMAN STRUCTURE | 1488 |
| <i>Shihai Xu, Binkai Zhang, Xiao Liang, Jinjin Zheng</i> | |
| ARCHITECTURAL SKIN COLOR RECOGNITION ALGORITHM BASED ON MOIRÉ PRINCIPLE ANALYSIS | 1493 |
| <i>Rongke Jin, Yan Long</i> | |
| RESEARCH ON EXPLOSION POINTS WITH THE SAME CHARACTERISTICS MATCHING AND LOCATION OF AUTOMATIC TARGET-SCORING SYSTEM | 1498 |
| <i>Xin Wang, Xiao Wang, Xuejie Wei, Hongwei Yang</i> | |

| | |
|--|-------------|
| TARGET DETECTION SYSTEM DESIGN BASED ON MINI2440 PLATFORM | 1502 |
| <i>Wei Xue, Yiheng Zhang</i> | |
| AN ENCRYPTION TECHNIQUE FOR MEASUREMENT AND DISPLAY OF RADAR PARAMETERS | 1506 |
| <i>Xiaofei Zhu, Weizhong Yu, Guodong Jin</i> | |
| DESIGN OF VARIABLE AND EQUAL PRECISION FREQUENCY MEASUREMENT BASED ON CPLD | 1510 |
| <i>Xiaofei Zhu, Weizhong Yu, Guodong Jin</i> | |
| A DYNAMIC ADAPTIVE FAILURE DETECTION ALGORITHM BASED ON GREY SYSTEM THEORY | 1514 |
| <i>Daosheng Mu, Haoming Wang, Lijuan Gao</i> | |
| DESIGN OF PLANT GROWTH CABINET CONTROL SYSTEM BASED ON LABVIEW | 1520 |
| <i>Jiangtao Zou, Liguo Tian, Jianglin Wei, Meng Li, Zhiqi Liu</i> | |
| DESIGN AND IMPLEMENTATION OF VIDEO CONTENT CLASSIFICATION ALGORITHM BASED ON FACE RECOGNITION | 1524 |
| <i>Xiaokang Wu, Chenggang Xie, Shu Tang, Yuanbo Yang</i> | |
| RESEARCH OF SENSORS FAILURES DIAGNOSIS BASED ON NOISE ANALYSIS | 1528 |
| <i>Aidong Xu, Yuanfeng Liu, Jing Jiang, Mingzhe Liu, Bingjun Yan, Qinning Liu</i> | |
| TREND FEATURE EXTRACTION IN CONDITION MONITORING BY A NEW PIECEWISE LINEAR REPRESENTATION METHOD | 1534 |
| <i>Changfeng Yan, Cheng Yi, Lixiao Wu, Jianfang Fang</i> | |
| IMPROVEMENT OF MACHINERY CONTACT-TYPE SENSOR | 1540 |
| <i>Wenming Zhang, Jian Xu</i> | |
| AN ELECTRIC HYDRAULIC DRIVING SYSTEM OF LIFTING PLATFORM FOR COMPOSITE ROLLER CASTING | 1545 |
| <i>Yongling Fu, Pengfei Zhang</i> | |
| STABILITY DESIGN OF MAGLEV ACTUATOR IN ACTIVE VIBRATION CONTROL | 1551 |
| <i>Yuan Ni, He Lin, Yan Li</i> | |
| MODIFICATION TECHNOLOGY RESEARCH OF INVOLUTE HELICAL GEAR | 1556 |
| <i>Hongbin Yang, Xun Fu, Houyun Dong</i> | |
| THE OPTIMIZATION DESIGN OF TWO STAGES HELICAL GEAR REDUCER BASED ON GA AND NASTRAN | 1562 |
| <i>Xiaomei Song, Xintian Cao</i> | |
| THE EFFECT OF INTERPOSABLE CONFIGURATIONS ON ELECTRICAL ENGINEERING | 1568 |
| <i>Bing Li, Li Chen</i> | |
| WELDING ROBOT CONTROL BASED ON NETWORK | 1573 |
| <i>Wen-Ming Zhang, Zheng-Kai Xiong, Yan-Fang Wang</i> | |
| DESIGN OF SIGNS INFORMATION MONITORING SYSTEM FOR MAN OVERBOARD BASED ON BEIDOU SATELLITE NAVIGATION SYSTEM | 1578 |
| <i>Shi-Ai Ren, Hong-Wu Chen, Hai-Peng Zhang, Zhu Liu, Shan-Shan Wu</i> | |
| POSITIONING ACCURACY ANALYSIS OF MAPPING AND SURVEYING SATELLITE USING LASER ALTIMETER | 1584 |
| <i>Qiang Dou, Yingbo Li, Yu Zhou, Qipeng Cao, Jun Zhu</i> | |
| BRIEF ANALYSIS ON TYPICAL IMAGE SALIENCY DETECTION METHODS | 1591 |
| <i>Wenwen Pan, Xiaofei Sun, Xia Wang, Wei Zhang</i> | |
| IDENTIFICATION OF NON-CONVEX BLOCKS ON THE EDGES OF A TUNNEL | 1597 |
| <i>Jianyong Lia, Guangxiang Yuan, Yang Zhao, Jinhu Hu, Zhiquan Huang</i> | |
| MEASUREMENT SYSTEM PERFORMANCE ANALYSIS USING MINITAB | 1602 |
| <i>Jun Shao, Ting Qian</i> | |
| IMAGE RETRIEVAL BASED ON SALIENCY DETECTION IN THE APPLICATION OF THE GUIDE SYSTEM | 1607 |
| <i>Xiaofei Sun, Wenwen Pan, Xia Wang, Wei Yuan</i> | |
| EFFECTIVE SPEECH ENDPOINT DETECTION ALGORITHM FOR VOICEPRINT RECOGNITION | 1613 |
| <i>Yan Wang, Longfei Zhang</i> | |
| OPTIMIZATION DESIGN FOR SULFUR DIOXIDE FLOW MONITORING APPARATUS IN THERMAL POWER PLANTS | 1618 |
| <i>Hao-Wei Hu, Xue Yang, Xiao-Wei Song</i> | |
| A RESEARCH ON NC MACHINING CUTTING PARAMETERS OPTIMIZATION | 1623 |
| <i>Wei Tang, Guangrong Yan, Xiangyu Xu, Dan Yu, Zaijun Wang, Hongchen Chu</i> | |
| IMPLEMENTATION OF PORTABLE COMMON BUILDING GROUND RESISTANCE MEASURING INSTRUMENT | 1630 |
| <i>Chao Lu, Zhiqiang Chen, Xiushan Wu, Zhikai Zhao, Hui Peng</i> | |
| RESEARCH ON THE MOTION CONTROL FOR THE UNDER-ACTUATED MECHANICAL SYSTEMS | 1636 |
| <i>Zhigang Sun</i> | |
| NUMERICAL SIMULATION ANALYSIS ON SAILING RESISTANCE OF AMPHIBIOUS VEHICLE | 1640 |
| <i>Wenfeng Guo, Yutian Pan, Cunzhen Xing</i> | |
| RESEARCH ON AUTOMOTIVE ELECTRONIC CONTROL TECHNOLOGY | 1644 |
| <i>Zongbao Li</i> | |
| DYNAMIC PARAMETERS OPTIMIZATION AND KINEMATIC ANALYSIS OF MECHANICAL TREADMILL | 1648 |
| <i>Qin Li</i> | |
| A FAST HANDWRITTEN DIGIT RECOGNITION ALGORITHM BASED ON IMPROVED SVM | 1652 |
| <i>Qiong Li, Li Chen</i> | |

| | |
|---|------|
| APPLICATION RESEARCH OF BP NEURAL NETWORK IN FACE RECOGNITION | 1656 |
| <i>Yong He</i> | |

ENERGY AND POWER

| | |
|---|------|
| THE NEW ENERGY OF COMMERCIAL VEHICLE ELECTRIC AIR DIRER | 1660 |
| <i>Xiyan Wang, Chuanwu Li</i> | |
| MULTI-AGENT SYSTEM BASED DYNAMIC CONTROL FRAMEWORK FOR GRID-CONNECTED MICROGRIDS | 1663 |
| <i>Feixiong Chen, Minyou Chen, Yongwei Zheng</i> | |
| ENERGY STORAGE POWER CONVERSION SYSTEM IN THE MICRO-GRID | 1669 |
| <i>Jinghua Zhou, Zheng Yang, Xiaowei Zhang</i> | |
| RESEARCH ON REMOTE MONITORING SYSTEM FOR LEAKAGE PROTECTION OF ELECTRIC GRID IN UNDERGROUND MINE | 1675 |
| <i>Yue Liu, Dong Li, Wenqi Yuan, Guoying Meng, Yijie Zhao</i> | |
| RESEARCH ON TECHNICAL SOLUTIONS OF INCREASING HEATING CAPACITY FOR 300MW CLASS UNITS | 1680 |
| <i>Xinjun Zhou, Meng Zhou</i> | |
| BOREHOLE IP ANOMALY CHARACTERISTICS ANALYSIS OF THE SINGLE WELL AND THE DOUBLE WELLS WORKING WAY | 1684 |
| <i>Tao Liu, Jiao Luo, Xiangwen Zhou</i> | |
| THE ELECTRONIC PROPERTIES OF FERROPERICLASE UNDER PRESSURE CALCULATED BY FIRST PRINCIPLES | 1690 |
| <i>Huayang Li, Qingbo Wang</i> | |
| RESEARCH ON THE POWER SIGNAL PROCESSING SYSTEM SPACE DISCHARGE LOCATION | 1694 |
| <i>Yutong Chen, Tianzheng Wang, Hua Yu, Yanpeng Li</i> | |
| PARTICLE SWARM OPTIMIZATION ALGORITHM FOR REGENERATIVE BRAKING FUZZY CONTROL OF ELECTRIC VEHICLE | 1699 |
| <i>Liao Qin</i> | |
| AN OVERVIEW OF LTE 230 SYSTEM IN SMART GRID | 1704 |
| <i>Chengling Jiang, Song Jiang, Bo Guo, Tao Wang</i> | |
| CALCULATION AND ANALYSIS OF THE WAVE LOAD OF JACK-UP OFFSHORE WIND TURBINE INSTALLATION VESSEL DURING DYNAMIC POSITIONING | 1708 |
| <i>Zhenqiu Yao, Yun Shen, Xin Gu, Linxin Bu</i> | |
| BIG DATA APPLICATIONS IN POWER INDUSTRY | 1713 |
| <i>Chao Chen, Dongshu Yang, Shaochen Wang, Desheng Yang</i> | |
| SHIELDING ANALYSIS AND DESIGN FOR THE UNDERSEA CONTACTLESS POWER TRANSMISSION SYSTEM | 1719 |
| <i>Hairong Wang, Zesong Li</i> | |
| SOFTWARE DEVELOPMENT OF DC MAGNETIC BIAS CALCULATION IN THE POWER SYSTEM | 1724 |
| <i>Yongjun Yu, Xiaoxiao Qi, Peilun Zhang, Bing Sun, Yanhui Qin, Zhiyuan Hou, Liang Wang</i> | |
| TARGET RECOGNITION BASED ON CBR IN OPTOELECTRONIC HYBRID SYSTEM | 1728 |
| <i>Guangle Yao, Qinzhang Wu, Jiandan Zhong, Kelin Sun</i> | |
| FOLDING RETICULATED SHELL STRUCTURE WIND PRESSURE COEFFICIENT PREDICTION RESEARCH BASED ON RBF NEURAL NETWORK | 1732 |
| <i>Si Gao, Yanru Wu, Zheng Huang</i> | |
| RESEARCH ON RELAY PROTECTION OF DISTRIBUTION NETWORK WITH DG | 1737 |
| <i>Xunzhe Wang</i> | |
| THE ANALYSIS AND OPTIMIZATION ON ELECTROMAGNETIC COMPATIBILITY FOR PRINTED CIRCUIT BOARD | 1741 |
| <i>Wei Xue, Xin Shu</i> | |
| A DESIGN METHOD OF LOW-FREQUENCY POWER TRANSMITTER BASED ON OPA549 | 1745 |
| <i>Linyu Wang, Junxian Meng</i> | |
| THE DESIGN AND REALIZATION OF LOW FREQUENCY SIGNAL RECEIVER WITH HIGH SENSITIVITY | 1749 |
| <i>Zhigang Li, Yuchuan Zhao</i> | |
| RESEARCH ON SYNCHRONIZATION TECHNOLOGY OF OQPSK SIGNAL BASED ON FPGA/DSP | 1753 |
| <i>Wei Xue, Yanhui Tian</i> | |
| ROBUST OUTPUT-FEEDBACK CONTROL FOR PILOTED ELECTRO-HYDRAULIC PROPORTIONAL PRESSURE-REDUCING VALVE | 1757 |
| <i>Pan Deng, Liangcai Zeng</i> | |
| OPTIMAL DESIGN OF THE COUPLED STRUCTURE OF UNDERSEA CONTACTLESS POWER TRANSMISSION SYSTEM | 1762 |
| <i>Qifeng Gao, Zesong Li</i> | |
| STRUCTURE TOPOLOGY OPTIMIZATION DESIGN OF BRAKE PAD IN LARGE MEGAWATT WIND TURBINE DISC BRAKE | 1767 |
| <i>Zhihua Sha, Jian Yin, Shengfang Zhang, Yu Liu, Fujian Ma</i> | |
| ANALYSIS OF LIGHT INTENSITY EFFECT ON PHOTOVOLTAIC CELLS | 1772 |
| <i>Zhen-Yong Liu, Jian-Qi Sun, Zhi-Chun Ma</i> | |

| | |
|--|------|
| RESEARCH ON PENETRATION LEVEL OF DISTRIBUTED GENERATION IN DISTRIBUTION NETWORK | 1779 |
| <i>Jian Su, Haitao Liu, Hao Bai, Shihong Miao, Pipei Zhang</i> | |
| RESEARCH ON THE VISUAL DETECTION DEVICE OF PARTIAL DISCHARGE VISUAL IMAGING PRECISION POSITIONING | 1785 |
| <i>Tian-Zheng Wang, Yu-Tong Chen, Hua Yu, Dong-Dong Yang</i> | |
| QUIET AREA TESTS OF A KA-BAND COMPACT RANGE | 1791 |
| <i>Yuxin Kou, Xuetian Wang, Chi Liu</i> | |
| MULTIFUNCTIONAL READOUT CIRCUIT DESIGN OF INFRARED DETECTOR | 1796 |
| <i>Xiao Tao Wang, Xu An Wang, Ning Kang, Nian Xie</i> | |
| ANALYSIS AND STUDY ON THE INTERRUPTING CHARACTERISTIC OF XRNT HIGH-VOLTAGE CURRENT-LIMITING FUSE | 1802 |
| <i>Qiong Wu, Shaohua Ma, Zhiyuan Cai</i> | |
| RESEARCH ON THE COOPERATIVE DISPATCH OF ELECTRIC VEHICLE AND DISTRIBUTED POWER SOURCES | 1807 |
| <i>Shijie Wang</i> | |
| A NOVEL PARTIAL DISCHARGE SIGNAL DENOISING METHOD BASED ON SPARSE DECOMPOSITION | 1811 |
| <i>Bowen Wang</i> | |
| THE VIEW OF CLASSROOM LIGHT DESIGN OPTIMIZATION SIMULATION | 1825 |
| <i>Shijie Wang</i> | |
| SUMMARY OF TRANSFORMER PARTIAL DISCHARGE DETECTION METHODS | 1830 |
| <i>Yanda Li</i> | |
| DESIGN OF LED LIGHTING SYSTEM BASED ON AC BUS POWER SUPPLY MODE WITH LOW AND VARIABLE FREQUENCY | 1834 |
| <i>H. Su, Y. G. Jin, P. M. Zheng</i> | |
| RESEARCH ON THE FREQUENCY SPECTRUM OF DC FAULT ARC | 1841 |
| <i>Chen Guo, Zibo Qi, Wei Gao</i> | |
| LOW VOLTAGE AC ARC FAULT TEST AND ESTABLISHMENT OF DATABASE | 1845 |
| <i>Zibo Qi, Kaili Xu, Wei Gao, Chen Guo</i> | |
| ANALYSIS AND CALCULATION OF ROTOR CURRENTS FOR DOUBLY FED INDUCTION GENERATOR AT AN EARLY STAGE OF TERMINAL VOLTAGE DIP | 1849 |
| <i>Jian Wang, Gangui Yan, Yong Sun, Chao Zheng, Qingkun Shen</i> | |
| ANALYSIS ON THE COMMUTATION PROCESS OF THE SINGLE-PHASE RECTIFIER CIRCUIT AND ITS APPLICATION | 1854 |
| <i>Kuo Zhao, Dong Xu</i> | |

MATERIALS, CHEMICAL AND CIVIL ENGINEERING

| | |
|---|------|
| ON COMPACTION CHARACTERISTICS AND PARTICLE BREAKAGE OF SOIL-AGGREGATE MIXTURE | 1858 |
| <i>Xi Chang Xu, Shan Xiong Chen, Ling Fa Jiang</i> | |
| PREPARATION AND PERFORMANCE OF SGS/STARCH COMPOSITE | 1863 |
| <i>Jianmei Yin</i> | |
| APPLICATION OF WP IN RSP/CC COMPOSITE | 1867 |
| <i>Jianmei Yin</i> | |
| STUDY ON THE ACCELERATED LIFE EXPERIMENT OF MINE RUBBER SEALS | 1871 |
| <i>Xing-Min Li</i> | |
| COMPUTATIONAL METHOD FOR BEARING CAPACITY OF STEEL TUBE REINFORCED CONCRETE SHORT COLUMN UNDER AXIAL LOADING | 1876 |
| <i>Jin Sheng Liu, Rui Li Xie, Yong Jiu Qian</i> | |
| THE RELATIONSHIP BETWEEN THE PHASE INTERFACE VALENCE ELECTRON STRUCTURE OF MG-AL ALLOY AND MECHANICAL PROPERTIES | 1882 |
| <i>Jie Yan, Jun Xie</i> | |
| RESEARCH ON THE CARBONATION MODEL OF STRESS CONCRETE COMPONENTS | 1886 |
| <i>Rui Ma, Jin-Quan Zhang, Bo Diao</i> | |
| EXPERIMENT STUDY ON COLD COMPRESSION OF BIOMASS MATERIALS | 1891 |
| <i>Jirong Wang, Guangtao Liu, Jiangang Li, Jun Li</i> | |
| SIMULATING CREEP DEFORMATION IN GENERALIZED VISCO-ELASTIC MEDIUM WITH THE SPACE-TIME FINITE ELEMENT METHOD | 1896 |
| <i>Honggang Jia, Yufeng Nie</i> | |
| RESEARCHING THE APPLICATION OF CFG PILE TREATMENT IN SOFT FOUNDATION OF EXPRESSWAY | 1900 |
| <i>Lijie Zhang, Wei Qing, Shiwei Sun, Haibin Li</i> | |
| SYNTHESIS, CHARACTERIZATION, AND THERMAL PROPERTY OF FUNCTIONAL BIODEGRADABLE POLYCAPROLACTONE | 1904 |
| <i>Wei Na Gao, Xiong Yan Zhao</i> | |
| NONLINEAR ANALYSIS OF REINFORCED CONCRETE BEAM BENDING FAILURE EXPERIMENTATION BASED ON ABAQUS | 1908 |
| <i>Sihua Deng, Ze Qie, Li Wang</i> | |

| | |
|---|------|
| RESEARCH ON DISTRIBUTION OF SPONTANEOUS COMBUSTION "THREE ZONES" AND METHANE CONCENTRATION VARIATION BEFORE AND AFTER NITROGEN INJECTION IN GOAF | 1913 |
| <i>Jun Wang, Xianfeng Liu, Yangyang Meng, Fangfang Sun, Jinxin Huang</i> | |
| POLYSTYRENE INVERSEOPAL TIP AS A SOLUTION INDICATOR | 1918 |
| <i>Tonghua Wu, Xiaohan Su, Dongmei Zhao, Yanhong Zhang, Liguao Sun</i> | |
| NOVEL BIOTRANSFORMATION OF DIGOXIGENIN BY COLLETOTRICHUM LINI AS3. 4486 | 1922 |
| <i>Chaojun He, Jingyan Niu, Yumin Yang, Zengbing Liu</i> | |
| THE ELEMENT DISTURBED EQUATION OF DISSIMILAR MATERIAL FOR THE ANALYSIS OF DUALITY DISTURBANCE | 1927 |
| <i>Shoulong Zhang, Liugang Du, Yanbin Huang, Guangwu Zhang, Jinhe Gao, Weiling Huang, Xiang Tao</i> | |
| THE EVALUATION OF PLANT-MICROBIAL REMEDIATION OF PETROLEUM CONTAMINATED SOIL | 1931 |
| <i>Wencui Ma, Xue-Yi You, Xinxin Wang, Yu Chen</i> | |
| EXAMINATION METHOD OF DUPLEX STAINLESS STEEL BASED ON TRIZ | 1936 |
| <i>Jianjun Yu, Xucheng Rong</i> | |
| DEVELOPMENT FOR DOLOMITE NATIONAL REFERENCE MATERIALS | 1941 |
| <i>Xiangdong Wen, Wenyang Pan, Qian Tan</i> | |
| TESTING TECHNIQUE FOR PENETRATION DEPTH OF PROJECTILE INTO STEEL REINFORCED CONCRETE | 1946 |
| <i>Zhihui Zhang, Yazhou Guo, Ding Zhou, Yulong Li</i> | |
| STUDY ON THE PREPARATION TECHNOLOGY FOR HIGH PURE GALLIUM NITRATE | 1951 |
| <i>Quanmao Yü</i> | |
| RESEARCH ON ELECTROCHEMICAL PROPERTIES OF FLEXIBLE GRAPHITE - ACTIVATED CARBON SUPERCAPACITOR | 1956 |
| <i>Quanmao Yü</i> | |
| INFLUENCE OF TEMPERATURE ON PYROLYSIS OF WASTE TIRE UNDER NITROGEN ATMOSPHERE | 1961 |
| <i>Yongjuan Dai, Guohao Zhang, Chi Zhang, Guanxu Zhang, Dengjie You</i> | |
| PREPARATION OF CC/SCRS COMPOSITE BASED ON WP DEMOULDING | 1965 |
| <i>Chuanbao Wu</i> | |
| EXPERIMENT RESEARCH ON THE MAXIMUM TEMPERATURE DIFFERENCE DURING CONCRETE HYDRATION OF BOX GIRDER BRIDGE CONSTRUCTION | 1969 |
| <i>Yue Yao, Xiao Lei, Zhigang Guo</i> | |
| RESEARCH ON GEOTHERMAL DISTRIBUTION OF HONGTOUSHAN UNDERGROUND METAL MINE | 1973 |
| <i>Jingxian Liu, Ning Mao, Xiaosong Chen, Deqiang Chang</i> | |
| TEST AND ANALYSIS FOR VENTILATION SYSTEM OF HONGTOUSHAN UNDERGROUND MINE | 1977 |
| <i>Jingxian Liu, Ning Mao, Xiaosong Chen, Deqiang Chang</i> | |
| REVISION OF THICKNESS DESIGN OF FROZEN WALLS CONSIDERING FROST HEAVE | 1981 |
| <i>Xiao Min Zhou, Hua-Dong Guan, Yan-Ke Xie</i> | |
| THE BENDING STIFFNESS DETERIORATION OF CIRCULAR STEEL TUBE CONSIDERING THE CORROSION | 1985 |
| <i>Huajie Wang, Gang Song, Hongliang Qian</i> | |
| SODIUM SULFATE CORROSION OF METRO TUNNEL LINING CONCRETE STRENGTH TEST CURVE OF IMPACT STUDY | 1990 |
| <i>Changzheng Sun, Tiantian Sang, Jinke Zhang</i> | |
| INTERACTION OF PAVEMENT AND SOIL WHEN PILLAR ABUTMENT WAS EXCAVATED | 1994 |
| <i>Guodong Zheng, Enpin Hou, Dengyuan Zhu</i> | |
| SEISMIC RESPONSE ANALYSIS ON THE PRESTRESSED CONCRETE CONVERTING TRUSS STRUCTURE | 1999 |
| <i>Ying Zhang, Xin Wei, Yunmeng Chen</i> | |
| RESEARCH ON FRACTURE CHARACTERISTICS OF MACHINE-MADE SAND CONCRETE BY WHITE LIGHT DIGITAL IMAGE ANALYSIS IN FREQUENCY DOMAIN | 2003 |
| <i>Jitao Xia, Xinwei Yang, Zhenlian Wang, Dengdian Qu, Qifang Zhan</i> | |
| INFLUENCES OF ANTI-G SUIT MATERIAL HYGROSCOPICITY ON THERMAL STRESS INDEX OF THE PILOT | 2007 |
| <i>Fengzhi Li, Penghao Ren</i> | |
| INFLUENCES OF THE PCM MICROCAPSULES ON THERMAL PROPERTIES OF THE GARMENT | 2013 |
| <i>Fengzhi Li, Penghao Ren</i> | |
| RESEARCH ON STONE MATERIALS AND THE THERMAL ENVIRONMENT OF DWELLINGS | 2018 |
| <i>Liping Li, Shuai Fan</i> | |
| WOOD MATERIALS DEFECTS DETECTION USING IMAGE BLOCK PERCENTILE COLOR HISTOGRAM AND EIGENVECTOR TEXTURE FEATURE | 2022 |
| <i>Weiwei Song, Tianyi Chen, Zhenghua Gu, Wen Gai, Weikai Huang, Bin Wang</i> | |
| EXPLORATION OF SUSTAINABLE DESIGN OF ARCHITECTURAL ENGINEERING AND CONSTRUCTION PROJECT BASE ON BIM | 2027 |
| <i>Kaike Sun, Zhongfeng Shang, Shoucai Li, Yong Yang, Shuai Guo</i> | |
| SIMULATION RESEARCH ON SOLDER JOINT RESIDUAL STRAIN ENERGY OF AU80/SN20 EUTECTIC SOLDERING GAAS CHIP | 2031 |
| <i>Yajun Liu, Zhaohua Wu</i> | |
| EXPERIMENTAL STUDY OF THE FRACTURE OF THE BONDING INTERFACE BETWEEN THE EPDM FILMS | 2037 |
| <i>Deng Jia, Jian Zheng, Xiong Chen, Jiaquan Yu</i> | |

| | |
|--|------|
| NUMERICAL MODELLING THE ULTRA-BROADBAND MID-INFRARED SUPERCONTINUUM GENERATION IN THE AS₂SE₃ PHOTONIC CRYSTAL FIBER | 2044 |
| <i>Zheng Yan, Jianguo Wen, Chujun Zhao, Wenlong Wang, Yunlin Wang</i> | |
| COMPUTATION OF PRESSURE ON THE PROTECTIVE STRUCTURE TO THE INSTABLE SLOPE OF PIPELINE TRENCH | 2050 |
| <i>Jianyong Li, Guangxiang Yuan, Siwei Wang, Zhiquan Huang</i> | |
| EFFECT OF MARANGONI CONVECTION BY USING COMPUTATION SIMULATION DURING THE KYROPOULOS SAPPHIRE CRYSTAL GROWTH | 2056 |
| <i>M. W Sun , Y. C. Gao, X. Gao, L. Zhang, H. X. Chen</i> | |
| REVIEW OF LAMINAR CONVECTION HEAT-TRANSFER WITH MICROENCAPSULATED PHASE CHANGE MATERIAL SLURRY | 2061 |
| <i>Shiwei Chen, Zhongzhu Qiu, Fengjiao Liu, Jin Xing</i> | |
| ESTABLISHMENT OF THE ELASTIC PROPERTY DATABASE OF FE-BASE ALLOYS | 2065 |
| <i>Di Su, Yan-Lin He, Ji-Qiong Liu, Xiao-Gang Lu</i> | |
| ULTRA-HIGH FREQUENCY SONOCHEMISTRY AND ITS DOSIMETRY | 2076 |
| <i>Xiangjun Wang, Jun Gao, Ping Zhang, Ronghui Lin, Yixin Yang, Hui You, Xiaofei Wang</i> | |
| ASSESSMENT OF GASEOUS PHASE PAHS EMITTED FROM MARINE DIESEL ENGINE USING VORTEX-ASSISTED DISPERSIVE LIQUID-LIQUID MICROEXTRACTION FOLLOWED BY GC/MS | 2081 |
| <i>M. Y. Wang, S. J. Zhang, C. J. Wang</i> | |
| MODIFICATION OF JUTE BY USE OF TRIETHYLENETETRAMINE AND ITS AD-SORPTION BEHAVIOR FOR COPPER (II) | 2087 |
| <i>Y. M. Feng, Z. L. Du, T. Zheng, P. Wang</i> | |
| TRIBOLOGICAL PROPERTIES OF HOT PRESSING ALUMINA MATRIX CERAMIC MATERIALS IMPROVED BY ZR-O-B COMPOUNDS | 2095 |
| <i>Bin Li, Yonggang Wang, Hong Li, Huiyuan You</i> | |
| EVALUATION OF LOW TEMPERATURE PERFORMANCES OF SBS+PPA COMPOUND MODIFYING ASPHALT BY FORCE DUCTILITY TEST | 2100 |
| <i>Yanbin Wei, Rongxin Guo, Feng Yan, Lijia Zhang, Yong Yan</i> | |
| ON THE RESULTING CONCRETE STRUCTURE CORROSION MECHANISM AND PROTECTIVE MEASURES | 2104 |
| <i>Weilin Huang, Jinru Yu, Yibing Xie, Yujie Ge</i> | |
| APPLICATION STUDY ON NEW-TYPE BAMBOO MATERIALS IN SPACE DESIGN | 2108 |
| <i>Hongkun Peng, Songliu Cao</i> | |
| RESEARCH ON INFLUENCE OF DIFFERENT DAMPING MODELS ON ANTI-SEISMIC STRUCTURES | 2112 |
| <i>Changxian Zhou, Shaopeng Zheng, Congrong Ren</i> | |
| RESEARCH ON THE DEVELOPMENT AND APPLICATION OF PHYSICAL MATERIALS | 2116 |
| <i>Sujun Cheng</i> | |
| RESEARCH ON THE APPLICATIONS OF MOLECULAR BIOTECHNOLOGY IN MEDICINE | 2121 |
| <i>Lan Wang, Fang Wang</i> | |
| STUDY ON DESALINATION OF BRACKISH WATER AND CAUSES OF ARID AREA | 2125 |
| <i>Ning Cao</i> | |
| RESEARCH ON APPLICATIONS OF EARTHQUAKE RESPONSE SPECTRUM IN ENGINEERING DESIGNS | 2129 |
| <i>Changxian Zhou, Shaopeng Zheng, Congrong Ren</i> | |
| THE EFFECTS OF MAGNETIC TARGETED NANO-PARTICLES UPON LEVELS OF CYTOKINES IN SERUM AND SYNOVIAL FLUID OF EXPERIMENTAL ARTHRITIS RATS | 2133 |
| <i>Meng Cheng, Dong Zhang, Yun Cai</i> | |
| CONSTRUCTION TECHNIQUE AND TEMPERATURE CONTROL OF BUILDING ENVIRONMENT BASED ON THERMAL PROCESS MODEL | 2137 |
| <i>Xiuli Wu, Yaru Fan</i> | |
| THE SDH EFFECTS ON SKELETAL MUSCLE OF RATS DURING INTERMITTENT HYPOXIA TRAINING | 2143 |
| <i>Ying Gao, Jian Huang, Qiaozhen Yan</i> | |
| Author Index | |