

2017 IEEE 2nd Advanced Information Technology, Electronic and Automation Control Conference (IAEAC 2017)

**Chongqing, China
25-26 March 2017**

Pages 1-672



**IEEE Catalog Number: CFP17IAK-POD
ISBN: 978-1-4673-8980-8**

**Copyright © 2017 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP17IAK-POD
ISBN (Print-On-Demand):	978-1-4673-8980-8
ISBN (Online):	978-1-4673-8979-2
ISSN:	2381-0947

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) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

Table of Contents

0001-1	Analysis of electromagnetic forces on involute part of end winding in a 1550 MW nuclear generator <i>Zeng Chong, Huang Song, Yang Yongming</i>	1
0002-8	Design of Notch Ultra-Wideband Antenna with New Oval CRSS Structure <i>Xiaodong Yang, Daisuke Ogawa, Na Dai</i>	5
0003-10	Fractional Proportional Integral controller applied into two parallel 3-phase PWM Rectifiers <i>Thi Thu Giang Hoang, Xiaohong Wang, Xiaozhuang Zhou, Lianfang Tian, WeiChang Chen</i>	9
0004-11	Anti-interference Waveform Design for Automotive Radar <i>Xiaokang Yang, Kunfan Zhang, Ting Wang, Yongjun Zhao</i>	14
0005-12	A Fault Location Method of Error Correction based on Ant Colony Algorithm for Distribution Network <i>Junkai Ge, Jing Zhang, Xiang Hu, Tiyin Li, Haiyan Yao, Yu Su, Jiafang Wu</i>	18
0006-13	Hardware Circuit Design of On-load Voltage Regulation Switch based on High Power IGBT <i>Junqing Gao, Junkai Ge, Jing Zhang, Xiang Hu, Tiyin Li, Jiafang Wu, Yu Su</i>	22
0007-14	Design of simple electronic organ based on single chip microcomputer <i>Jianbo Zhang, Yin Qun</i>	26
0008-16	A Method of Electric Power Consumption in Household Micro-grid based on Energy Efficiency Management <i>Siwei Li, Xiaodan Liu, Min Wang, Zhuochu Liu, Sining Wang, Liuyang Fan</i>	30
0009-17	Autonomous Flight and Landing for Multi-Rotor using Integrated Navigation and Vision Detection <i>Ruizhi Qiao, Xinming Li, Yongji Wang, Lei Liu</i>	36
0010-18	An Intelligence Monitoring Technique for Abnormal Water Surface Based on Gaussian-Hermite Moments <i>Youfu Wu, Fang Li, Chunyan Pan, Jing Wu</i>	41
0011-19	Comparative study between Passive PFC and Active PFC based on Buck-Boost Conversion <i>Ibrahim M. Safwat, Wu Xiahua</i>	45
0012-20	A Study on Aircraft Pitch Rate Signal Reconstruction based on Signal Combination <i>Xianshuai Zuo</i>	51

0013-22	Application of HHT in SRM Fault Feature Extraction <i>Yang Ruikun, Ma Ruiqing, Bai Peng</i>	57
0014-23	Generalized Projective Lag Synchronization in Fractional-order Chaotic Systems with Unknown Parameters <i>Yancheng Ma, Guoan Wu, Lan Jiang</i>	64
0015-24	Robustness Analysis for Rotorcraft Pilot Coupling with Helicopter Flight Control System in Loop <i>CHEN Junfeng, LI Wuzhou, SUO Wenchao, WANG Zegang, XU Penghui, WANG Weilong</i>	68
0016-25	Research on LBS Privacy Protection Technology in Mobile Social Networks <i>Wen He</i>	73
0017-26	A novel replication consistency maintenance strategy in cloud storage system <i>Jun Li, Mengshu Hou</i>	77
0018-28	On Operation Phenomena In Networks With Hub-Rings <i>Hui Sun, Xiaohui Zhang, Bing Yao</i>	82
0019-29	The UWB based Forklift Trucks Indoor Positioning and Safety Management System <i>Enji Sun, Ruixin Ma</i>	86
0020-31	Distributed Storage and Processing of Real-time Data in Smart Grid Dispatching and Control Systems <i>Jin Liu, Chunlei Xu, Mingyang Sun, Jiaqing Zhao, Weijin Zhuang</i>	91
0021-32	Signal Detection in SAR Against the clutter reflections Background <i>Dorosinskiy L. G., Kurganski A. A.</i>	96
0022-33	One Small-World Scale-Free Network Model Having Tuned Parameters <i>Fei Ma, Jing Su, Bing Yao</i>	99
0023-34	An improved Ant Colony algorithm for MapReducebased Fleet Assignment Problem <i>Zheng Yang, Ying Yu, Kang Zhang, Hongjie Kuang, Weijie Wang</i>	104
0024-35	Study on the Comprehensive Assessment System of Distribution Network Construction Project Input-Output Benefit <i>Liu Hong, Cui Wen-ting, Liu Wei, Qu Gao-qiang, Zhou Xiao-min</i>	109
0025-37	A Novel Special Emitter Identification Method Based on Improved Subclass Discriminant Analysis <i>Guiliang Wang, Yuanling Huang</i>	114

0026-38	Radarsignal classification algorithms synthesis and analysis <i>Leonid Dorosinskiy, Filipp Myasnikov</i>	119
0027-39	Sampled-data containment control in second-order multi-agent systems with event-triggered transmission <i>Hong Xia</i>	123
0028-41	Dynamic Compound Models Towards Internet Of Things <i>Jing Su, Fei Ma, Bing Yao</i>	127
0029-42	An Improved DAG-SVM algorithm in High Voltage Circuit Breaker Fault Diagnosis <i>Yi Pan, Fei Mei, Yaming Geng, Yu Chai, Jianyong Zheng</i>	131
0030-43	A Detecting Algorithm of DSSS Signal Based on Auto - correlation Estimation <i>Zhaozhao Zhang, Jing Lei</i>	137
0031-44	A Plug-and-play Implementation Method for General Spaceborne Device <i>Yudong Gao , Kaiwu Tu</i>	142
0032-47	A New Collaborative Filtering Algorithm based on Modified Matrix Factorization <i>Hanmin Ye, Qiuling Zhang, Xue Bai</i>	147
0033-48	A study for radio wave propagation characteristic on human body in millimeter wave band <i>Hongmei Zhao, Qian Wang</i>	152
0034-49	Design and Kinematic Analysis of an Elephant-Trunk-Like Robot with Shape Memory Alloy Actuators <i>Ruidong Luo, Tianmiao Wang, Zhenyun Shi, Jiawen Tian</i>	157
0035-50	Waveforms classification based on convolutional neural networks <i>Bendong Zhao, Shanzhu Xiao, Huanzhang Lu, Junliang Liu</i>	162
0036-51	The Strategy of Electric Vehicle Fast-charging on Correcting Slope Iteratively <i>Ying Chen, Lei Wu</i>	166
0037-52	Euler-Precision ZFD Formula 3NgPFD_G Extended to Future Minimization with Theoretical Guarantees and Numerical Experiments <i>Yunong Zhang, Huihui Gong, Jian Li, Huanchang Huang, Min Yang</i>	171
0038-53	From Euclid Division of Constant Integers to Zhang Division of Time-Varying Variables <i>Yunong Zhang, Min Yang, Maotai Zou, Sheng Wu, Binbin Qiu</i>	177

0039-55	A Novel Temperature Drift Error Model for MEMS Capacitive Accelerometer <i>Bing Qi, Jianhua Cheng, Lin Zhao</i>	182
0040-56	A Dynamic Mapping Method for Reducing Migrations in DVE Systems <i>Wei Zhang, Hangjun Zhou</i>	187
0041-57	Vessel Collision Accidents Analysis based on Factor Analysis and GA-SVM* <i>Hui Fang, Zhiqiang Guo, Jie Yang, Shengming Liu</i>	191
0042-58	A Combined PTS-Companding Scheme for PAPR Reduction in OFDM System <i>Xiaoyong He, Hui Yan, Junliang He, Ming Cai, Zhaoxia Jing</i>	196
0043-59	Design of a Portable Mini Potentiostat for Electrochemical Biosensors <i>Chun-Yueh Huang, Hsin-Ta Huang, Ruei-Ting Yuan</i>	200
0044-60	Development and Implementation of a Multifunctional Inspection and Rescue Robot System for Fusion Facility <i>Wang Mingfei, Chou Wusheng, Fan Jiabin</i>	204
0045-61	Air-conditioning Fault Prediction About New Energy Bus Based on Particle Swarm Algorithm <i>Changnan Guo, Yuanli Wang, Yi Zhong</i>	211
0046-62	Research and Implementation of Reconfigurable Architecture of DES and ZUC <i>Yuhan Chen, Xuehui Du, Wei Xiao, Haiyang Zhang</i>	216
0047-63	Research on Dynamic Routing and Wavelength Assignment Algorithm for Optical Networks <i>Gao Huimin, Yang Wen, Wang Liang, Liu Zhengtang</i>	221
0048-65	Software Defect Prediction based on Geometric Mean for Subspace Learning <i>Yan Gao, Chunhui Yang, Lixin Liang</i>	225
0049-66	Correction Method for TOA Measurement of Target Signal based on Kalman Filter <i>Zili Xu, Donglin He, Jing Li, Li Jiang, Huai Wang</i>	230
0050-67	A New Modulation Format of Hybrid Control of Bandwidth and Duration to Compensate Range Migrations <i>Sen Wang, Caiyong Lin, Qinglong Bao, Zengping Chen</i>	236
0051-68	Ultra-high Density Rewritability Function Achieved Using Phase-change Electrical Probe Memory <i>Jing Pan</i>	240

0052-69	Analysis of Asynchronous Containment Control Problem for Discrete-Time Multi-Agent Systems <i>Jinliang Shao, Lei Shi, Lisha Gong</i>	247
0053-70	A Technique for Bytecode Decompilation of PLC Program <i>Xuefeng LV, Yaobin Xie, Xiaodong Zhu, Lu Ren</i>	252
0054-71	Underwater Acoustic Target Classification Based on Modified GFCC Features <i>Zixu Lian, Ke Xu, Jianwei Wan, Gang Li</i>	258
0055-72	Application of Wireless Local Area Network in Hospital Information System <i>Sun Qiaoyu, Sun Qiaoyan, Chen Lijuan, Zhao Chuanyun</i>	263
0056-73	Experimental study on underwater acoustic signal recovery technique based on chirp-modulation passive time reversal using multi-receive array <i>Bo Zou, Jingsheng Zhai, Jian Xu, Zhaoxing Li, Sunpei Gao</i>	267
0057-75	A Distinctive Method to Improve the Security Capacity of Backscatter Wireless System <i>Huiying Song, Yuanyuan Gao, Fuxing Yao</i>	272
0058-76	A Novel Doppler Spread Estimator for OFDM Systems under Doubly Selective Fading Channels <i>Chang Liu, Zhi Zhang, Xiao Tang, Xueliang Liu</i>	277
0059-77	Coco Model: A Predictive Model to Explain Interaction Phenomena in Social Networks <i>Chen Liu, Qianni Deng</i>	282
0060-79	A Hybrid Firefly Algorithm <i>Xiangbo Qi, Sihan Zhu, Hao Zhang</i>	287
0061-80	A Self-Calibrated Multiphase Timing System in Time-interleaved ADC <i>Jie Sun, Jianhui Wu</i>	292
0062-81	Small UAV Autonomous Localization Based on Multiple Sensors Fusion <i>Bingfei Li, Huawei Liu, Jianye Zhang, Xiaolin Zhao, Boxin Zhao</i>	296
0063-82	Shift-Exchange Synchronization Protocol (SESP) in Hard Real Time System <i>Furkan Rabee, Ameer Onaizah, Abbas Fadhil Mahdi</i>	304
0064-83	Shock wave Signal Distributed Acquisition and Data Processing Technology <i>Yongli Zhang, Tailin Han, Xingye Liu, Siqi Tian</i>	311
0065-84	A Study on the Effect of Radar Seeker Performance Parameters on Control and Guide Precision <i>Jiachen Feng, Dong Wang, Tie Liu, Chuntao Cai</i>	315

0066-85	First-principles calculation for structural and optics properties of self-doped (CH₃NH₃)_{1-x}PbI₃ perovskite <i>Denghui Ji, Shuling Wang, Jun Hu, Congmin Zhang, Zhengxiong Long, Xiuling Li, Mingzhe Hu</i>	320
0067-86	FPGA-based Acceleration for Hyperspectral Image Analysis <i>Songwei Pei, Ruonan Wang, Jingdong Zhang, Yu Jin</i>	324
0068-87	An Asynchronous Design Method and Its Application on a Low-power RFID Baseband Processor <i>Qihui Zhang, Jian Cao, Xixin Cao, Xing Zhang, Shijuan Zhang, Xianfeng Li, Hai Xiao</i>	328
0069-88	Preliminary Research on Measurement System for Micro Liquid Volume <i>Jingyue Zhang, Bin Sun, Xuanda Xie, Jintao Wang, Xiang Liu</i>	332
0070-89	A Method of Training Convolutional Neural Network with Only Less Positive Samples <i>Pengfei Li, Qingxiang Wu, Heng Yang, Kai Lin, Lei Hou</i>	337
0071-90	A Mixer-First Receiver with A New Transimpedance Amplifier <i>Shichao Lou, Zhijian Lu, Hanjie Ding, Tingting Mo</i>	342
0072-91	Vessel Anti-collision Forewarning based on Mean Impact Value and Random Forest* <i>Yishan Li, Zhiqiang Guo, Jie Yang, Hui Fang</i>	346
0073-94	Novel Method for SEI Based on 3D-Hilbert Energy Spectrum and Multi-scale Segmentation Features <i>Jie Han, Tao Zhang</i>	351
0074-96	A 3 - D Liver Tumor Level Set Method Based on Narrowband Gradient Modification <i>Wenqiang Cheng, Jiaqing Qiu</i>	356
0075-98	Formal Derivation of Algorithm and Isabelle-based Automatic Verification <i>Qinghong Yang , Leilei Qi, Ying You</i>	361
0076-99	Enhancing Data Security of iOS Client by Encryption Algorithm <i>Yuli Shen, Hong Wang</i>	366
0077-101	A Generating Procedure for Local Atomic Clock Ensemble Time Scale <i>Yuzhuo Wang, Aimin Zhang</i>	371
0078-102	Event Prediction Method of Expressway in Video Monitoring-Blind Area <i>LiYa Ma, Xiao Wang, Ding Li, Miao Gao</i>	376

0079-105	A Top-N recommendation model Based on Feedback learning to rank and Online Learning <i>Jiehao Chen, Ziqian Zhao, Jiyun Shi, Chong Zhao</i>	384
0080-106	Non-contract Videosequence Heart Rate Detection by Embedded Device <i>Qiang Deng, Hong Wang</i>	390
0081-108	Research on The Evolution Law of The Semantic Web Structure of Online Shopping Reviews <i>Wang Lin ,Luo Dongying ,Shi Haizhang ,Ding Shengbao</i>	395
0082-109	Automatical Encoding of Button Products Based on Visual Recognition <i>Heng Yang, QingXiang Wu, PengFei Li, Kai Lin,Lei Hou</i>	399
0083-110	A New Approach to Lane Detection based on Pattern Recognition Technology <i>Shuliang Zhu, Tao Yu, Jiao Wang</i>	404
0084-111	Large-scale Time Series Data Down-sampling Based On Map-Reduce Programming Mode <i>Jiajia Xu ,Yichang Qiu ,Haiying Zhang ,Meng Li ,Manli Li</i>	409
0085-112	Parallax-tolerant Image Stitching Based on Mesh Optimization <i>Xin Pan,Geng Wang</i>	414
0086-113	Recognition of Intra-pulse Modulation based on Phase Difference <i>Linzhou Li ,Xiaolei Fan ,Zengping Chen</i>	421
0087-114	Research on K Anonymity Algorithm based on Association Analysis of Data Utility <i>Yuanxiunan Gao ,Tao Luo ,Jianfeng Li ,Cong Wang</i>	426
0088-115	Study on improving EMC of APFC converter with chaotic spread-spectrum technique <i>Huang Jing, Zhou Weiyong, Luo Jinhong</i>	433
0089-117	Design of X-band low phase noise and low spurious frequency source based on HMC778 <i>Chun Li ,Hongshu Lu ,Xiaofa Zhang , Naichang Yuan</i>	438
0090-118	Detection Algorithm Based on Closeness Rank and Signal Transimission <i>Lv Hui, Lei Tao, Huang Xianglin, Gao Hongxiao, Bi zengfeng</i>	443
0091-119	Face Recognition based on Multi-level Histogram Sequence Center-symmetric Local Binary Pattern and Fisherface <i>Xiaoyu Xu , Su Li,Lan Liu</i>	448

0092-120	GBMW: An Accurate Framework for Exploiting Soft Error Masking Effects in Register Files <i>Jinling Zhang, Ting Liu, Yuzhuo Fu</i>	452
0093-121	Applications of Fuzzy Multilayer Support Vector Machines in Fault Diagnosis and Forecast of Electric Power Equipment <i>Gang Peng, Songping Tang, Zhiming Lin, Yun Zhang</i>	457
0094-122	An Improved Term Weighting Scheme for Sentiment Classification <i>Pu Zhang, Yinghao Wang, Junxia Wang, Xianhua Zeng, Yong Wang</i>	462
0095-123	Application of a novel Parallel Variable Weight Decision Tree Algorithm in Transformer Fault Diagnosis <i>Zhou Zhou, Gangquan Si, Jiayi Chen, Kai Zheng, Wenmeng Yue</i>	467
0096-124	A Traceable Approach for Measuring Key Parameters of Digital Video Broadcasting Signals <i>Difei Li, Fan Wu, Zhijun Yang, Kejia Zhao, Zhaochun Wu, Zhigang Feng, He Chen</i>	472
0097-125	Research on Unified Phone Set for Mandarin-Tibetan Bilingual ASR <i>Guanyu Li, Hongzhi Yu, Shipeng Xu</i>	478
0098-128	An Active Analog Delay Using Delay Reference Loop <i>Li Wenyuan, Zhao Xiaoming, Chen Yang</i>	483
0099-129	Consistency Test based on Self-support Degree and Hypothesis Testing for Multi-sensor Data Fusion <i>Kai Zheng, Gangquan Si, Zhou Zhou, Jiayi Chen, Wenmeng Yue</i>	487
0100-130	Analysis of Tropospheric Effects on Spaceborne Single-Pass SAR Interferometry <i>Hanzhi Zheng, Anxi Yu, Qilei Zhang, Yongsheng Zhang, Zhen Dong</i>	492
0101-131	A Dielectric Loaded Bandpass Filter Based on Half-Mode Substrate Integrated Waveguide <i>Qiao-Li Zhang, Bing-Zhong Wang</i>	498
0102-132	Parallel Retrieval Technology Based on Astronomical Ontology <i>Jie Wang, Hailong Zhang, Nie Jun, Tohtonur, Xinchun Ye</i>	502
0103-133	A 0.5-3GHz True-Time-Delay Phase Shifter for Multi-Antenna Systems <i>Li Wenyuan, Wang Wan, Chen Yang</i>	506
0104-134	A Hybrid ACO Algorithm for Capacitated Vehicle Routing Problems <i>Xiaoqi Sun, Yuzhuo Fu, Ting Liu</i>	510

0105-135	Face Detection: A Deep Convolutional Network Method Based on Grouped Facial Part <i>Xianbo Yu, Yuzhuo Fu, Ting Liu</i>	515
0106-136	High-recall Human Abnormal Behavior Detection Using MPEG-7 Descriptor <i>Yanqing Huang, Yuzhuo Fu, Ting Liu</i>	520
0107-137	A Convolutional Neural Network based on TensorFlow for Face Recognition <i>Liping Yuan , Zhiyi Qu , Yufeng Zhao , Hongshuai Zhang , Qing Nian</i>	525
0108-138	Fast Speech Keyword Recognition Based on Improved Filler Model <i>Yang Wang, Jie Yang, Le Zhang</i>	530
0109-139	Recent Developments in Chipless Ultra-Wide-Band (UWB) Radio Frequency Identification (RFID) Systems <i>Yazeed A. Alshoudokhi, Muhammad A. Ashraf, Mohammed R. AlShareef</i>	535
0110-140	Research on Improvement of Filtering Process in Filtered Backprojection Reconstruction Algorithm <i>Jianming Luo , Jie Yang, Yang Wang</i>	539
0111-141	A Face Recognition Method Based on LBP Feature for CNN <i>Hongshuai Zhang, Zhiyi Qu, Liping Yuan, GangLi</i>	544
0112-142	Elderly Care Recommendation System for Informal Caregivers Using Case-Based Reasoning <i>Sukontip Wongpun, Sumanta Guha</i>	548
0113-143	Global Fast Terminal Sliding Mode Control of Space Manipulator for Capturing a Tumbling Satellite <i>Xinglong Wang, Zhicheng Zhou, Guanji Qu</i>	553
0114-144	Design of Variable Delay Elements for Ultra- Wideband Beam-forming* <i>Li Wenyuan, Wang Yanqing, Chen Yang</i>	559
0115-145	DOA Estimation for Long-distance Underwater Acoustic Sources based on Signal Self-nulling <i>Yong Chen, Fang Wang, Jianwei Wan, Ke Xu</i>	563
0116-146	Application of Synchronous Acquisition Control Technology in Tip Clearance Measurement System <i>Chao Wang, Jiaojiao Teng , Min Xie, Lu Yin, Tianyu Zhang</i>	568
0117-147	Grid Impedance Estimation Based on Particle Swarm Optimization <i>Kewen Lin , Fei Xiao , Guisheng Jie</i>	573
0118-148	New Steganalysis Methods Based on Camera Source Identification and Outlier Detection <i>Yunda Wu, Tao Zhang</i>	577

0119-149	Design of Wideband Microstrip Antenna with Multi Ring Slot Resonators on the Ground Plane <i>Chao Deng</i>	581
0120-151	Consensus control of fractional version second-order systems <i>Xueliang Liu, Chang Liu, Zhi Zhang, Huazhu Liu, Ming Jiang, Yang Zhao, Shanjin Wang</i>	586
0121-152	A Robust Fiducial Mark Extraction Method in X-ray Image based on HOG Operator <i>Yan Jiang, Hong Wang, Huan Liu</i>	591
0122-154	Thermal Design of Microwave Power Amplifiers Based on GaAs HBTs <i>Ting Tian, Huai Gao, G. P. Li, Shengli Lu</i>	596
0123-155	The Research and Application of Grounding Fault Locating Method Based on EMD and Waveform Similarity in Non-Solidly Earthed Network <i>Leng Hua, Zhu Jiran, Tang Haiguo, Zhang Zhidan, Gong Hanyang, Zhong Huabing</i>	600
0124-157	Sliding Window-based Network Coding with Cooperative Communication in Wireless Networks <i>Wanyi Feng, Hongwei Luo, Baolin Sun, Chao Gui</i>	605
0125-158	Volunteer Service Time Record System Based on Blockchain Technology <i>Ning Zhou, Menghan Wu, Jianxin Zhou</i>	610
0126-160	The Coal Gas Power Generation and the Influence of Grid-connected Operation <i>Xiaobo Liu, Taiping Guo, Zhi Hu, Hongmei Zhu</i>	614
0127-161	The Simulation Research on Electric Arc Furnace Combined Model based on MATLAB <i>Xiaobo Liu, Taiping Guo, Zhi Hu, Hongmei Zhu</i>	619
0128-162	The Influence of Context on Tibetan Lhasa Speech Synthesis <i>Shipeng Xu, Hongzhi Yu, Guanyu Li</i>	625
0129-163	A Behavior Centric Service Discovery Model for Building Knowledge Advantage Machine <i>Ming Qu, Yuchun Chang, Yenumula V. Reddy, Sumitra Reddy</i>	630
0130-164	The Electric Vehicle Routing Problem with Time Windows Using Genetic Algorithm <i>Guo Zhenfeng, Li Yang, Jiang Xiaodan, Gao Sheng</i>	635

0131-165	Improvement and Implementation of Quine- McCluskey Algorithm for Synthesis of Reversible Logic Circuits <i>Shuguang Zhao, Chaozheng Wang, Junling Sun</i>	640
0132-166	Research on Architecture Design of Wind Power Prediction System <i>FAN Qiang, WEN Xiankui, LIN Chenghui</i>	643
0133-168	Realtime Personalized PageRank Query for Social Network Search <i>Jiang Wu</i>	647
0134-171	An Artificial Neural Network Model with Yager Composition Theory for Transformer State Assessment <i>Zhiming Lin, Songping Tang, Gang Peng, Yun Zhang, Zhenxin Zhong</i>	652
0135-173	Compact Four-Port MIMO Antenna System at 3.5 GHz <i>Mujeeb Abdullah, Yong-Ling Ban, Kai Kang, Ming-Yang Li, Muhammad Amin</i>	656
0136-174	An improved multi-objective grey wolf optimization algorithm for fuzzy blocking flow shop scheduling problem <i>Zhi Yang, Cungen Liu, Weixin Qian</i>	661
0137-175	Straight-Line Constrained Optical Flow Monocular Visual Odometry <i>Yingkui Du, Cheng Liu, Yan Chen, Dan Tian, Xiaowei Han, Zhonghu Yuan</i>	668
0138-176	Research on Space-Time Evolution Model of Xiangshan Culture Knowledge Graph Based on Named Graph <i>Weiyu Chen, Jiawen Huang, Shengheng Luo, Haochi Wu, Qiumin Liu, Manni Li, Ye Wolin, Ying Jiang</i>	673
0139-178	Modeling and Simulation on the Compatibility of Shipto- Air Missile and Chaff Centroid Jamming in Cooperative Air-Defense <i>Qin Jiandong, Wu Xiaofeng</i>	679
0140-179	Reading Behaviour Based User Interests Model and Its Application in Recommender System <i>Hanyu Li, Yao Shen, Chong Wang, Huan Yang, Riaz Ali</i>	683
0141-180	A New Spoof Surface Plasma Polaritons Band-pass Filter with Interdigital Structure <i>Zhiwei Zeng, Jiangli Long, Mingzhe Hu, Denghui Ji, Yue Yin, Tao Zhang</i>	691
0142-182	Analysis of Organizations IPv6 Deployment Strategies in Nigeria and Evaluating Suitable Transition Mechanisms <i>Mohammed F. Suleiman, Julien Cordry</i>	695
0143-184	An Efficient TO-MHT Algorithm for Multi-Target Tracking in Cluttered Environment <i>ShengSen Pan, Qinglong Bao, Zengping Chen</i>	705

0144-185	Study on Engine' s Rub - impact Failure Detection Model Based on Flight Data <i>WANGQiang , LIXinYi , SHIHong</i>	709
0145-186	Design of an Indoor Intelligent Agent with Outdoor Combi-ForkLift Robot as Effector <i>Abdul Waheed, Basit Aslam , Muhammad Awais</i>	714
0146-187	Forwarding degree-based AS Relationship Recognition Algorithm <i>Jingwei Liu , Bin Yang , Jinju Liu , Yuliang Lu , Kailong Zhu</i>	718
0147-188	Exemplar-based Image Inpainting via Fast Global Optimal Searching <i>Bing Yu, Youdong Ding</i>	723
0148-189	Optimal Subcarrier and Relay Assignment in Cooperative OFDMA Systems <i>Zhanke Yu, Yanhua Zhang</i>	727
0149-190	Sparse representation classification for battlefield textual information <i>Wang Kai, Liu Jingzhi, Xu Shun, Wang kai, Gan Zhichun</i>	731
0150-191	Design of Rotation Control System Based on Four-gimbal Platform <i>Rong Guo , Jingjuan Zhang , Qian Zhang , Lingcao Wang</i>	735
0151-192	Hybrid Recommendation for Sparse Rating Matrix: A Heterogeneous Information Network Approach <i>Haiyang Zhang, Ivan Ganchev, Nikola S. Nikolov, Zhanlin Ji, Máirtín O' Droma</i>	740
0152-193	Potential Mw8.1-or-above Japan earthquake before 2020 numerically predicted via ASF method <i>Yunong Zhang , Fangzheng Lai , Jiadi Wang , Yingbiao Ling, Chengxu Ye</i>	745
0153-194	City Security Level Mining Based on Massive Criminal Data <i>Sihan Zhu , Jingyuan Wang, Haoji Wang , Yao Wang</i>	751
0154-198	Modeling and Design of Square Magnetic Fluid Deformable Mirrors <i>Zhu Zhang, Zhizheng Wu, Xinxiang Jiang, Xianghui Kong</i>	756
0155-199	Numerical extrapolation of important date sequence by addition-subtraction frequency (ASF) algorithm <i>Yunong Zhang, Shuo Yang, Jiadi Wang, Chengxu Ye, Yingbiao Ling</i>	761
0156-200	Research on the seismic signal denoising with the LMD and EMD method <i>Jianming Yu , Ze Zhang</i>	767

0157-201	Obstacle Avoidance Strategy of AGV Formation based on Time Efficiency First <i>Huichao Wu, Yuan Luo, Qianneng Zhou, Junjie Li</i>	772
0158-203	Consideration of Semantic Spatial Trajectories in Access Control for Social Network <i>Xingang Wang, Kuo Guo, Zhigang Gai, Na Guo</i>	778
0159-204	A Novel EC Probe with Independent Excitation and Pick-up Coils <i>Hongguang Xu , Yin Zhao</i>	783
0160-207	Resource Allocation for Target Tracking in Distributed MIMO Radar <i>Yang Sun, Nae Zheng, Yuxiang Li, Xiukun Ren, Zhihao Zhao</i>	788
0161-208	An Intelligent Monitoring System for Hydraulic Pipes Based on Multiple Sensors <i>Ming Lu , Qingsong Ai , Qin Wei , Xiaowei Li , Xiaomei Zhang</i>	793
0162-209	A Satellite On-board OFDM Switch System based on Network Coding <i>Chunfeng Wang , Xiaosong Yu</i>	799
0163-210	Research on Domain Ontology of Equipment Technical Manual <i>Long Wang , Yanling Qian , Yanbin Liu , Tengfei Xu , Qingzhi Meng</i>	804
0164-211	Heterogeneous area extraction based on background suppression and adaptive clustering <i>Bendong Zhao, Shanzhu Xiao, Huanzhang Lu, Junliang Liu</i>	809
0165-212	Research on the Blind Equalization technology Based on the Complex BP Neural Network with Tunable Activation Functions <i>Juan ZHAO, Zheng-Ming GAO</i>	813
0166-213	Joint Angle, Range and Velocity Estimation for bi-static FDA-MIMO Radar <i>Zhihao Zhao , Zhimin Wang , Yang Sun</i>	818
0167-214	A multitarget tracking before detecting algorithm with MIMO radar <i>Wenli Qin , Feng Zhao , Yuxiang Li , Shuainan Gu</i>	825
0168-215	Modeling complex social contagions in big data era <i>Xuyang Ding, Zhangjian Wu, Wantao Chen, Ying Liu, Ying Xie, Shiming Cai</i>	830
0169-216	A research on identification method for WiFi-based home automation device suites <i>Kefei Cheng , Xiaoxia Liu , Rui Zhang , Feng Lin</i>	835

0170-217	The UAV Verification Experiment of On-orbit Dynamic Scene Matching <i>Qilei Cao, Ming Zhao, Mingbo Zhang, Lili Dong, Wenhai Xu</i>	841
0171-218	Microstrip Anti-phase Gysel Power Divider with Unequal Power Division <i>Hongchang Xiao, Yuan Quan, Shiyong Chen</i>	846
0172-220	Optimization Analysis of Distribution of RFID Multi-tag based on GA-BP Neural Network <i>Yujun Zhou, Xiaolei Yu, Donghua Wang, Zhimin Zhao, Xiao Zhuang, Yinshan Yu</i>	850
0173-222	A Flexibility Method of QQ Forensic in Android System <i>Qiang Li, Dan Du, Zeming Yang, Baoxu Liu, Jian Yan</i>	855
0174-226	A Novel Cardiac Arrhythmia Detection Method Relying on Improved DTW Method <i>Wenjiang Zhang, Jingjing Wang, Xin Zhang, Kai Zhang, Yong Ren</i>	862
0175-228	A multi-resolution medical image registration method based on intensity and point features <i>Wei Shen, Chaobing Huang, Wu Zhou</i>	868
0176-229	Research on management system and technical standard system of wind power prediction <i>Fan Qiang, Wen Xiankui, Lin Chenghui, Xiao Yong, Zhang Yan</i>	873
0177-230	Research on a kind of piezoelectric flexible amplification mechanism based on lever principle <i>Xikang Cheng, Guiling Deng, Can Zhou, Zhixiang Yang, Qian Shen</i>	880
0178-231	Numerical Investigation on Performance and Aerodynamic Noise of High Speed Axial Flow Fans <i>Zhuohuan Hu, Wei Lu</i>	885
0179-232	Research and Implementation of Viterbi Decoding in TD-LTE System <i>Li Li-fu, Li Hai-wen, Li Hong-liang, Gu Yong-jun</i>	890
0180-233	Research on Software Defect Localization Technology <i>Lin Wan, Tengxiang Yang, Haining Liu</i>	895
0181-234	Research of ROHC for PoC Service Based on 3G Cellular Network <i>Li Li-fu, Li Hai-wen, Li Hong-liang, Gu Yong-jun</i>	900
0182-235	Classification of Motor Imagery EEG Signals Based on Wavelet Transform and Sample Entropy <i>Manzhen Ma, Libin Guo, Kuifeng Su, Deqian Liang</i>	905
0183-236	Simple Approach to Reduce the Number of Selected Intra Luminance Prediction Modes for RDO Computation in AVS2 <i>Yaguang Lu, Hongyu Zhao</i>	911

0184-237	A Novel MUSIC ISAR Method Using the First Principal Component <i>Yu Hanchen, Zhang Yan , Qian Weiping</i>	916
0185-238	Robust Wideband Beamforming Based on Response Variation Constraint <i>Liwen Zhang , Ke Xu , Jianwei Wan , Yong Chen , Gang Li</i>	920
0186-239	Multi-dimensional Taylor Network Optimal Control of Aircraft Flight <i>Chun-Peng Hu, Hong-Sen Yan , Yu Zhou</i>	925
0187-240	Relation Extraction via Deep-Fusion Convolution Neural Network <i>Xiong Zhang, Fucai Chen, Ruiyang Huang</i>	930
0188-241	Research on Video Motion Characteristics Extraction and Description Based on Human Visual Characteristics <i>Ying Zhou, Yongsheng Liang , Wei Liu , Lixia Zhao</i>	936
0189-242	Kinematic Analysis of A Novel 5-DOF Parallel Mechanism <i>Jie Huang, Xuelei Wang, Dongjie Zhao, Honghong Guo, Yunlong San, Shulin Hou</i>	941
0190-244	Research and Design of a Guide Robot System <i>Longwei Li, Haiyan Hu, Cheng Xu, Renhui Zhang, Chunguang Li</i>	946
0191-245	A Novel Microstrip Absorptive Bandstop Filter <i>Zheng Chen, Kun Li, Dexin Qu, Xingjian Zhong, Lubing Sun, Wentao Ma</i>	951
0192-246	Simultaneous Sensing, Transmission and Energy Harvesting: Full-duplex in RF-powered Cognitive Radio Networks <i>Menglan Fan, Hang Zhang, Hang Hu, Qian Wang, Jiong Li</i>	955
0193-247	Multi-dimensional Taylor Network Optimal Control for Tank Firing in High Speed Motion <i>Dong-Xiao Li, Hong-Sen Yan, Tao Jin</i>	961
0194-248	Multi-dimensional Taylor Network Optimal Control for Ship Roll Stabilization <i>Peng Zhang, Hong-Sen Yan, Yang Yang</i>	966
0195-249	Waveform Design based on J-divergence for MIMO Radar Detection <i>Yuxiang Li, Haiwen Li, Yang Sun, Nae Zheng</i>	971
0196-250	A Signal De-noising Method for Gas Switch Discharge Based on EMD and Energy Ratio <i>Long Che , Yi Di , Xiaohui Gu , Yalei Liu</i>	976

0197-251	A Multi-resolution LOD Approach Based on the Viewpoint <i>Wang Yu, Xu Hua</i>	983
0198-252	Semi-supervised Discriminant Analysis method Via Weighted Low-rank Representation and Adaptive Neighbor Selection <i>Xue Zhou, Zhengqun Wang, Zhibo Guo, Chen Yan, Dongling Zhai</i>	987
0199-254	Research on Expert Weighting Method based on D-S Evidence Theory <i>Yanling Li , Yehang Zhu , Jianwei Wu</i>	992
0200-256	Infrared Signatures Modeling of Rocket Debris Based on the Remote Detection <i>Junliang Liu, Shangfeng Chen, Huanzhang Lu, Bendong Zhao</i>	997
0201-257	Nutation Characteristics Analysis and Infrared Signature Simulation of Ballistic Targets <i>Junliang Liu, Shangfeng Chen, Huanzhang Lu, Bendong Zhao</i>	1001
0202-259	Particle Filter Based on Context Tracking Algorithm for Real-world Hazy Scenes <i>Ziyang Wang, Jian Luo, Gun Li</i>	1006
0203-260	Optimal control of Molecular Distillation Based on Dual Heuristic Dynamic Programming <i>Hui Li , Yongsui Wen , Wenjie Sun , Qiangqiang Yu</i>	1011
0204-261	Classification of Volcanic Ash Cloud Based on Sensitivity Analysis and FCM <i>Lan Liu, Chengfan Li, Yongmei Lei, Junjuan Zhao, Jingyuan Yin, Yuan Yuan</i>	1017
0205-264	A passive fingerprint feature for the recognition of Cisco routers <i>Jie Liang, Jiesi Han, Gang Xiong</i>	1021
0206-265	Design and Validation of A Single Frequency GPS Software Receiver Acquisition and Tracking Method <i>Haodong Jiang , Jingyuan Li , Xiangwei Zhu , Gang Ou</i>	1026
0207-268	Feature Extraction and Image Recognition for the Electrical Symbols Based on Zernike Moment <i>Yongfei Yin , Zhaoyong Meng , Shaoqian Li</i>	1031
0208-269	An Algorithm for Enduing and Identifying the Information of Topological Entities in 3D Graphics <i>Qiujiào Wang</i>	1036
0209-270	Study of Secure Optical Communication based on Quantum Entanglement <i>Shijie He, Xiaokang Guo, Yanmei Zhang</i>	1042

0210-271	The Research of Interconnection Network on Coarse-Grained Reconfigurable Cipher Logic Array <i>Yuanming Li ,Yinjian Yan ,Wei Li ,Min Liu</i>	1046
0211-274	Azimuth Angle Estimation based on Joint Processing of Acoustic Pressure and Analytic Velocity <i>Lang Ge ,Ke Xu ,Jianwei Wan ,Yong Chen ,Gang Li</i>	1052
0212-275	Micro-Motion False Target Generation in Deception Jammer Against Pulse Doppler Radar <i>Donglin Xue ,Xuemei Liu ,Rui Shen ,Zhen Liu ,Xizhang Wei</i>	1057
0213-277	Capsule segmentation algorithm based on Wavelet Analysis and Constrained Gradient Search* <i>Shuang Dong ,Yu Wang ,Hao Zhang</i>	1061
0214-278	Research on Improvement of Apriori Algorithm Based on Marked Transaction Compression <i>Meng Xiao, Yong Yin, Yunyao Zhou, Shengzhi Pan</i>	1067
0215-279	A Novel Anti/De-icing System Combining Heat Expansion Film and Electric Heating for Helicopter Rotor <i>Long Chen, Yidu Zhang, Qiong Wu, Zhengsheng Chen, Youyun Peng</i>	1072
0216-283	Impact of Radio over Fiber Technology for Integrated 5G Front and Back-Haul Applications <i>Fabrice MFUAMBA KABONZO, Muhammad UMAR DILSHAD</i>	1077
0217-285	A Data Mining Approach for Intelligent Equipment Fault Diagnosis <i>Yanxing Di, WeiSong, Lizhen Liu ,HanshiWang</i>	1082
0218-286	EHOLSR: An Enhanced Hierarchical OLSR Protocol for Heterogeneous Mobile Ad-Hoc Networks <i>Zhang Mao, Hai Wang, Chao Dong</i>	1087
0219-287	Estimation Algorithm of Interference Frequency Offset in PCMA System <i>Boxiang Song ,Jiping Li ,Peng Cheng</i>	1094
0220-291	Motion Characteristics Estimation of Animals in Video Surveillance <i>Wenhuan Huang , Qili Zeng ,Ming Chen</i>	1098
0221-293	An Improved Method for Carrier Frequency Offset Estimation Based on FFT <i>Peng Cheng, Aijun Liu, Xiaohu Liang</i>	1103
0222-294	A Method for Measuring Similarity of Software Defect Data <i>Lin Wan, Tengxiang Yang, Haining Liu</i>	1108
0223-295	Uncertainty-based improved multidisciplinary design optimization methods <i>Yanru He, Baowei Song, Daiyu Zhang</i>	1113

0224-296	Application of Error Compensation Technology for Positioning Precision of Hydrostatic Rotary Table based on UMAC <i>Sen Ye, Weiqiang Gao , Jianqun Liu, Jiatian Yuan</i>	1118
0225-297	An Improved Fuzzy Track Association Algorithm Based on Weight Function <i>Haochen Zhao, Zhichao Sha, Jing Wu</i>	1125
0226-298	Codes Design Based on EXIT Chart for Polar Coded BICM-ID <i>Fengyi Cheng , Aijun Liu , Qingshuang Zhang , Yingxian Zhang , Biao Cai</i>	1129
0227-299	Stacking robot interpolation algorithm research and application for irregular cigarette packs <i>Zhang Yi, Nianjun Liu, Cai Jun</i>	1134
0228-300	Multi-target Flight Scene Simulation Based on STK/X <i>Rui Zhang, ShiYou Xu, ZengPing Chen</i>	1139
0229-301	Speech Signals Identification base on Improved DBN <i>CAI Jun , YAO Qin, ZHANG Yi</i>	1144
0230-302	DC Power Flow control in DC Networks through DC/DC Zero Sequence Blocking Transformer <i>Muhammad Qasim Khan, Muhammad Mansoor Khan, Jiang Huawei, Zhao Yi</i>	1149
0231-303	Detection of Costas-encoding Frequency-Hopping Signal based on Suppressing Power Spectrum and Pulse Detection <i>Hong Hu , Xiaolei Fan , Linzhou Li, Zengping Chen</i>	1154
0232-304	Automatic Optimization Algorithm of County Power Network Based on Load Balancing and Feasible Set <i>Yixiao Geng, Jiuzhou Bian, Huawei Jin</i>	1159
0233-305	Feature Extraction algorithm fusing GFCC and phase information <i>Yi Zhang, Lei Ni</i>	1163
0234-307	Further Design of FHS Set with Optimal Maximum Hamming Correlation Properties <i>Chun Xie, Wei Zhang, Chy Wang</i>	1168
0235-308	A New Method for Polyphase Pulse Compression Codes Modulation Recognition Based on IQPF and FRFT <i>Xiaolei Fan , Linzhou Li , Tao Li , Zengping Chen</i>	1172
0236-310	Principle and Application of Mirror Function in CNC System Based on PMAC <i>Cong Liu , Jianqun Liu , Weiqiang Gao</i>	1177

0237-311	FuzWare: A Fuzzy-based Middleware for Context-aware Service <i>Chuang Zhang</i>	1181
0238-312	Adaptive rate algorithm for DASH streaming media based on probabilistic prediction <i>Li Yong, Wang Bin</i>	1186
0239-315	Analysis of Nodal Features of Navigation Constellation Based on Complex Network <i>Wu Chen, Xiong Dingxi, Fan Shiwei</i>	1190
0240-316	Digital Audio Blind Watermarking Algorithm Based on Audio Characteristic and Scrambling Encryption <i>WU Weina</i>	1195
0241-317	Study on Chaotic Soft Switching Forward Converter <i>Zhou Weiyong, Wang Huannan, Luo Jinhong</i>	1200
0242-318	Design of formed cutter for milling of the screw rotor with the tooth profile represented by discrete points <i>Li Yuehua, Zhou Jingbo, Yang Xue, Liu Lijian</i>	1205
0243-319	Monitoring based on MIC-PCA and SVDD for Industrial Process <i>Zhongwei Wang, Shuai Li, Hong Song, Xiaofeng Zhou</i>	1210
0244-321	DC Splitting for Transmitter Power Limit Low Pass Channel Information and power Transfer <i>Xiang Liao, He Zhang, Haojie Li, Changsheng Li</i>	1215
0245-322	Extension of Lifetime with Network Coding in Cluster Based Wireless Sensor Networks <i>Youying Hong, Xinhua Liu</i>	1219
0246-323	A Novel DOA Estimation Algorithm for a 5-element Circular Array <i>Kaibo Cui, Xi Chen, Jingjian Huang, Naichang Yuan</i>	1224
0247-325	Research on Technologies of Self - routing for Multipath in Distributed Test System <i>Zonglei Mou, Ping Song, Xiaoxiao Chen</i>	1229
0248-326	Energy Efficiency Optimization For Multi-relay Cooperative Network Based On Node Fairness <i>Liang Chen, Juan Wang</i>	1234
0249-328	Kalman Filter-based Multi-Object Tracking Algorithm by Collaborative Multi-Feature <i>Kejun Lin, Zhibo Guo, Feifei Yang, Jian Huang, Ying Zhang</i>	1239
0250-329	Mean-Shift Algorithm Fusing Multi Feature <i>Xian Zhong, Kun Tu, Hongxia Xia</i>	1245

0251-330	Nondestructive Detection for forecasting the level of acidity and sweetness of apple based on NIR spectroscopy <i>Yulin Shen, Yuan Wu, Lingling Li, Lian Li</i>	1250
0252-331	An FPGA fast combination placement optimization algorithm research <i>Kang Wang, Ning Xu, Kai Hu</i>	1258
0253-332	Optimal Power Allocation of MIMO Relay System under the Background of 5G <i>Juan Wang, Xinhua Liu, Fangmin Li</i>	1263
0254-333	MapReduce based Named Entity Recognition for Biology Literature <i>Fang Liu, Xingjian Xu, Zhaohua Ji</i>	1268
0255-336	Security Beamforming Algorithms in Multibeam Satellite Systems <i>Weixin Lu, Yangwei Jiang, Chunyan Yin, Xiangshuai Tao, Ping Lai</i>	1272
0256-338	STAODV: A Secure and Trust based Approach to Mitigate Blackhole Attack on AODV based MANET <i>Mohammed Baqer M. Kamel, Ibrahim Alameri, Ameer N. Onaizah</i>	1278
0257-339	A Designed of Miniaturized Vivaldi Antenna for Antenna array applications <i>DenghuiHuang, HuYang, Xiang Liu, Yuqing Wu, Junru Gong</i>	1283
0258-340	Dynamic Channel Utilization Method for Software Defined WMN with Awareness of Radio Interference and Wireless Link Rate <i>Zeyu Luan, Zhipeng Zhao, Bin Wu</i>	1287
0259-341	A Combined Model for Short-term Load Forecasting Based on Neural Network and Grey Wolf Optimization <i>Yiwen Liang</i>	1291
0260-342	Study on Automatic Alignment Algorithm in Rail Grinding of Rail head Profile <i>Bo Yu, Yong Yin</i>	1297
0261-346	Adaptive ViBe background model for vehicle detection <i>Chengyi Pan, Zhou Zhu, Liangwei Jiang, Min Wang, Xiaobo Lu</i>	1301
0262-347	An Adaptive Handover Scheme based on Cooperative Transmission from High Altitude Platform Stations <i>Panfeng He, Naiping Cheng, Shuyan Ni, Chunyue Li</i>	1306
0263-348	3D Maximum Likelihood Estimation Positioning Algorithm Based on RSSI Ranging <i>Rui Qiang, Wei Wang, Haiying Wang, Peilun He, Wenyong Huang</i>	1311

0264-349	A Bias Removal Blind Modulation Classification Algorithm for MIMO Channel <i>Junnan Xu, Yuehong Shen, Qiao Su, Changliang Deng, Guangna Zhang, Xuanyou Jiang</i>	1315
0265-350	Unsupervised Query-by-example spoken term detection based on DPHMM tokenizer <i>Cao Jiankai, Zhang Lianhai</i>	1321
0266-351	Research on Multi-target Bearings-only Tracking Method Based on Passive Sonar Systems <i>Zhengda Xiong, Ke Xu, Yong Chen, Gang Li, Jianwei Wan</i>	1326
0267-354	New Media Identity Authentication and Traffic Optimization in 5G network <i>Yanling Zhao , Xinchang Zhang</i>	1331
0268-357	Spectrum Sensing in Non-Time-Slotted Full-Duplex Cognitive Radio Networks <i>Lu Yang, Fangmin Li</i>	1335
0269-359	High-speed Inspection System for Surface Defect on Cartridge Case <i>Jing Zhang, Ya Zhong, Xiaohui Du, Guangming Ni, Juanxiu Liu, Lin Liu, Yong Liu</i>	1340
0270-362	Multi-Relay Wireless Cooperative MAC Protocol Based on Converged Network Coding <i>Shuangyin Hu, Fangmin Li, Xinhua Liu</i>	1345
0271-363	Routing Algorithm Based on SPSO <i>Jing Liang, Mingyuan Yu, Caitong Yue, Mengmeng Li, Zongxiao</i>	1350
0272-364	Indoor Positioning System Based on the Improved W-KNN Algorithm <i>Zihan Liu, Xinlong Luo, Tianyun He</i>	1355
0273-365	Design and Implementation of a Following Robot System Based on Monocular Vision <i>Zongyu Wang , Lin Zheng , Huiying Ye</i>	1360
0274-366	A Probabilistic Indoor Localization Algorithm Based on Restricted Boltzmann Machine <i>Tian-yun He, Xin-long Luo, Zi-han Liu</i>	1364
0275-367	Track Irregularities Estimation Based on the Vibration of Car-body <i>Yuanxing Zhang, Xinya Sun , Xiaobin Xu, Wei Dong , Yindong Ji</i>	1369
0276-369	3D Localization of Passive UHF RFID Transponders using Direction of Arrival and Distance Estimation Techniques <i>Alois Ascher, Johannes Lechner, Stefan Nosovic, Philipp Eschlwech, Erwin Biebl</i>	1373

0277-371	Design and Experiment of the Lower Extremity Exoskeleton <i>Jiteng Yang</i>	1380
0278-372	Resource Allocation for Content Downloading in Socially-Enabled D2D Communications Underlying Cellular Networks <i>Lianxin Yang, Yueming Cai</i>	1384
0279-373	Research on Energy Optimization of Wireless Sensor Networks Based on MQAM Modulation <i>Chunxiao Wang , Shi Chen , Chen Ding</i>	1389
0280-374	Design and FPGA Implementation of Ten Gigabit Ethernet MAC Controller <i>Qingming Yi, Min Shi, Guisen Zhong</i>	1395
0281-375	Design of USB-UART Interface Converter and Its FPGA Implementation <i>Qingming Yi, Min Shi, Senyuan Li</i>	1399
0282-376	Robust Device-free Fall Detection Using Fine-grained Wi-Fi Signatures <i>Wenchang Cao, Xinhua Liu, Fangmin Li</i>	1404
0283-377	A hybrid integration method of frequency agile radar for uniform moving target <i>Ruiqi Tian , Caiyong Lin, Qinglong Bao, Zengping Chen</i>	1409
0284-378	Analysis of Trapped Conductive Microspheres in LCD FOG Anisotropic Conductive Film Bonding <i>Ni Guangming, Liu Lin, Zhang Jing, Liu Juanxiu, Liu Yong</i>	1414
0285-379	A Crosstalk Optimization Method for Dual-band DDS Frequency Source <i>Tianyu Zhang, Yong Wang, Shuang Zhao, Min Xie, Xiongjun Fu</i>	1421
0286-380	An improved RGB-D SLAM algorithm <i>Wenchi Sun , Shunyan Wang , Jiancai Wu , Xin Du</i>	1425
0287-381	Effects of Nonlinear Distortion on Delay- Multiplexing of Satellite Navigation Signals <i>Dingxi Xiong, Sihui Liu, Chengeng Su</i>	1429
0288-382	Street View Image Classification based on Convolutional Neural Network <i>Qian Wang, Cailan Zhou, Ning Xu</i>	1439
0289-384	Research on Aero-engine Bearing Fault Using Acoustic Emission Technique Based on Wavelet Packet Decomposition and Support Vector Machine <i>Haibin Li, Zhenhuan Wu, Kaixuan Xue, Guoan Yang</i>	1444

0290-386	Denoising and Features Extraction of Distorted Waveform based on Mean-dilation Operator and Mean-erosion Operator <i>Jinbao Zhuo, Weifeng Shi, Hengxian Wu, Jie Lu</i>	1449
0291-388	A Design of an optoelectronic isolation device to protect the measurement system of the underwater discharge acoustic source <i>Hui Yang, Yibo Wang</i>	1454
0292-390	Iterative Learning Control with Multiple Points and Final Point Tracking <i>Haris Anwaar, Yin Yi Xin, Salman Ijaz</i>	1458
0293-391	A Wideband Reconnaissance Receiver Design based on Real-time Spectrum Analysis Technology <i>Tao Li, Zengping Chen</i>	1463
0294-392	The Optimal Method of Sensing Matrix Based on Matrix Decomposition <i>Yuting Li, Jiyiing Liu, Jubo Zhu</i>	1468
0295-393	RAPD:Robust and Adaptive Passive Human Detection using PHY Layer Information <i>Huafeng Mei , Xinhua Liu ,Caiyun Xia ,Hao Ren</i>	1472
0296-395	Implementation of Turbo Code Based on CCSDS <i>Zekun Yang , Dongli Jin</i>	1477
0297-396	MOOC-FRS:A New Fusion Recommender System for MOOCs <i>Yunchou Li, Hongkun Li</i>	1481
0298-397	Pathological automatic classification of hepatocellular carcinoma based on adaptive weighted multi-classifier fusion <i>Kaixin Wang ,Chaobing Huang ,Wu Zhou</i>	1489
0299-399	Compact Dual-band Microstrip Bandpass Filter Using Stub-Loaded Stepped-Impedance Resonator <i>Hongshu Lu, Jingjian Huang, Xiaofa Zhang, Naichang Yuan</i>	1494
0300-400	Research on Identification Method of Aero-engine Bearing Fault using Acoustic Emission Technique Based on Wavelet Packet and Rough Set <i>Kaixuan Xue, Zhenhuan Wu, Haibin Li, Guoan Yang</i>	1499
0301-401	Research on Anti-Swing Characteristic of Redundancy Cable-driven Parallel Robot <i>LV Wei, TAO Limin, JI Zhengnan</i>	1504
0302-402	Study of the Robust Fractional Order PID Controller for PMSM Motion Control System Based on Differential Evolution Algorithm <i>Weijia Zheng, Youguo Pi</i>	1509

0303-403	A Fast Approaching Control Method for Nano- Positioning Systems with Switched PID Controller <i>Xinxiang Jiang, Ning Cao, Zhizheng Wu, Zhu Zhang, Mei Liu, Shaorong Xie</i>	1514
0304-404	An Improved Ant Colony Algorithm for the Dual Time Windows Constraining Job Shop Scheduling Problem <i>Jungang Yan, Zhongshan Zhang, Lining Xing, YingWu Chen</i>	1519
0305-405	Statistical Characteristics of Coupling Effects for Interconnected Cavities based on Random Topology Model* <i>Liu Luyao, Ma Hongge, Wang Ming</i>	1526
0306-408	An ARQ-aided Polar Coding Scheme for Security Transmission of the Wiretap Channel <i>Hao Liang, Aijun Liu, Yingxian Zhang, Qingshuang Zhang</i>	1530
0307-410	An Expert PID Control Algorithm Based on Anti-integration Saturation <i>Jinqiang Xu</i>	1536
0308-411	Research on Multi - base Depth Neural Network Speech Recognition <i>Cai Jun, Li Fei, Zhang Yi, LiuYu</i>	1540
0309-413	A Vehicle Detection Method in Tunnel Video Based on ViBe Algorithm <i>Zhu Qiming, Ma ChengQian</i>	1545
0310-416	Multi-target Indoor Tracking and Recognition System with Infrared Markers for Virtual Reality <i>Wenhui Xu, Bo Wang, Yongshi Jiang</i>	1549
0311-231253	The fuzzy comprehensive evaluation research of electric group purchase and operating efficiency based on improve rough set <i>Wenyu Zhang, Zhen He, Chang Liu</i>	1554
0312-231318	A Novel Sensorless for Switched Reluctance Motor Based on Sliding Mode Observer <i>Pang Li, Lei Zhang, Yue Yu</i>	1560
0313-231387	Evaluation Model of Refrigerator Cooling Performance <i>Dong Wang, Lun Zhang, Shengjian Zhang</i>	1565
0314-231525	Study on On-axis Tracking Algorithm of Modified Current Statistical Model <i>Zhenkai Xiong , Fanying Li</i>	1570
0315-231526	Coexistence Interference Analysis of 28 GHz IMT and Fixed-Satellite Service Systems <i>Tan Wang, Zhaojun Qian, Long Kang , Suiyan Geng, Xiongwen Zhao</i>	1574

0316-231547	Research on single-phase-to-earth fault section location in coal mine high-voltage power supply system <i>Wang yanwen, Zhang Li</i>	1579
0317-231569	Multi-UAV Coordinate Communication Path Planning Based on Grid Map and Ant-Algorithm <i>Zexi Li</i>	1584
0318-240015	The Development of Pneumatic Stiffness-Adjustable Foot for Bipedal Robot <i>Xizhe Zang, Wenyuan Li, Yixiang Liu, Zhenkun Lin, Jie Zhao</i>	1588
0319-240046	The Study of Wind Resistance Testing Equipment for Unmanned Helicopter <i>Zhigang Ren, Hongmei Li, Yunlong Zhao, Di Zhang</i>	1593
0320-240047	Height Control Method of Multi - rotor Vehicle Based on Auto - disturbance - rejection Control <i>Mengchao Fu, Min Yong, Yang Zhang, Ze Li, Boyang Xing</i>	1598
0321-240050	The TOPSIS method for decision making with 2-tuple linguistic intuitionistic fuzzy sets <i>Peipei Cheng , Bin Zhou, Zichun Chen, Jing Tan</i>	1603
0322-240136	Development of a Safety Design and Evaluation Research for Minimally Invasive Surgery Robot <i>Lv Ning, Xiaofei Wang, Zhang Jing</i>	1608
0323-240137	Specific emitter identification based on Fractal and Wavelet Theories <i>Huanhuan Wang, Tao Zhang</i>	1613
0324-240138	Concurrent Interaction Model of Distributed Monitoring System based on Agent <i>Dong Wang, Jifeng Si</i>	1618
0325-240139	An Improved Automatic MPI Code Generation Algorithm for Parallelizing Compilation <i>Yangxia Xiang, Caisen Chen, Hongyan Wang, Zeyun Zhou</i>	1623
0326-240140	CAN Bus Application Layer Protocol Design for Space Manipulator Communication System <i>Liu Tianming</i>	1627
0327-240141	A Lightweight RFID Authentication Protocol with confidentiality and Anonymity <i>Zhicai Shi, Jiwei Chen, Shanshan Chen, Shitao Ren</i>	1631
0328-240142	Design and Implementation of Living Streaming System based on Multi-service Nodes Collaboration <i>Huang Tianchi, Li Zeping, Zhang Jun</i>	1635

0329-240143	A new transformation algorithm for multi-granularity unbalanced linguistic terms <i>Xianqin Wang , Bin Zhou, Liangzhong Yi, Xiaohui Li</i>	1640
0330-240156	A Techno-Economic Cost Analysis of Heterogeneous Wireless Network <i>Usman Rauf Kamboh, Qinghai Yang, Meng Qin, Sundas Rauf</i>	1645
0331-240157	Protocols of Simultaneous Wireless Information and Power Transfer Scheme for Multi-carrier DCSK <i>Yaofei Song, Weikai Xu, Lin Wang</i>	1651
0332-240161	Blind Equalization for Burst Signals Based on Soft Information of Constellation <i>Qiu Zhaoyang, Huang Yan</i>	1656
0333-240162	An Efficient Algorithm for Estimating Carrier Frequency Offset of APSK Signal <i>Li Dongbo, Ou Yangxi</i>	1661
0334-240163	A improved Prophet routing based on congestion level of nodes in DTN <i>Guizhu Wang , Jian Tao , Hui Zhang , Dong Pan</i>	1666
0335-240164	A Novel Multi Point Cooperative Multidirectional Radio on Fiber Network System <i>Guang Li, Jian Deng, Hongzhan Liu, Xuguang Huang, Xiaoting Ou</i>	1670
0336-240170	The Performance Analysis of Up and Down LFM Based on Multi-Pulsed Simultaneous Polarimetric Measurement Technique <i>Bin Liao, Da-hai Dai, Shi-qi Xing, Wu Hao, Xue-song Wang</i>	1674
0337-240171	Cross Layer Design and Optimization for Multi-hop Ad Hoc Networks <i>Jinlin Peng, Haitao Niu, Wenjun Huang, Xinxiang Yin, Yujia Jiang</i>	1678
0338-240172	Fuzzy Control of Photovoltaic MPPT Based on Current perturbation <i>Deshui YU, Yonggang LI, Yichen ZHOU, Xiaoshuai SHI, Huiqiang LIU, Mingxia Huo</i>	1683
0339-240173	Application of Multi-focus Image Fusion in Visual Power Patrol Inspection <i>Zhiyu CHEN, Dong WANG, Shaoyan GONG, Feng ZHAO</i>	1688
0340-240175	Optimization-based in-motion Alignment for Rotation INS in GPS-Challenging Environments <i>Lingcao Wang, Kui Li, Jiixin Gao, Tianxiao Song</i>	1693
0341-240176	Research and Optimization for the Competition Mechanism of Distributed Multi-hop Cooperative Networks <i>Jinlin Peng , Xu Li, Tianjiao Liu, Li Kang, Xin Tong</i>	1704

0342-240181	Research and Analysis of Slot Allocation Strategy for Hybrid Resource Scheduling in Wireless Multi-hop Cooperative Networks <i>Jinlin Peng , Xu Li, Yanan Liang, Yi Zhang</i>	1709
0343-240184	Variable Selection based on Maximum Information Coefficient for Data Modeling <i>Fuchang Chu, Zhenping Fan, Baohui Guo, Dan Zhi, Zijian Yin, Wenjie Zhao</i>	1714
0344-240213	Major-auxiliary Cooperative Two-way Relay Scheme In The Ground Wave Transmission Of High-frequency Communication <i>ZHU Guo-qing , ZHANG Hua-kun , ZHENG He , ZHANG Zhen-yu, GE Li-jia</i>	1718
0345-240219	DFPS: Distributed FP-growth Algorithm Based on Spark <i>Xiujin Shi, Shaozong Chen, Hui Yang</i>	1725
0346-240243	An Improved Text Classification Model for Mobile Data Security Testing <i>Feng Xiaorong, Lin Jun, Mai Songtao, Jia Shizhun</i>	1732
0347-240267	Research on Gentle Electric Brakes Using PWM and FET Control circuits on Micro Wind Turbines <i>Shaoyan Gong, Chong Gao, Zhiyu Chen, Juanjuan Zhang, Feng Ji</i>	1737
0348-240287	Intrusion Detection System Based on data mining for Host Log <i>Ming Zhu, ZiLi Huang</i>	1742
0349-240289	Efficient improvement of measurement system of smart meter and application of broadband EMI filter <i>Xinrong Shi, Sheng Chen, Yangyang Xiong</i>	1747
0350-240295	Collaborative Filtering Algorithm Based on Denoising Auto-Encoder and Item Embedding <i>Yudong Guo, Yongwang Tang</i>	1751
0351-240298	Face Detection Based on Skin Color Segmentation and AdaBoost Algorithm <i>Guanghui Xu, Yingcai Xiao, Shuai Xie, Sen Zhu</i>	1756
0352-240358	Modeling and Analysis of Web Tension between Two Adjacent Printing Rollers in Shaft-Less Drive Gravure Printing Systems <i>Kui He, Kedian Wang, Dongsheng Zhang, Shanhui Liu, Kui He, Jian Li, Qing Wen</i>	1761
0353-240404	Distribution Network Island Separation With Distributed Generation (DG) Based on Dynamic Planning <i>HE Chunguang, ZHU Jiaming, DONG Xin, WANG Lei, ZHAI Guangxin , XIE Xiaolin, LIU Peng, LIU Yong</i>	1767

0354-240406	Miniaturization of 4x4 Butler Matrix Using High Slow-Wave Factor Structure <i>Feng Wu, Ligu Sun</i>	1772
0355-240421	Multidimensional Speaker Information Recognition based on Proposed Baseline System <i>Shan Li, Longting Xu, Zhen Yang</i>	1776
0356-240448	Modelling of Fuze Electromagnetic Scattering Echo <i>Jun-chao Yuan, Xiao-kuan Zhang, Ming-cai Sun, Mao Liu</i>	1781
0357-240459	Design of Frequency Reconfigurable Antenna Based on Metasurface <i>Mengying Zhu, Ligu Sun</i>	1785
0358-240469	A New Packaged FBG Sensor For Underground Cable Temperature Monitoring <i>Xiong Jie, Li Zhi-bin, Huang Qi-tao, Liu Chang</i>	1789
0359-240473	Liver Lesion Segmentation in CT Images with MK-FCN <i>Changjian Sun, Shuxu Guo, Huimao Zhang, Jing Li, Shuzhi Ma, Xueyan Li</i>	1794
0360-240474	Multi-group independent sub-channels allocation precoding for MGSTC systems in correlated HF-MIMO channels <i>Ruiqi Kang, Jirui Zhang, Zhenyu Zhang, Lijia GE</i>	1799
0361-240484	Local Community Detection Algorithm Based on Links and Content <i>Cuijuan Wang, Wenzhong Tang, Yanyang Wang, Jing Fang, Shan Yao</i>	1805
0362-240486	A Novel Approach To Detect Advertising Spammer In Micro-blog <i>Gang Bai, Lianzhong Liu, Xiongjie Du, Yifu Li</i>	1809
0363-240500	A Novel Approach for Countering Application Layer DDoS Attacks <i>Yadong Wang, Lianzhong Liu, Chengxiang Si, Bo Sun</i>	1814
0364-240502	An easily decoded erasure code based on random bipartite graphs <i>Shuo Chai, Hao zheng, Wenhui Cao, Liwei Shao</i>	1818
0365-240505	Research on Routing Algorithm for On-line Monitoring of Leakage Current of Insulators <i>Jintao Zhou, Yuxing Mao, Tao Cheng, Huiyuan Zhao</i>	1822
0366-A112	The Research of Analytical Approach for Crosstalk of Multi-conductor Transmission Lines <i>Qingpeng Zhang, Jianru Wan</i>	1827
0367-A115	GPU Based Simulator of Ultrasound Pressure Fields <i>YANG Xin wei, YUE Tian yang, WEN Ji fei</i>	1832

0368-A121	A New Type of Mobile Phone Antenna with Multi-Band Frequency <i>DENG Hui</i>	1836
0369-A123	Simulation research of electromagnetic flow meter dry calibration <i>Yaoyao Zhang, Yueming Wang, Kai Yu, Hua Jia, Ruili Wang</i>	1841
0370-A124	Method for air combat formation optimization with uncertain information <i>Zhanwu Li, Deyun Zhou, Xiaozhe Zhao, Haiyan Yang, Linyuan Gui, Yizhe Chang</i>	1846
0371-A125	Generating multi-double-scroll attractors via pulse control technique <i>Zhiping Tan, Qinghui Hong, Yicheng Zeng</i>	1855
0372-A128	Carrier Phase Estimation in Dispersion-Unmanaged Optical Transmission Systems <i>Tianhua Xu, Polina Bayvel, Tiegen Liu, Yimo Zhang, Gunnar Jacobsen, Jie Li, Sergei Popov</i>	1860
0373-A130	Improved KNN algorithm for scattered point cloud <i>Dongxia Li , Aimin Wang</i>	1865
0374-A133	A Modified Vivaldi Antenna with Notched Frequency Characteristics <i>Yaqiao Liu, Jiangang Liang</i>	1870
0375-A134	Requirement Analysis and Descriptive Specification for Exploratory Evaluation of Information System Security Protection Capability <i>Mingqing Zhang, Qiangjun Chen, Yuchen Zhang, Xiaohu Liu, Shuqin Dong</i>	1874
0376-A135	The data analysis of GMA multi-physics parameters based on local mean decomposition <i>Wei Li, Ping Han, Xuemei Jiang</i>	1879
0377-A137	Spectrum Occupancy in the 87.5-108 MHz Band: Measurement and Analysis <i>Xixi Yu, Zheng Pei, Mingming Kong, Xiaohui Li, Yuezhi Liu, Bin Zhou</i>	1884
0378-A138	Application of multi population genetic algorithm in traffic assignment problem <i>LU You-peng, Zhang Bo-hao, Chen Fan</i>	1889
0379-A140	Design of ZigBee Based Environmental Parameter Monitoring System for Henhouse <i>Zhiyong Zou, Man Zhou, Zhengyang Zhao , Bin Wen</i>	1894

0380-A141	Multi-in-one Meter Reading System Based on Neighbor Mesh <i>Zhou Feng, Cheng Yingying, Feng Ling, Xiao Ji, Du Jie, Zhang Jiaming</i>	1898
0381-A142	The Electricity Measuring System and Calibration Technology in the New Smart Substations <i>DU Jie, CHENG Yingying, YANG Huaxiao, HU Jianming, ZHOU Feng, Xiao Ji</i>	1902
0382-A144	Research on Software Architecture of High Lift Control System for Large Military and Civil Transport Aircraft <i>Yu Li, Xin Li, Gang An</i>	1906
0383-A145	The Study of UAV Intelligent Support Mode Based On Battlefield Networks <i>Juan Chen , Tao Ma , Chenjun Su</i>	1912
0384-A146	Kinetic Modeling and Simulation of Traditional Chinese Medicine Packing Robot <i>Sun Wencheng, Tao Yong, Gao Jinpeng</i>	1916
0385-A147	An Implementation Method for SM4-GCM on FPGA <i>Li Li, Feng Yang, Yaoming Pan, Weihua Mao, Cuijie Liu</i>	1921
0386-A149	BP neural network applied to ADCP wave estimation <i>Wei Zheng, Zhi Wang, Mingyang Fu, Bin Zhao, Lei Shi, Xiangtao Ran, Li Hui, Ying Yang</i>	1926
0387-A150	A Modified Fast Matching Pursuit Algorithm Based on Signal Energy Property <i>Xu Wang, Yingjuan Yue, Yanping Cai</i>	1930
0388-A152	A Dynamic Consolidation of Virtual Machines Energy-Efficient Scheme based on User Task Characteristic <i>Guilan Feng, Wengang Zhou</i>	1934
0389-A153	A Study of Indoor Positioning Based on UWB Base-Station Configurations <i>Aifeng Ren, Fu Zhou, Atiqur Rahman, Xueyan Wang, Nan Zhao, Xiaodong Yang</i>	1939
0390-A154	Research on Extended Target Tracking with Partial Region Feature <i>Changcheng Wang</i>	1944
0391-A155	Folding Mechanism Design and Analysis of High-Altitude Gliding UUV Wings <i>Yilin Li, Baowei Song</i>	1948
0392-A157	Reason Analysis and Precautionary Measures of Abnormal Power Factor <i>Chang Shiliang, Zhang Jiaming, He Bei</i>	1952

0393-A159	Study And Implementation of Scientific Research Project Assessment System on Network Based on Text Mining <i>Shengju Yang, Jianbing Wei, Xinhui Zhao</i>	1956
0394-A160	The Construction of Central Calculation Model Based on Ammunition Supply Demand Analysis Experiment <i>Xingqiang Yu</i>	1960
0395-A161	Fuzzy Fusion of Events in CPS <i>Zhonghai Yin, Xin Zhao, Cheng Zhou, Yanan Chu, Lei Wang</i>	1965
0396-A163	Based on the research of complex network invulnerability <i>Jiaming Zhu, Yuan Jiang, Ping zhao, Fujin Jia, Shengwei Miao</i>	1970
0397-A164	RSSI Indoor Localization through a Bayesian Strategy <i>Fu Zhou, Kaixian Lin, Aifeng Ren, Dongjian Cao, Zhiya Zhang, Masood Ur Rehman, Xiaodong Yang, Akram Alomainy</i>	1975
0398-A167	A Study on Monitoring Technology for Multi-Terminal $\pm 500\text{kV}$ VSC-HVDC Power Transmission System <i>Yonggang Zhang, Weijin Zhuang, Mingyang Sun, Longda Huang, Jin Liu, Pan Xu</i>	1980
0399-A168	Application of variable weight fuzzy analytic hierarchy process in evaluation of electric energy meter <i>Cheng Ying Ying, Du Jie, Zhou Feng, Xiao Ji, Yang Hua Xiao</i>	1985
0400-A170	Scoring Tourist Attractions Based on Sentiment Lexicon <i>Yi Ding, Bing Li, Yuqi Zhao, Can Cheng</i>	1990
0401-A171	The design of the magnetic and hydraulic suspension system on an axial blood pump and the analysis of its mechanical properties <i>Xiaoyan Tang, Zhong Yun, Junrui Xu, Chao Cai</i>	1994
0402-A173	Estimation of Electric Vehicle Battery State of Health based on Relative State of Health Evaluation <i>Qi Guo, Wei Qu, Haoran Deng, Xueyuan Zhang, Yi Li, Xiaowei Wang, Xiangwu Yan</i>	1998
0403-A175	The Vibration Analysis for Transformer Winding Based on Multi-field Coupling <i>Hemeng Peng, Yuehong Pan, Jianyao Hu, ChuanYang, Yong Wang, Kunlun Wu</i>	2003
0404-A176	Distance Measurement Algorithm for Freeway Vehicles based on Zigbee Technology <i>Kai Zhang, Li Zhang, Fei Lu, Yongyi Zhao</i>	2007
0405-A177	Facial Feature Extraction Method Based on Fast and Effective Convolutional Neural Network <i>Lu Lv, Xiaodong Cai, Yan Zeng, Chaochun Chen</i>	2011

0406-A178	Commented Content Classification with Deep Neural Network Based on Attention Mechanism <i>Qinlu Zhao , Xiaodong Cai , Chaocun Chen , Lu Lv , Mingyao Chen</i>	2016
0407-A179	Deep Convolutional Neural Networks with Adaptive Spatial Feature for Person Re-Identification <i>Zongtao Song, Xiaodong Cai , Yuelin Chen, Yan Zeng , Lu Lv , Hongxin Shu</i>	2020
0408-A182	Full-Duplex Massive MIMO AF Relaying System with Low-Resolution ADCs under ZFT/ZFR Scheme <i>Jinliang Jiao, Xiangdong Jia, Meng Zhou, Mangang Xie, Qi Cao</i>	2024
0409-A186	Design on Planning Simulation of Integrated Logistics System <i>Pan Xiang</i>	2029
0410-A187	Duplicated Record Detection Based on Improved RBF Neural Network <i>Xinting Liu , Xiaodong Cai, Bo Li, Mingyao Chen</i>	2034
0411-A188	Vehicle Type Recognition based on Multi-branch and Multi-Layer Features <i>Chaocun Chen , Xiaodong Cai , Qinlu Zhao , Lu Lv , Hongxin Shu</i>	2038
0412-A189	Application of Fuzzy Logic Algorithm for Optimization of Control Strategy in Electric Vehicles <i>HU Jianyao, WU Juan, PENG Hemeng, PENG Qi, HUANG Qingli</i>	2042
0413-A190	Modeling Method and Application of Multi-agents in Armored Force Operation Simulation <i>Zhijun Han</i>	2046
0414-A191	An Energy-Efficient SAR ADC With a Partial-Monotonic Capacitor Switching Technique <i>Xiang Hong, Chenchen Yang, Xiaojie Zhang</i>	2050
0415-A192	Multi-sensor Weighted Support Vector Machine Algorithm Oriented to P300 Signals <i>Zemin Liu , Haojie Liu , Congsheng Zhang , Kun Chen</i>	2055
0416-A195	The design of a new X band antenna element <i>Jilan Li, Chunli Wang, Xin Zhang</i>	2060
0417-A196	The design of optical fiber delay line based on optical phased array <i>Jilan Li, Xin Zhang</i>	2064
0418-A198	Substation DC System Intelligent Monitor and Maintenance System <i>Shihui Huang , Rugang Wang , Zhongliang Yang</i>	2068

0419-A199	Research on Software Project Risk Assessment Model based on Fuzzy Theory and Improved <i>Zhenyu Yu , Kun Yang, Yi Luo, Qiongfei Deng</i>	2073
0420-A200	Analysis on the Integrity Simulation of Dual-Frequency WAAS <i>Xiaoyu Li , Yi Qiao , Teng Wang</i>	2078
0421-A201	Characteristic analysis of shaped cable net antenna <i>Huanxiao Li, Xiaofei Ma, Yesen Fan</i>	2083
0422-A203	Compact Ultra-Wideband BPF with broad Stopband Using Improved Short-Circuited Coplanar Waveguide Multiple-Mode Resonator <i>Lingling Yang, Qinfen Xu, Guoan Wu, Jing Ye</i>	2087
0423-A204	Research On Resource Scheduling Mechanism Based On Virtual Machine Migration <i>Tian Fu, Zhen Wang</i>	2091
0424-A205	Integrated Modular Avionics Anomaly Detection Based on Symbolic Time Series Analysis <i>Sifan Lei, Lin He, Yang Liu, Dong Song</i>	2095
0425-A206	Research of Improved Multi-channel MAC Protocol in MANET <i>Siyu Dong</i>	2100
0426-A207	FFT Used for Fabric Defect Detection based on CUDA <i>Zhonglun Pan , Ning He , Zhen Jiao</i>	2104
0428-A213	A Study on Fingerprint Image Segmentation Algorithm <i>Xueli Zhou, Qian Liu, Tingting Tan</i>	2114
0429-A215	Design and Research on the test system of train comfort and stability index based on DSP <i>MO Li, YU Hongping, HE Xin</i>	2118
0430-A216	Design and Implementation of Test IP Network Intelligent Monitoring System Based on SNMP <i>Jianwu Zhang</i>	2124
0431-A217	DOA Estimation Performance Simulations and Analysis With Velocity Errors for A Passive Synthetic Array Using Single Moving Sensor <i>Wei Jiang, Guodong Qin, Jian Dong, Peng Li</i>	2128
0432-A218	The Design and Implementation of An Infrared Indoor Positioning and Lighting System <i>Chen Wu , Minling Zhu, Yuchao Zhang</i>	2134

0433-A220	Linear Frequency Diversity Array Synthetic Aperture Radar Imaging with Enhanced Fast Back-projection Algorithm <i>Da Ran, Can-bin Yin, Xin Jia, Da Ran</i>	2139
0434-A221	Applied Research Of Circuit Fault Diagnosis System Base On SAT Satisfying The Algorithm <i>CAI Li-sha, ZENG Wei-peng</i>	2144
0435-A225	Wideband Band-pass Filter With Defected Ground Structure <i>Bin Wu , Naichang Yuan , Faxiao Zhang , Shuang Wu</i>	2149
0436-A229	Weighted Non-negative Sparse Low-rank Representation Classification <i>Jingshan Li, Caikou Chen, Xielian Hou, Tianchen Dai, Rong Wang</i>	2153
0437-A230	The Error analysis of Hemispherical Resonator Gyro Based on a Vibration Model <i>Xu Wang, Jiming Xue, Qingsong Wang</i>	2158
0438-A231	Motion Object Detection Method based on Real-time Background Update under Complex Environment <i>Zixiao Pan, Mei Wang</i>	2163
0439-A232	Research on Comprehensive Risk Identification and Dynamic Assessment of Logistics Information Integration Stage <i>Ying Qu, TieZhu Yang, YaJing Lu</i>	2167
0440-A236	Based on Big Data: The Impact of Rural Financial Development on the Urban - rural Income Gap in Heilongjiang Province <i>Fengge Yao, Shaopeng Lu</i>	2172
0441-A237	Image blurred region detection based on RGB color space information and local standard deviation <i>Ku Pengsen, Yu Zhenming</i>	2177
0442-A239	Optimization design of the decoder of streaming media player Based on ARM <i>Jin Chen, Zhiyong Mo, Xueli Chen , Baobing Pang</i>	2182
0443-A241	Design and Simulation of a Spoof SPPs Microwave Filter <i>Mingzhe Hu, Xia Huo, Kesheng Zhang, Denghui Ji</i>	2188
0444-A242	Detection of ice thickness of high voltage transmission line by image processing <i>Yanqi Liu, Zhigang Tang, Youjun Xu</i>	2191
0445-A244	New Type of Deep-sea Cutter and Water Resistance Simulation Studies for the Saw Blade <i>Zhongjun Ding , Zhuwen Shao , Xiaofeng SU , Yugang Ren , Hongliang Wang</i>	2195

0446-A245	Simulation of Ship Radiated Noise Based on Sub-bands Spectrum Featruce <i>Xin GAO, Qijun LIU, Yichuan WANG, Weiguo Dai</i>	2200
0447-A246	A Radar-based Blind Spot Detection and Warning System for Driver Assistance <i>Guiru Liu, Lulin Wang, Shan Zou</i>	2204
0448-A249	Experimental Study on Dual Rotors Rubber Continuous Mixer <i>Ping Fu, Mingfei Yang, Xiaofeng Su, Xiaopeng Zhao, Chuansheng Wang</i>	2209
0449-A250	Structure Design and Simulation of Expendable Bottom Penetrator <i>Ping Fu, Xiaofeng Su, Junfei Wu, Mingfei Yang, Xiaopeng Zhao</i>	2214
0450-A251	A Band Pass Microwave Filter with Planar Spoof Surface Plasmon Polaritons Structure <i>Mingzhe Hu, Xia Huo, Jiquan Liu, Wenyong Tang, Zhiwei Zeng</i>	2219
0451-A253	Optimal Travel Path Planning and Real Time Forecast System Based on Ant Colony Algorithm <i>Shan Xiao</i>	2223
0452-A254	IC Engine Vibration Time-Frequency Analysis Based on a Novel Fast Matching Pursuit Algorithm <i>Cheng Jie, Li Si-ran</i>	2227
0453-A255	The Research and Simulation of the basic principle of active radar signal processor <i>Yu Wang, Qingzhan Shi, Naichang Yuan</i>	2231
0454-A256	Understanding Network Behavior Patterns of Bus Wi-Fi Users Using Surfing Data <i>Ting Xu, Jie Yang, Si Zhao, YangWang</i>	2235
0455-A257	Fault detection based on GP-UKF and GP-CKF algorithms <i>Lijie Qi</i>	2239
0456-A258	A FPGA-based Method for Modeling and Generation of the Time-varying Electromagnetic Environment <i>Xuchen Li, Donglin Su, Li Li, Zhipeng Xu, Shaohua Yang</i>	2243
0457-A259	Research on String Similarity Algorithm based on Levenshtein Distance <i>Shengnan Zhang, Yan Hu, Guangrong Bian</i>	2247
0458-A260	Improved Image Coloring Algorithm based on LapRLS <i>Xuedong Liu, Jingjing Jia, Jie Yang</i>	2252
0459-A261	Genetic Algorithm Study on Control Strategy Parameter Optimization of Hybrid Powertrain System <i>SONG Qiang, ZHAO Ping</i>	2256

0460-A263	Research on Noise Suppression Jamming of Tracking and Data Relay Satellite System <i>Lv Yakun, Wang Hongyan, Wu Yanhong</i>	2261
0461-A265	Resource Scheduling for HF Reception based on Improved Ant Colony Optimization Algorithm <i>Yang Liu, Lunwen Wang</i>	2266
0462-A266	A Detecting Method of Electromagnetic Emanations Based on Virtual Instrument <i>Jinming Liu , Peiguo Liu , Jian Mao</i>	2271
0463-A271	Video inpainting by Markov Random Field Modeling and Gibbs Sampling <i>Xueyan Mei</i>	2275
0464-A273	Multiple-Replica Cloud Data Integrity Verification Scheme based on B+ Tree <i>Haoyu Li , Qingpeng Li , Longjun Zhang</i>	2279
0465-A274	Analysis and Optimization of Bubble Flow of Gas and Oil Phase in High Speed Rolling Bearing <i>Li Cui, Wenxia Wang, Qingsheng Wang, Yafei He</i>	2283
0466-A276	Studies on the optimization of train using improved genetic algorithm <i>Jingjie Ning, Fengchu Long</i>	2287
0467-A278	A Multilevel Threshold Segmentation Technique Using Self-adaptive Cuckoo Search Algorithm <i>Hongtao Wei, Qin Yang</i>	2292
0468-A280	Sensor Configuring Optimization for Grid Harmonic Monitoring Based on Improved PSO Algorithm <i>Meng-Meng Jia, Liang Chen, Xiao-Dong Yuan, Yu-Ling He , Lu-Jia Zhao</i>	2296
0469-A282	A New Type of Fault Current Limiter <i>Jingjin Cao , Yue Zhao, Tianzheng Wang , Hua Yu , Na Zhang</i>	2300
0470-A283	SNR-Based Weighted Fusion Algorithm of Multiple Sub-Band DEMON Spectrum <i>Zhe Chen, Qijun Liu, Yichuan Wang</i>	2305
0471-A285	Optimization of Power Integrity and Signal Integrity Based on A Field-Circuit Combined Method <i>Lei Zhou, Qingxiang Liu, Jianqiong Zhang, Bangji Wang, Xiangqiang Li</i>	2309
0472-A286	A New Image Encryption Algorithm Based on Improved Logistic Map and Block-Mod Algorithm <i>Jingyi Liu, Dingding Yang, Hongbo Zhou, Shiqiang Chen</i>	2314

0473-A290	A recommendation algorithm based on Collaborative Filtering Technology in distance learning <i>Ji-chun Zhao, Lei Chen, Jianxin Guo</i>	2320
0474-A291	Research and construction of personalized user interest model for distance learning <i>Jichun Zhao, Lei Chen, Jianxin Guo</i>	2324
0475-A294	A Novel Video Detection Design Based On Modified Adaboost Algorithm and HSV Model <i>Xiao LUO, Huatao ZHAO, Harutoshi OGAI, Chen ZHU</i>	2328
0476-A295	The study of fault diagnosis method for NC Machine tool based on Classification Framework <i>Huijuan Hao, Chunmei Wang, Maoli Wang, Yongwei Tang</i>	2332
0477-A296	Radar Signal Recognition Based on Modified Semi- Supervised SVM Algorithm <i>Fu Ying , Wang Xing</i>	2336
0478-A298	An Imaging Algorithm for Multiple Receiver Synthetic Aperture Sonar <i>Cheng Peng, Xinning Chen, Bo Yang</i>	2341
0479-A300	Design of Passive Sonar Buoy Simulator Based on Measured Data <i>Xiaoqing Zheng , Xiaopeng Kong , Rijie Yang , Zhichao Shan</i>	2345
0480-A301	Running Cost Functions Optimization in Smart Grids <i>Rabiya Bibi, Nabila Ahmad, Shoab Ahmed Khan</i>	2350
0481-A302	SRS-based LTE Indoor Wireless Positioning System <i>Feng Wang, Jia Chen, Qi Liu</i>	2356
0482-A303	Visual Flight Simulation System Based on Matlab/FlightGear <i>Jin Ying , Huazhu Luo , Jiyang Dai, Haoman Pan</i>	2360
0483-A304	Adaptive Robust Unscented Particle Filter and its Application in SINS/SAR Integration Navigation System <i>Haifeng Yan, Xuehua Zhao, Shesheng Gao, Jing Zhang, Xiaoyuan Shao</i>	2364
0484-A307	An Evaluation Study on Innovation Capability of shijiazhuang ' s High-tech Industry Based on Rough Set Theory <i>Chenxi Zhao</i>	2369
0485-A308	Research on Frequency Hopping Signal Sparsity and its Rconstruction Performance via Theoretical Analysis and Dictionary Learning <i>Kai Wang , Bin Wu , Bo Wang</i>	2374
0486-A309	A New Model of Generalized Assignment Problem and Its Method <i>Sheng Xiong, Yuqi Yang, Kaizhan Huai</i>	2379

0487-A311	A Research on Zero-cross Point Forecast Method of Short Circuit Current <i>Jingjin Cao , Yue Zhao , Na Zhang , Wei Wang ,Dawei Wang</i>	2385
0488-A313	Research on Algorithm of Fault Feature Gene Extraction Based on Time - Frequency Domain Statistics <i>Rui Li, Nan-hua Yu , Bin-bin Zhang, Bing-kun Xu, Yi-dan Su, Ming Gong</i>	2390
0489-A314	Fault Diagnosis Algorithm for Distribution Line Based on Wavelet Singular Entropy and Wavelet Energy Entropy <i>Rui Li, Nan-hua Yu , Ming Gong , Yi-dan Su , Bin-bin Zhang, Bing-kun Xu, Chun-xiang Li</i>	2395
0490-A318	Research on Risk Assessment of Hand wearing devices based on Analytic Hierarchy Process <i>HUANG Linyi, HU Jianyao, ZHANG Rong, TANG Xiaoqing, LIU Qunxing</i>	2399
0491-A321	High Definition Wide Dynamic Video Surveillance System Based on FPGA <i>Deke Xie, Yang Wang</i>	2403
0492-A322	A New Low-complexity Subblock Segmentation Method for PTS OFDM <i>Meng Wang, Jun Xiao, Chuanlin Yuan, Yong Tian, Lu Zhang</i>	2408
0493-A323	Indoor Visible Light Location Algorithm based on Virtual Fingerprint Database <i>Hongtao Wei, Hao Yao</i>	2412
0494-A324	The improved Item-based clustering collaborative filtering algorithm based on Hadoop <i>Wei Zhao, Hongtao Zhang</i>	2416
0495-A325	A Hybrid Algorithm for Service Matchmaking Based on Ontology Approach <i>Jianmin Bao, Junxin Xia</i>	2420
0496-A326	Current Reckoning Method to Identify Overlapping Bad Data and Branch State in State Estimation <i>Na Zhang , Suquan Zhou , Jingjin Cao , Xiaoqian Li , Yuan Zhang</i>	2425
0497-A327	Optimal Control and Switch in a Hydraulic Power Station <i>Fulai Yao, Qingbin Gao</i>	2429
0498-A328	Simulation and Application of Weak Signal Detection Based on Chaos Theory <i>Yingchun Xing, Futao Zhang</i>	2434
0499-A330	Intelligent Products Design for the Household Water Resources Conservation <i>Xin Yang, Bing Jiang, Jian Yao, Jianmin Yang, Xuan Xu, Jiuqiang Fu</i>	2438

0500-A335	The research and optimization on Levenberg- Marquard algorithm in neural net <i>Dongfei Liu, Wenjun He, Chengceng Zhang</i>	2442
0501-A336	Study on Distributed Measurement and Control System for 12000kN Marine Component Mechanical Properties Test Platform <i>Shijie Su, Youpeng You, Dekui Lv, Hairong Wang, Yucheng Qian</i>	2447
0502-A337	Trust-aware collaborative filtering Recommendation in Reputation level <i>Hong Zhou, Qing Li, Fang Zhou</i>	2452
0503-A340	Adaptive System Construction of Medical Knowledge Agent Learning Technology <i>Ming-E Zhang</i>	2458
0504-A341	Path Search of Intelligent Car Based on Graphplan <i>LIN Er-min, ZENG Wei-peng</i>	2463
0505-A342	Application of SVM Based on FOA Optimization in Fault Diagnosis of Rotating Machinery <i>Huawei Zhang , Siteng Wang</i>	2468
0506-A343	Design and Implementation of Control System for Nuclear Pollution Disposal Robot based on Wireless Communication <i>Wei Chen , Yongguo Zhao, Chengye Liu , Mingming Jiang , Jie Sun</i>	2475
0507-A344	Camshift head tracking based on Adaptive multimodel switching <i>Yugang Shan, Jiabao Wang, Feng Hao</i>	2479
0508-A346	Research on tower crane structure damage detection based on AR model <i>Shengchun Wang, Ye Zhang, Yan Tian, Mingxiao Dong</i>	2484
0509-A347	Architecture and Experiment of Remote Monitoring and Operation Management for Multiple Scales of Solar Power Plants <i>Guangyu Liu, Haoxiang Qiu, Ling Zhu, Yun Chen</i>	2489
0510-A348	Design and Realization of a Capacitive Sensor Measurement System <i>Cong Long, Tao Huang</i>	2496
0511-A349	Backtracking and Dynamic Bit-shield Anti-Collision Algorithm in RFID System <i>Mo Lei, Chen HuaLi, Fang MengXu, Ren Ju</i>	2500

0512-A350	Research on Islanding Detection Technology for Multi Grid-Connected Inverters <i>Dong Xie , Dajin Zang , Peng Gao , Minmin Xiang , Lu Yang</i>	2505
0513-A352	A Density-Based Method for Selection of the Initial Clustering Centers of K-means Algorithm <i>Xin Du, Ning Xu, Cailan Zhou, Shihui Xiao</i>	2509
0514-A354	A Multiple Paths Scheme with Labels for Key Distribution on Quantum Key Distribution Network <i>Chenhui Ma, Yixi Guo, Jinhai Su</i>	2513
0515-A356	A Multi-stage Game Approach Applied to Network Security Risk Controlling <i>Tao Li, Jin-dong Wang, Yu Chen, Na Wang</i>	2518
0516-A358	Optimization of Shifting Schedule for Vehicle with Automated Mechanical Transmission based on Dynamic Programming Algorithm <i>MIAO Liying, CHENG Xiusheng, LI Xuesong</i>	2523
0517-A359	Predicting Five-year Overall Survival in Patients with Non-small Cell Lung Cancer by ReliefF Algorithm and Random Forests <i>Xueyan Mei</i>	2527
0518-A360	A 12-bit 200KS/s SAR ADC with Digital Self-Calibration <i>Xiaojie Zhang, Maodong Wang, Liyang Guo, Xinghua Wang</i>	2531
0519-A361	A 10bit 40MS/s SAR ADC in 0.18μ m CMOS with Redundancy Compensation <i>Liyang Guo, Maodong Wang, Xiaojie Zhang, Xinghua Wang</i>	2536
0520-A362	Research on a New Type of On-load Automatic Voltage Regulation Technology <i>Shaoping Guan , Qi Wang , Tianzheng Wang , Like Dong , Ruidong Han , Yu Han, Na Wu , Xiaojing Li</i>	2541
0521-A363	The improved TEM by more feasible Implementation <i>Yidan Zhang, Xuedong Liu</i>	2545
0522-A364	A Capacitor-less LDO with Sub-bandgap Voltage Reference and DFC Compensation Strategy <i>Chenchen Yang, Xiang Hong</i>	2549
0523-A365	A Short-Term Traffic Flow Prediction Model Based on EMD and GPSO-SVM <i>Mei Duo, Yan Qi, Gao Lina, E Xu</i>	2554
0524-A367	A Formal Model For Multi-Protocol Analysis <i>Wen Gu , Ji-Hong Han , Lin Yuan</i>	2559

0525-A370	Dynamic MRI reconstruction using low-rank and 3D sparsifying transform with separation of background and dynamic components <i>Changfeng Xi , Jinxu Tao , Bensheng Qiu , Zhongfu Ye , Xu Xu , Jinzhang Xu</i>	2563
0526-A371	HVDC Fault Recovery Characteristics and Enhancement Methodologies <i>Na Wu, Tianzheng Wang, Zhenyu Yang, Yang Yang, Ying Zhang, Jie Hao, Wei Wang, Shaoping Guan, Yu Han</i>	2568
0527-A372	Opportunistic Relay Selection for Secure Communication in AF Multi-Antenna Relaying Networks <i>Qian Zhou, Guozhen Zang, Yuanyuan Gao, Huiying Song</i>	2573
0528-A373	Progresses and Applications of Magnetic Suspension Control System Research in China <i>Yunqiang LI , Guobin LIN , Zhiming Liao</i>	2578
0529-A375	On-chip fluidic assembly of multiple types of nanowires <i>Mei LIU, Jiasheng YU, Ning CAO, Ning DENG</i>	2583
0530-A376	Optimal Design of Command and Control Organizational Communication Network based on Task <i>Dong Wang , Shan Yang , Jiachen Feng , Qiang Zou , Yun Zhang</i>	2587
0531-A377	Collaborative Filtering based on User Attributes and User Ratings for Restaurant Recommendation <i>Ling Li, Ya Zhou, Han Xiong, Cailin Hu, Xiafei Wei</i>	2592
0532-A378	An Integrated Algorithm for QoS-Aware Logistics Service Composition <i>Bao JianMin, Liu Jie</i>	2598
0533-A380	Start-up Control of Automated Mechanical Transmission with Wet Clutch <i>MIAO Liying, CHENG Xiusheng, LI Xuesong</i>	2603
0534-A381	Research on Robot Obstacle Avoidance and Path Tracking under Dynamically Unknown Environment <i>NIE Qingbin</i>	2607
0535-A382	Network Defense Strategy Selection Based on Best-response Dynamic Evolutionary Game Model <i>Jian-ming Huang, Jin-dong Wang, Heng-wei Zhang, Na Wang</i>	2611
0536-A383	Research on M/T Velocity Measurement Based on microcontroller <i>WU Yang, LI Ping-Zhou</i>	2616
0537-A385	Tool path generation for milling of the screw surfaces with varying pitch using standard cutters <i>Zhou Jingbo, Li Yuehua and Huang Fengshan</i>	2622

0538-A387	Intelligent Travel and Parking Guidance System Based on Internet of Vehicle <i>Xiaobo Zhang, Liangjie Yu, Yong Wang, Guangqing Xue, Yanbo Xu</i>	2626
0539-A390	The Application of Dynamic Matrix Control in the Grate Cooler <i>ZHANG Jun, MENG Qingjin, YU Hongliang</i>	2630
0540-A391	Coordination between Inverter Short-Circuit Characteristics and Overcurrent Protection for Shipboard Electrical Systems <i>Yunfan Wang, Zhengxi Xu, Dali Wu</i>	2634
0541-A392	Research on Data Cleaning Method Based on SNM Algorithm <i>Ningning Zhang, Aizhang Guo, Tao Sun</i>	2639
0542-A393	Design and Implementation of Reservoir Dam Safety Monitoring Platform Based on ASP.NET* <i>Yong Li, Yu Wang</i>	2644
0543-A394	Wideband, Circularly Polarized, Crossed, Bowtie Dipole Antenna for Navigation Satellite System <i>Yuwei Chen , Gaosheng Li , Peiguo Liu , Lian Bian , Bo Yi</i>	2649
0544-A398	Based on self-learning dictionary Circuit Board Fault Diagnosis Device <i>Yongwei Tang, Chunmei Wang, Maoli Wang, Huijuan Hao, Jingbo Zhao</i>	2653
0545-A399	A Method of Evaluating LVRT Capability of Wind Turbines <i>Han Yu , Wang Ying , Wang Tianzheng , Yu Hua , Wang Wei , Guan Shaoping, Wu Na</i>	2658
0546-A402	A Novel Thermo-Mechanical Coupling Analysis Method for Operational Conductors <i>Xiao kai, Li wei-quan, Zhou hua-min, Liu yong-dou, Li peng-yun</i>	2663
0547-A404	Magnetic Resonance Image Reconstruction via the Augmented TV-regularized Problem <i>Shanshan Chen , Hongwei Du , Linna Wu , Jiaquan Jin</i>	2666
0548-A405	Numerical Simulation on the Interference with High Velocity and Flat Head Penetrator by LEFP <i>Xuqiang Zhu, Lizhi Xu, Hongzhang Jiang , Zhonghua Du, Bing Li, Qi Wang</i>	2670
0549-A406	A Fast Spectrum Sensing for OFDM Based on Adaptive Thresholding <i>Mengbo Zhang, Lunwen Wang , Lei Ding</i>	2674
0550-A407	License Plate Recognition System Based on the Hardware Acceleration Technology on the ZYNQ <i>Wei Wang</i>	2679

0551-A408	An Embedded Parallel Face Detection System Based on Multicore Processor <i>Zheng Wang, Fang Gao</i>	2684
0552-A409	Research on Fusion Method for Indoor Positioning System based on Sensors and WLAN Technology <i>Guang Yang</i>	2689
0553-A410	Optimal Selection and Configuration of Distributed Generators Considering the Uncertainties in Distribution Systems <i>YAN Jiong, WAN Tao, LI Haosong, YANG Ming, ZHENG Xu, ZHANG Ji, LI Jin, KANG Taifeng, WANG Ting</i>	2693
0554-A414	Research on Online Remote Monitoring of Steam Turbine Power Oscillation <i>Xiankui WEN, Qianmin LI, Ruifeng ZHANG</i>	2698
0555-A415	Modeling and Research on Injury of Long-range Rocket Gun Weapon System <i>Fugui Wang, Yongjun Ruan</i>	2702
0556-A416	Study for Information Connotation Evolution and Model <i>Mack J. Du</i>	2706
0557-A417	A New Alignment Method of Spacecraft Assembly based on Irregular Prism <i>Wei Wang, Bile Wan, Li Tao, Jieying Guo</i>	2711
0558-A418	Research on text categorization model based on LDA - KNN <i>Weihua Chen, Xian Zhang</i>	2719
0559-240416	Three-Dimensional Positioning of Wireless Communication Base Station <i>Xiaodong Chang, Sheng Ye, Yucheng Jiang, Tian Guan, Jian Wang</i>	2727
0560-435	Research and Simulation of Node Importance in Transport Network based on Weighted Model <i>Xin Zhao, Linjiang Zheng, Weining Liu, Haiwei Liu, Xiaoli Peng</i>	2733