Individual Pitch Control Based on Radial Basis Function Neural Network .............................................. 1
Bing Han, Lawu Zhou, Zhiwen Zhang, Meng Tian and Ningfeng Deng

Study on the Distribution Automation System Terminal Automatic Test Method ........................................... 9
Peng Li, Yimin Qian and Wei Li

Identification for Acoustic Emission Signal of Crack Based on EMD Approximate Entropy and SVM .................. 19
Zhen-hua Zeng, Shou-ming Zhang and Li Si

Capacitors Optimization of Novel Series-Connected Capacitor-Run Three-Phase Induction Motor Fed by Single-Phase Supply ........ 27
Hui Zhong, Xiuhu Wang and Dongwei Qiao

Distributed Cooperative Secondary Control of Microgrids with Bounded Control Input .................................. 35
Xinsheng Wang and Tianyi Xiong

Distributed Robust Control of Uncertain Multi-agent Systems with Directed Networks .................................. 45
Wei Liu, Qingpo Wu and Shaolei Zhou

Resonant Analysis and Depression in Multi-inverter Grid-Connection System ....................................................... 55
Jian Wu, Caihong Zhang, Rui Wang and Dianguo Xu

The Application of Power Electronic Switch in the Regulated Capacity Transformer ........................................... 63
Hongxing Chen, Zhizhen Liu, Tong Hei, Xiaodong Qu and Guozheng Qi

DC Fault Analysis and Protection Design in Shunt Modular Multilevel-Based MTDC System ................................. 71
Jian Wu, Yue Qi, Yanfei You and Dianguo Xu
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Simulation of Zero-Sequence Blocking Transformer (ZSBT)</td>
<td>81</td>
</tr>
<tr>
<td>Kai Xu, Zhi-zhen Liu, Xiao-dong Qu and Guo-zheng Qi</td>
<td></td>
</tr>
<tr>
<td>Design and Simulation of a Vivaldi Antenna Fed by Coplanar Waveguide</td>
<td>89</td>
</tr>
<tr>
<td>Lizhong Song, Weiwei Yin and Jia Li</td>
<td></td>
</tr>
<tr>
<td>The PID Parameters Optimization Method Based on GA for NC Power Supply</td>
<td>97</td>
</tr>
<tr>
<td>Chenjia Wei, Zehao Liu, Peizheng Li, Jianfei Chen and Sheng Zhang</td>
<td></td>
</tr>
<tr>
<td>Different Feature Combination Rules in CNNs for Face Detection</td>
<td>105</td>
</tr>
<tr>
<td>Qingyang Xu and Li Zhang</td>
<td></td>
</tr>
<tr>
<td>The Contact Behavior Analysis Between Microcomponents on a Low-Frequency Reciprocating–Fretting Ball-on-Flat Tribometer</td>
<td>111</td>
</tr>
<tr>
<td>Zhongnan Wang, Wuyi Wang, Guangyu Zhang and Hejuan Chen</td>
<td></td>
</tr>
<tr>
<td>Single-Phase AC Voltage Control Circuit for Flow-Induced Acoustic-Vibration Piezoelectric Generator</td>
<td>127</td>
</tr>
<tr>
<td>Bo Chen, Jiacun Sun, Hejuan Chen, Jian Yang and Wei Qu</td>
<td></td>
</tr>
<tr>
<td>Medium and Long-Term Electric Power Planning Load Forecasting Based on Variable Weights Gray Model</td>
<td>137</td>
</tr>
<tr>
<td>Da Song and Xiaobo Liu</td>
<td></td>
</tr>
<tr>
<td>Combination and Optimization Load Forecasting Based on Credibility</td>
<td>145</td>
</tr>
<tr>
<td>Jia-liang Chen, Shu-bo Hu, Wei Zhou, Lin Zhao, Jian-ming Yu, Guo-hui Shen and Jing-jie Sun</td>
<td></td>
</tr>
<tr>
<td>Actuated Signal Control System for Pedestrian Street Crosswalk at Midblock Crossings</td>
<td>153</td>
</tr>
<tr>
<td>Longjian Wang, Yonggang Wang and Mengyang Xin</td>
<td></td>
</tr>
<tr>
<td>Study of a Unidirectional Hybrid Three-Phase Voltage Source Rectifier</td>
<td>163</td>
</tr>
<tr>
<td>She Dongjin, Wang Jiuhe and Zhai Dandan</td>
<td></td>
</tr>
<tr>
<td>The Heading Control of POD-Driven Ship Using Adaptive Integrator Backstepping</td>
<td>173</td>
</tr>
<tr>
<td>Yacong Zhao, Haibin Huang and Yufei Zhuang</td>
<td></td>
</tr>
<tr>
<td>Dynamic Modeling of RR-RRR Spherical Parallel Manipulator for Vector Thruster</td>
<td>181</td>
</tr>
<tr>
<td>Han Xu, Yuan Chen and Jun Gao</td>
<td></td>
</tr>
</tbody>
</table>
Synchronous Generator-Based Design of Damping Emulation Controller for DFIG .................................................. 189
Zhang Yan, Yang Chunhua and Sun Hui

Study on Control Strategy of Harmonic Suppression in a Wide Power Range Based on V2G Bidirectional Onboard Charger ............. 197
Fuhong Xie, Weifeng Gao, Xiaofei Liu and Shumei Cui

Snow Removal of Video Image Based on FPGA ...................... 207
H.H. Li, S. Liu and Y. Piao

A New Concept: Azimuth Dilution of Precision for Monocular Observational Tracking System ............................................ 217
Bing Liu, Dong Wang, Zhen Shen, Taihe Yi and Dongyun Yi

Study on Self-adaptive Packet Scheduling Algorithm of TD-LTE System’s Downward Frequency Domain ................................. 225
Jia-liang Ling, Jian-zhong Cao and Tian-fa Liao

The Research and Simulation of Three-Level NPC Inverter ........... 233
Yuan Deng and Guanyao Jin

Research and Application of 350 MW Unit Water Wall Crack Failure ................................................................. 241
Rui Zhang and Chunying Wu

Optimal Design of a Linear Induction Motor for Traction Application ................................................................. 251
J. Gong, F. Gillon and H. Zhong

Simulation on the Boost-Buck Current Compensation Device of PV Grid Connection and Active Power Filter All-in-One Machine ....... 259
Tian-fa Liao, Zhao-quan Cai, Jia-xiang Xue and Hong-wei Zhang

An Improved DV-Hop Node Localization Algorithm Combined with RSSI Ranging Technology ................................. 269
Hongyu Shi and Ling Peng

Processing to the Commutation Failure in Multi-infeed Direct Current System ......................................................... 277
Xuan Wang, Hui Yan, Yuhong Wang, Junfeng Gui, Mingchao Xia, Xiaogang Hu and Pingzhu Liu

Research on Friction and Thermal Load Performance of Hydro-viscous Clutch ...................................................... 285
Li-gang Ma, Chang-le Xiang, Ming-gang Du and Liu-yang Guo

A Comprehensive Evaluation Model for Switchgear Based on the Normal Cloud Model and D–S Evidence Theory .............. 295
Y. Jia, D. Liu and H. Sui
Target Tracking Based on Audio and Video Information Fusion 305
H. Wang

Experimental Research on Fatigue Damage of Composite Solid Propellant with Constant Constrain 315
Jinfei Li, Weidong Huang, Kai Qu, Wenshuang Wang and Ming Yang

Impacts and Analysis of Electric Vehicles and Photovoltaic Integration into Power Systems 323
Cheng Gong, Zhongjun Chi, Baoqun Zhang, Longfei Ma, Rui Shi and Ran Jiao

A Wireless Multipoint Parameter Monitoring System for Greenhouse Environment 333
Xiaoqing Zhang and Yudong Jia

A Survey of Fault Location for Distribution Systems 343
Yongjun Liu, Min Liu, Cheng Lin and Kefeng Ou-yang

Numerical Simulation of Flow Field of a Centrifugal Compressor with a High Pressure Ratio 349
Zhipeng Xu, Wei Shen, Yong Zhang and Longbo Gao

Render Synthetic Objects with Background Image According to Image-Based Lighting 357
Binling Luo, Shuting Cai, Shaojia Wen and Daolin Hu

Reliability Evaluation of Distribution Systems Incorporating Distributed Generators Using Monte Carlo Simulation 367
Zhenpeng Wu and Aoying Ji

Circular Synthetic Aperture Sonar Imaging Using Isometric Angle Characteristic 375
Guo-hui Di, Jun Wang and Fu-lin Su

Analysis of the Choice of a Serial Reactor in a Parallel Capacitor Device 385
Xianzhong Long, Xiaobo Liu and Da Song

Decision Fusion Moving Target Detection of Radar Video Based on D-S Evidence Theory 393
Xiaohan Yu, Wei Zhou, Jian Guan and Wenchao Hu

Effect of Co-doping on the Electronic Structure and Absorption Spectrum of Wurtzite ZnO Under Pressure 403
Jing Leng, De-jun Wang, Zheng-hao Sun, Wei-jie Liu and Run-ru Liu

Fitting Formula of Sheath Currents and Arrangement Optimization of Cables 411
Yong-zhi Wang, Wei Cao, Hai-sheng Liang and Fan Li
Analysis and Simulation of Electric Vehicle Power Battery .......................... 421
Longfei Ma, Baoqun Zhang, Cheng Gong, Ran Jiao, Rui Shi and Zhongjun Chi

Vibration Suppression of a 3-DOF Parallel Manipulator Based on Single-Mode Input Shaping Combined with PD .......................... 429
Bing Li and Yulan Wei

Hybrid Dual-Loop Control for a Three-Phase PWM Rectifier ...................... 439
Jing Cao, Chaonan Tong and Hongtao Li

A Voltage Regulating Electronic Transformer with High Power Factor and Wide Working Voltage .............................................. 447
Hui Su, Yonggao Jin and Xiaodong Qu

The Quantitative Assessment Study on the ‘First-Class’ of the Key Indices of Grid Evaluation .................................................. 457
Zheng Wu, Ming Zeng, Junhui Huang, Jan Tan, Jun Han, Wenqi Gu and Han Xu

A Novel Polarimetric Marine Radar ......................................................... 465
Tao Jin, Huihui Xian, Xuebin Wang and Xiaohui Qi

Monitoring of the Performance of Excitation System Based on Measured PMU Data ................................................................. 473
Sai Wang, Xueping Gu, Wei Tang, Zhen Li and Yuanchao Huang

Comprehensive Evaluation on the Primary Frequency Regulation Performance of Generator Units Based on Data from a Wide Area Measurement System .......................................................... 483
Yan Zhang, Xuan Pan, Xinqiao Fan, Sai Wang, Zhen Li and Yuanchao Huang

A Novel PQ Control Strategy of Microgrid with Single-Phase Connected to Grid ................................................................. 493
Baoqun Zhang, Longfei Ma, Cheng Gong, Ran Jiao, Rui Shi and Zhongjun Chi

Assessment of Civilian Demand Response Behavior Supporting Wind Power Digestion .................................................. 503
Ran Jiao, Baoqun Zhang, Cheng Gong, Longfei Ma, Rui Shi, Zhongjun Chi, Bing Yang and Huizhen Liu

Research on CO₂ Laser Frequency Stabilization by Adjusting Grating Angle ................................................................. 513
Yanchao Zhang, Zhaoshuo Tian, Guang Dai, Chunlei Jin and Zhenghe Sun

Study on Shipborne Video Electro-optical Tracking System Based on FPGA .......................................................... 521
Zongjie Bi, Zhaoshuo Tian, Tao Luo and Shiyou Fu
A Timing Synchronization Method with Peak Plateau for OFDM Systems ................................. 531
Yanping Li

GRNN Model for Fault Diagnosis of Unmanned Helicopter Rotor’s Unbalance .......................... 539
Xi-hua Xie, Lei Xu, Liang Zhou and Yao Tan

A Double-Stage Strategy Based on DNA Computing to Search the Optimal Section of Active Splitting ........................................ 549
Xiaoli Ye, Fei Tang, Jian Yang, Junru Xu, Yongle Zheng and Qiang Zhao

The Design and Realization of Motion Controller for Truss Robot .... 559
Peng Zheng, Wusheng Chou and Huaidong Zhou

Dynamic Characteristics of Wind Turbine Gearbox with the Chipping Fault ........................................ 567
Xin Wang, Yuxiu Xu and Taotao Li

Demonstration for Low Cost Wireless Smart Sensor Networks Based on ARM for Structural Health Monitoring ................ 575
Jian Xu, Wenhao Wan, Yuying Wu and Zhaoyu Sun

Risk Study on Long-Distance Oil and Gas Pipelines Engineering .... 583
Shujiao Tong, Zongzhi Wu, Rujun Wang and Yingquan Duo

Optimization Method Based on Selection Strategy of Initial Point and Six Sigma Robust Design ........ 591
Aimin Ji, Mengni Zhang, Pin Lv and Xu Yin

Dynamic Flux and Torque Estimation of Single-Phase Induction Motors Based on the Vector Control Theory of Motors .......... 601
Dandan Sun and Ding Wang

Performance Evaluation of Ballistic Missile Detection for the Skywave OTHR Based on the Preliminary and the Weighted Indexes .......................................................... 609
Shihua Liu, Defang Li and Bing Hu

Personnel Surface Electric Field Research of Live Working on Insulation Bucket Arm Car of 500-kV Transmission Lines .......... 617
Bing-ling Zhou and Dong-ze Xu

Failure Mode Analysis on Machining Center Based on Possibility Theory ........................................ 627
Hongzhou Li, Fei Chen, Zhaojun Yang, Liding Wang and Yingnan Kan

Microstructure and Tensile Properties of Squeeze Cast AZ91D Magnesium Alloy ........................................ 637
Xizi Xiao, Yun Chen and Juan Du
Research and Design of Merging Unit of Electronic Transducer
Zheng Qiao, Bujuan Li, Yikang Zu and Yanqin Sun

Overall Iteration Design of a New Concept Wing Disk
Solar-Powered Aircraft
Hong Da and Zhu Jihong

Research on an Automation Network for CSP Product Line
Tongbin Li, Bin Wang, Ning Zheng and Xin Kang

An Improved BBO Algorithm and Its Application in PID
Optimization of CFB Bed Temperature System
Hong Xue and Han Pu

Study on Joint Vibration Attenuation of the Satellite Attitude Control Actuator Using a Vibration Isolator and Vibration Absorbers
Peng Tian and Rui Zhong

Weight Calculation of Oil and Gas Pipelines Risk Factors Based on Improved AHP
Tianyu Wang, Deyu Xu, Rujun Wang and Shujiao Tong

Optimization for the Structure of Front Transmission Gearbox
Zhenqi Yu

Study on the Hydrostatic Slide Film Temperature Field and Bearing Capacity of Precision Grinding Machine
ChuanShe Guo and Yi Cui

Study on Fuzzy Classifier Based on Genetic Algorithm Optimization
Qian Gao and Nai-bao He

Research on Automatic Identification of Color and Classification Applied to Electric Online Monitoring
Yi Zhang, Feng Zhang, Bin-quan Zhu and Lv Tang

Design of Control System for an Intelligent Closestool
Shuyun Zhu, Yan Chen, Hanhan Wang and Fangjuan Xie

Research on Damage Assessment of Corroded Oil and Gas Pipelines Based on Fracture Mechanics
Rujun Wang and Shujiao Tong

The Research on Capacity Rise Phenomenon of the Cable Line Under AC Voltage Withstand Test
Geqing Qi, Wenfeng Song, Dan Yuan, Zhuang Qi, Jianing Guo, Wei Zhang and Lulu Wang
Lyapunov-Based Control Strategy for Grid-Connected Inverter with Improved Transient Response ........................................... 773
Jinhao Wang, Chaoying Yang and Yulong Wu

The Simulation of STATCOM for Distribution Systems Using a Mathematical Model Approach ........................................... 783
Wei Xie and Jian-Min Duan

The Design of Linear Three-Dimensional Calibration .......... 791
Dequan Guo, Xinrui Zhang, Hui Ju, Hong Liu and Jin Chen

Design and Development of LED Dimming System Based on Wireless Remote and Bluetooth Control Technologies ............. 801
Yiwang Wang, Bo Zhang, Sikui Wu, Xiang Cang and Xiaoxiao Li

Open PID-Type Iterative Learning Control for Linear Time-Invariant System ......................................................... 809
Xuelian Zhou and Qiang He

Development of an Integrative Pointing Gimbal Mechanism for Space Application ....................................................... 817
Bo Pan, Shuyang Zhang, Lin Li, Fanxin Sun and Yongqiang He

Multiuser Scheduling on Dual-Hop Relay Networks and Effect of Feedback Delay ......................................................... 827
Jiyao Wei and Xianyi Rui

Research on System Modeling and Starting Strategy of Inverter for Medium-Frequency Induction Heating ...................... 835
Sen-lin Cheng, Hu Xu, Chuan Wang and Qiang-zhi He

Optimal Configuration of Bypass Diodes for a High-Concentration Photovoltaic System .............................................. 845
Ting-Chung Yu, Yao Ti Hung, Yih-Bin Lin, Chih-Hao Chen and Yan-Cheng Liou

Optimal Design and Analysis of a 3.3-MW Wind Turbine Gear Train ................................................................. 857
Jianxin Zhang and Zhange Zhang

The Analysis of Battery Cooling Modes of EV ..................... 865
Yue Yang, Pengyu Wang, Guangming Lu, Hang Dong, Feng Li and Yanru Suo

The Research of Aviation Dangerous Weather Forecast for Fog and Haze Based on BP Neural Network ................... 877
Yanfen Cheng and Rui Wu

Small Power Sine Wave Inverter Design ........................... 885
Xuefeng Bai, Yongjian Ma, Hanqing Li and Pei Li
Uncertainty Quantification Using Random Set Based on IODM .......................... 893
Zhao Liang

Coordinated Control Method of AGC and AVC in Power Grid .......................... 901
Shiguang Li, Zian Wang, Xinjing Wu and Jiatong Du

Research into Key Points and Application Ideas of Reliability Assessment for Medium-Voltage Distribution Networks ............................... 911
Lingyun Wan, Tingting Wei, Jin Fu, Gaolin Wu, Qunying Yang and Wei Song

Heat Transfer-Based Fault Diagnosis for Heat Exchanger of Aircraft Environmental Control System .................................................. 921
H. Zhuohuan, W. Lulu and Y. Mo

Direct Torque Control of Permanent Magnet Synchronous Motor at Low Speed Using a Variable PI Feedback Flux Observer .......................... 927
Suying Zhang, Wenshuai Cui, Yankai Shen and Huixian Liu

Research on the Speed Synchronization Control Method of Double-HST Motor ................................................................. 937
Qian Ming Yang, Jian Li and Ling Qi Kong

Design and Development of an In Situ Radioactivity Measuring System in the Marine Environment .................................................. 949
Yingying Zhang, Bingwei Wu, Ying Zhang, Guoxing Ren, Dongyan Liu and Lu Cao

The Design of Shield Posture’s Monitoring and Control System Based on Configuration Software .................................................. 955
Yiping Shi and Yungen Wang

Application Research of SuperCapacitance on Fuel Consumption Wheel Crane ........................................................................ 963
Chao Li, Lu Niu and Aihong Tang

Research on Elastic Characteristic of Interconnected Oil Gas Suspension ................................................................................. 971

Impact of Switching Three-Phase Breaker at Different Period on Inter-turn Protection for High-Voltage Shunt Reactor ......................... 979
Sheng-Hong Lin, Shu-Yan Pan and Hua-Ren Wu

The Application Software Framework About Distributed Intelligent Alarm Information in Intelligent Substation ................................. 989
Xin Xu, Zhiqiang Yao, RenHui Dou, Hao Ren, Mingzhi Geng and Hui Ren
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Design and Implementation of Substation Graphic Gateway System Based on IEC61850 Technology</td>
<td>999</td>
</tr>
<tr>
<td>Mingzhi Geng, Renhui Dou, Yanping Wu, Zhiqiang Yao, Hao Ren and Xin Xu</td>
<td></td>
</tr>
<tr>
<td>An Improved Particle Swarm Optimization and Application</td>
<td>1007</td>
</tr>
<tr>
<td>Dongsheng Zhou, Lin Wang and Jiang Wei</td>
<td></td>
</tr>
<tr>
<td>Quantitative Analysis of Air Injection for Compressor</td>
<td>1015</td>
</tr>
<tr>
<td>Active Control</td>
<td></td>
</tr>
<tr>
<td>Zhanheng Sun, Sanmai Su, Junjie Liu and Gao Rao</td>
<td></td>
</tr>
<tr>
<td>Thermocapillary Flows in Half-zone Liquid Bridges Under Axial Magnetic Fields</td>
<td>1023</td>
</tr>
<tr>
<td>Ruquan Liang, Linyang Zhu, Limin Kong, Fuqiang Yan and Shuo Yang</td>
<td></td>
</tr>
<tr>
<td>A Dual-Redundancy Thermal Backup Control Method for the Two-Wheeled Self-balancing Robot</td>
<td>1029</td>
</tr>
<tr>
<td>Yong Tao, Tianmiao Wang, Ye Wang, Jianhong Liang and Zhongyuan Chen</td>
<td></td>
</tr>
<tr>
<td>The Influence of Surface Roughness on the Aerodynamic Characteristics of Overhead Wire</td>
<td>1039</td>
</tr>
<tr>
<td>Zhangqi Wang and Lizhong Qi</td>
<td></td>
</tr>
<tr>
<td>Multi-objective Optimization Algorithm in Mission Planning of On-Orbit Servicing Spacecraft</td>
<td>1049</td>
</tr>
<tr>
<td>Qing Zhang, Jianxin Zhang, Qiang Zhang and Xiaopeng Wei</td>
<td></td>
</tr>
<tr>
<td>Product Conceptual Design Based on Polychromatic Sets Theory and Axiomatic Design</td>
<td>1061</td>
</tr>
<tr>
<td>Jianxin Zhang, Yangjie Zhou, Qiang Zhang and Xiaopeng Wei</td>
<td></td>
</tr>
<tr>
<td>Study on Dynamic Balance PID Control Algorithm and Its Application on the Quadrotor</td>
<td>1071</td>
</tr>
<tr>
<td>Hongwei Yan, Hongbin Li and Shaohua Song</td>
<td></td>
</tr>
<tr>
<td>The Electronic, Magnetic, and Vibrational Properties of Ce₃Co₂₉Ge₄B₁₀</td>
<td>1079</td>
</tr>
<tr>
<td>Liu-Tao Zhao, Xiao-Xu Wang, Jin-Rong Huo, Hai-Xia Cheng, Jin-Qiao Xie, Lu Li and Ying Liu</td>
<td></td>
</tr>
<tr>
<td>Effects of Activation Treatment on Interfacial Bonding in A356-10 wt% B₄C Composite Sheets Prepared by Rheo-Rolling</td>
<td>1089</td>
</tr>
<tr>
<td>Zhan Yong Zhao, Yang Zhang, Zhou Yang Zhao, Ren Guo Guan, Yuan Dong Li and Ben Chao Chen</td>
<td></td>
</tr>
<tr>
<td>LQR Optimal Control on the Positioning Accuracy and Rigidity for the Pneumatic Actuator</td>
<td>1097</td>
</tr>
<tr>
<td>Hongwei Yan, Hongbin Li and Shengjun Zhou</td>
<td></td>
</tr>
</tbody>
</table>
A Study of Visual Servo System Based on Binocular Camera .................................. 1105
Lei Hu and Chen Shen

Exploration of the Gas–Liquid Separation Effect of Vortex Tool in Downhole .................................................. 1113
Zhijian Wang, YanBob Jia and Kai Liu

Study on Hopping Height Control and Detection for the Pneumatic Actuator .................................................. 1121
Hongwei Yan, Hongbin Li and Shengjun Zhou

An Interval-Reduced-Basis Approach for Predicting Acoustic Response of Coupled Structural-Acoustic System .................................................. 1129
Zheng Lv, Zhiping Qiu and Qi Li

FE Research on Influence of Pouring Temperature on Thermal Fatigue Depth for Aluminum Alloy Die Casting Die .................................................. 1139
Chenggang Pan, Huqun Yang, Wenchao Ma, Qin Xiao and Qingming Chang

Analysis of the Protection of a Simplified Surge Protective Device for Low-Voltage AC Power System .................................................. 1147
Huiping Liu, Xiaoqing Zhang and Kejie Huang

Investigation of Load Distribution Among Teeth of an Aero-engine Spline Coupling .................................................. 1155
Xiangzhen Xue, Sanmin Wang, Jian He and Hui Wu

Dynamics Analysis of Linear Array Deployable Structure Based on Symmetrical Scissor-Like Element .................................................. 1163
Bo Li, San-Min Wang, Ru Yuan, Chang-jian Zhi and Xiang-zhen Xue

Research and Development Analysis of Information Security in Smart Grid Construction .................................................. 1173
Yixin Ding, Ming Li, Li Yan and Junwei Ma

The Multiobjective Optimization Model of Open Mill Mastication Parameters .................................................. 1179
Zhang Liang, Wang Qidong, Zhu Lihong and Zhao Han

Precision Compensation Analysis of Spacecraft Assembly Parallel Mechanism .................................................. 1191
Guangtong Liu, Guotao, Yanlei Zhang and Laiying Tang

Research on CAD/CAM Integration Methods Based on the STL Model .................................................. 1201
Huiqun Zhou and Jianjun Wu
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Investigation on the Characteristics of DC Air Discharge at Low Pressure Based on Hydrodynamics and Chemistry Model.</td>
<td>1209</td>
</tr>
<tr>
<td>Xing-hua Liu, Xue-Feng Sun, Ri-chang Xian, Yu-Feng Chen and Peng Yu</td>
<td></td>
</tr>
<tr>
<td>Research on IOT Technology Applied to Intelligent Agriculture</td>
<td>1217</td>
</tr>
<tr>
<td>Juntao Li, Weihua Gu and Hang Yuan</td>
<td></td>
</tr>
<tr>
<td>Effective FPGA-Based Enhancement of Quantitative Frequent Itemset Mining</td>
<td>1225</td>
</tr>
<tr>
<td>Xiaoqi Gu, Yongxin Zhu, Meikang Qiu, Shengyan Zhou and Chaojun Wang</td>
<td></td>
</tr>
<tr>
<td>Image Classification Based on Deep Learning for Big Data of Power Grid</td>
<td>1233</td>
</tr>
<tr>
<td>Jun Yin, Yongxin Zhu, Weiwei Shi, Yunru Qiu, Xingying Liu and Gehao Sheng</td>
<td></td>
</tr>
<tr>
<td>Whether the High-Voltage Transmission Lines Have Enough Load Capacity After Wildfire</td>
<td>1243</td>
</tr>
<tr>
<td>Tianzheng Wang, Zhen Tang, Xinwei Wang, Jinzhao Yang, Xiaogang Wu, Kezhao Zhao, Chong Zuo and Weiyi Chen</td>
<td></td>
</tr>
<tr>
<td>Design and Analysis of the Hydraulic System of the Small Slide Loader</td>
<td>1253</td>
</tr>
<tr>
<td>Kailin Feng, Guanguo Ma and Yipeng Chen</td>
<td></td>
</tr>
<tr>
<td>An Extended Kalman Filter Application on Moving Object Tracking</td>
<td>1261</td>
</tr>
<tr>
<td>Yuan Niu and Lisheng Hu</td>
<td></td>
</tr>
</tbody>
</table>
Proceedings of the 5th International Conference on Electrical Engineering and Automatic Control
Huang, B.; Yao, Y. (Eds.)
2016, XVI, 1268 p. 728 illus., 420 illus. in color. In 2 volumes, not available separately., Hardcover
ISBN: 978-3-662-48766-2