The Research of Parallel Collision Detection Algorithm in the Virtual Surgery ......................... 1709
Wei Zhao, Guo Xinxin

An improved Algorithm of Range-Doppler for Air-borne Synthetic Aperture Radar .................. 1713
Linyu Wang, Yanzia Zhang

Security Architecture and Key Technologies for Power Cloud Computing ......................... 1717
Yun Yang, Lie Wu, Wenping Hu

The Semi-fragile Digital Watermark Embedding Algorithm Based on Second-Generation Wavelet .... 1721
Zhao Xuejun, Kang Yaoyin

A New Parameter Optimization Algorithm of Penicillin Fermentation Model ......................... 1725
Yu Zhu, Jingqi Yuan

Research on a Quasi-Lossless Compression Algorithm Based on Huffman Coding .................. 1729
Ren Weizheng, Wang Haobo, Xu Lianming, Cui Yansong

A Traffic State Identification Method Based on Improved Cloud Model .......................... 1733
Jinhui Lan, Min Guo, Zongshu Lin, Juanjuan Li

Research on Real-time Vibration-insensitive Inspection and Classification Algorithms for Automatic On-line Vision-based Inspector ......................................................... 1737
Jun Chen, Yaonan Wang, Chengzhong Wu, Hui Zhang, Ji Ge, Bowen Zhou, Jianxu Mao

Application of Immune Clustering Algorithm to Analog Circuit Fault Diagnosis .................. 1743
Li Yanfei, Chen Jinzeng, Pang Zhiyang

A Skew Angle Detection Algorithm based on Maximum Gradient Difference ....................... 1747
Dan Wang, Xichang Wang, Jiang Liu

An Algorithm for Computing the Value of Arbitrary Angle Trigonometric Function ............... 1751
Zhou Zhiheng, Wu Dongcheng

An Optimization Method of Long-time Process in Cascading Failure .................................. 1755
Wang Linchuan, Li Ziliang

An effective heuristic algorithm for two-dimensional rectangle-packing problems .............. 1758
Peng Bitao

A Community Detecting Algorithm Based on Local Information ........................................ 1763
Shan Gao, Lijun Zhang, Ge Zheng

Research on Evaluation of College Teachers Based on Support Vector Machine Algorithm .......... 1767
Liu He, Zhang Xiaoxian, Li Dezir*, San Xiaohui, Cao Liying

Study on Mobile Phone Call Monitoring and Positioning and Shielding Algorithms ............... 1771
Li Nianfeng

2SLS Estimation for the GWR-SL Model ................................................................. 1775
Huang yanting, Zhihe Long

An algorithm of decomposing disorder encoding spectrum of HTSI using laser ................... 1780
Caifang Liu, Bingliang Hu, Peng Yan, Qingming Qian, Lei Liu
Sun-II-Session X: Traffic Engineering

An Optimization Technique of Braking Force Distribution Coefficient for Truck ........................................... 1784
Zhao Luhua, Cao Qinggui, Li Yushan , Gao Naixiu

Traffic Safety Assessment between Pedestrian-Automobile near Intersection .............................................. 1788
Hu Liwei, Pei Yulong

The Research on rebuilding the cabin layout model based on the ship's general arrangement drawing ........... 1792
Chen Miao,Han Duanseng

Traffic Management and Control for Emergency Scenes in Dynamic Traffic Environments .................... 1796
Wang Hongde,Wang Shiyu

Predicting Driver Injury Severity in Freeway Rear-End Crashes by Support Vector Machine ................... 1800
Wang Wenfu, Liu Chuan , Chen Dawei

Effects of Exhaust Post-treatment Technology on Diesel Engine Emissions ............................................. 1804
Zou Zhengyu, Liu Jing

Driver’s Characteristic of Speed Perception on Freeway at Night .............................................................. 1808
Wu Lixin, Cheng Guozhu

Research on Method of Village Roads Construction Bidding ................................................................. 1812
Jian Zhang,Tao Xu,Jia Jia,Hongyuan Wang

Research on Effect of Combinative Speed Control Devices Based on Driver Load Questionnaire ........... 1817
Jian Zhang ,Jia Jia,Xiaoming Zhong,Hongyuan Wang

Integrated Decision-making of Resident Travel Mode and Route Based on Prospect Theory ................. 1822
Luo Qingyu, Yang Yinsheng , Sun Baofeng

The impact of ship size on its unit cost ........................................................................................................... 1826
Eliamin Kasembe, Zhao Gang

Study on Traffic Sign Classification for Assessing Sign Comprehension ................................................... 1831
Rong Jian, *Guo Ruili, Wei Zhonghua, Wu Yongyan

Driver’s Characteristic of Distance Identification on Freeway at Night ....................................................... 1836
Cheng Guozhu, Zhang Baonan

Research on agent-based approaches to freight transport scheduling ...................................................... 1840
Zhang Shuxin , Jia Hongfei

The sensitivity analysis of traveler’s cost-susceptibility based on Logit-SUE model ................................ 1844
Zhang Wenyi, Guan Wei, Ma Jihui , Tian Junfang

Emergency supplies’ two transport scheduling model ................................................................................ 1848
Zheng Lu,Luo Sihui

Field Experiment and Numerical Analysis of Bearing Features of CFG Pile Composite Foundation of Expressway ................................................................. 1853
Zhang Hong , Gong Min ,Gao Qian , Liu Youping

Automatic Identification Algorithm for Freeway Bottleneck ..................................................................... 1857
Yulin Bai,Zhuoran Wu,Siyu Sun,Chaonan Wang
<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>A path selection method for traffic accident emergency rescue on expressway network</td>
<td>1861</td>
</tr>
<tr>
<td>Zhao Muhua, Lu Jian, Hu Xiaojian</td>
<td></td>
</tr>
<tr>
<td>MCMC Bayes-Mixed Logit for Corridor Transport Mode Split</td>
<td>1867</td>
</tr>
<tr>
<td>Weiwei Gong, Xi Wang</td>
<td></td>
</tr>
<tr>
<td>The application of job accessibility measure model in China's major cities</td>
<td>1872</td>
</tr>
<tr>
<td>Danwen Bao, Wei Deng</td>
<td></td>
</tr>
<tr>
<td>Study on dynamic evaluation model and its application of urban rail transit sustainable development</td>
<td>1877</td>
</tr>
<tr>
<td>Wang Lixin</td>
<td></td>
</tr>
<tr>
<td>Study on the Fatal Crashes of Rural Roads in Mountainous Area</td>
<td>1881</td>
</tr>
<tr>
<td>Li Jinhai, Wu Lintao, Wu Jingmei, Mi Xiaoyi</td>
<td></td>
</tr>
<tr>
<td>Utility Function of Typical Urban Passenger Traffic Mode Selection</td>
<td>1886</td>
</tr>
<tr>
<td>Wang Shuchun, Wang Wei, Chen Jun, Ma Fei</td>
<td></td>
</tr>
<tr>
<td>The Application of Aesthetic Principles in Effective Car Body Modularization Design</td>
<td>1892</td>
</tr>
<tr>
<td>Fu Liming, Sun Mingyang</td>
<td></td>
</tr>
<tr>
<td>Optimization of online timetable re-scheduling in high-speed train services based on PSO</td>
<td>1896</td>
</tr>
<tr>
<td>Li Jing, Wei Wei, He Yan</td>
<td></td>
</tr>
<tr>
<td>Research on Safety Monitoring and Evaluation System of Dangerous Goods Transportation</td>
<td>1900</td>
</tr>
<tr>
<td>Xinyuan Xiao, Huaijun Li, Yueqi Liu, Qihui Lv</td>
<td></td>
</tr>
<tr>
<td>Research on Method of Traffic Network Bottleneck Identification Based on Max-flow Min-cut Theorem</td>
<td>1905</td>
</tr>
<tr>
<td>DONG Shengwu, ZHANG Yi</td>
<td></td>
</tr>
<tr>
<td>Mathematical Modeling and Simulation of Heavy Equipment about Passing Ability Turning at the Corner</td>
<td>1909</td>
</tr>
<tr>
<td>Ding Tongqiang, Wang Yu, Meng Lin, Zheng Lili, Sun Peng,</td>
<td></td>
</tr>
<tr>
<td>Research on Evaluation Indicator System for Regional Transport Integration</td>
<td>1913</td>
</tr>
<tr>
<td>Deng Huanbin, Zhang Zhihui, Wang Dong</td>
<td></td>
</tr>
<tr>
<td>An Improved Reversible Hiding Method for Multimodal Biometrics</td>
<td>1918</td>
</tr>
<tr>
<td>Jiangyan Dai, Yinghua Lu, Miao Qi, Ling Lu, Qiushuang Wang</td>
<td></td>
</tr>
<tr>
<td>Adaptive research of urban passenger transport hubs transfer organizational model Based on coordination theory</td>
<td>1922</td>
</tr>
<tr>
<td>Wang Zhanzhong, Zong Fang, Jiang Wei</td>
<td></td>
</tr>
<tr>
<td>Study on Identification Method for Key Monitoring Nodes in Comprehensive Transportation Hub</td>
<td>1927</td>
</tr>
<tr>
<td>Yanyan Chen, Guangzhou Zhang, Pingpu Li</td>
<td></td>
</tr>
<tr>
<td>Simulation of Passenger Distribution in Urban Rail Transit in Case of Emergencies</td>
<td>1933</td>
</tr>
<tr>
<td>Li Feng, Xu Ruihuа</td>
<td></td>
</tr>
<tr>
<td>DEA and TOPSIS Combination Model for the Construction Scheduling of Urban Road Projects</td>
<td>1937</td>
</tr>
<tr>
<td>MENG Meng, SHAO Chun-fu</td>
<td></td>
</tr>
</tbody>
</table>
Sun-II-Session XI: Advanced Mechanics and Mechatronics

Observation and Research on Temperature Distribution of Concrete Box Girder in Diurnal Change of Temperature ................................................................. 1941
Qin Yu, Liu Laijun, Tie Mingliang, Zhang Liuyu

A New Family of p-ary Sequences with Low Correlation Constructed from Decimated Sequences ..... 1946
Xia Yongbo

Design and Realization of Multi-function Car-carry Fault Diagnosis System .......................... 1949
Yue Youjun, Li Xiang, Wang Zongqiang, Zong Qun

Monitoring system for cable force state of steeve arch in cold area ........................................... 1953
Yongchun Cheng, Yuping Shi, Guojin Tan, Yin Zhang

The effect of hole shape on fatigue life of bolted connectors ....................................................... 1957
Xu Jianxin, Mi Qixin, Li Dinghe

Optimal design of distributed CCHP system .......................................................... 1961
Liu Ye, Luo Yi

Research on Monitoring and Early-warning Information Storage Based on Semi-Structured Data ..... 1966
Yongchun Cheng, Kun He, Guoheng Li

Boundary element analysis of rolling tire noise .......................................................... 1970
Guolin Wang, Haichao Zhou, Zhujun Mao, Long Gao

Research on Subgrade Deformation Monitoring Technology ............................................. 1974
Wei Haibin, Liu Hanbing, Cheng Yongchun, Zhang Hefeng, An Baoping

4D Durability Information Managing System for RC Structures ......................................... 1978
Bo Diao, Wenpeng Liu, Yinghua Ye

The Analysis on Grades of Fire Smoke Exhausting Robot’s Operation Quality ............................. 1982
Shu Fang, Xinggui Que, Jingxue Jiang, Zhenwei Zhang

Experimental study on the mechanical performance of cement-stabilized macadam reinforced with fiber 1989
Wu Wei, Zhang Chao, Wei Shizhen

Impacts Evaluation of Setting Bus Lanes in Signalized Intersections ....................................... 1992
Yang Qingfang, Zhang Biao

Robust H infinite Control of Dynamic Supply Chain System Based on Networked Manufacturing .... 1996
Xu Liang, Hui Li, Tang Liang

Research on the Relationship between Curvature Radius of Deflection Basin and Stress State on Bottom 2000
of Semi-rigid Type Base
Zhang Zhanhua, Song Jinhua, Che Qingsen

Experimental Study on Stubble-cutting Coulters of Corn No-tillage Seeder .............................. 2004
Xiaohu Bai, Zuli Zhang

Practical Methods to Control Gear Whine in Transmission Manufacturing Process ...................... 2008
Zhou Yi, Zeng Yifan, Wang Zegui, Wei Jiang

Study on Workability of Plastic Fresh Concrete with Machine-made Sand .................................. 2013
Zhao Shunbo, Xu Yangyang, Li Changyong

XXVII
Method of Mix Proportion Design for Concrete with Machine-made Sand
Zhao Shunbo, Ding Xinxin, Li Changyong

An intelligent-based prediction system for incident-induced congestion spreading
Zhang Xiaoli, Peng Hu

An Approach for Calibration and Validation of the Social Force Pedestrian Model
Tang Ming, Jia Hongfei

CAE Study on Dynamic Environments of the off-axis TMA Multi-spectral Remote Sensor
Qixian Geng, Zhou Li

Research of piezoelectric micro angle drive and close-loop control system
Ma Tingting, Qi Yongyue, Zhao Meirong

System Dynamics Model for Structure Configuration of Transportation Corridor
Liu Yingshun, Yu Shijun, Liang Xiantong, Guo Tangyi

Research and application on pneumatic pipe leakage diagnosis technology for freight train
Yang Yingze, Huang Zhiwu, Zhang Tao, Li Shuo

A framework of using OpenFlow to handle transient link failure
Yang Yu, Li Xin, Chen Shanzhi, Wang Yan

Modeling and simulation of loader working device based on SimMechanics
Jianhua Liu, Guojin Chen, Youping Gong, Huirong Chen

Dynamic Responses of Transmission Tower under the Effect of Impact Loads
Qian Xu, Yuan Liu, Zheng Jian, Peng Hu

Control Strategy for the Flexible Roll Forming Machine with the Structure of Double Rack and Single Gear
Sun Wenting, Li Qiang, Qian Bo

Transmission Characteristics of a NLOS Cloud-Scattering Channel
Song Chao, Xu Zhiyong, Wang Jingyun

A New Magnetic field Measurement Based on Polarization Dependent Loss of Reflection Light in Triangular Grating
Ye Zhenxing, Zhu Yong, Su Yang

Numerical Analysis of Amplification Effect of Blasting Vibration during Shallow-buried Urban Tunnel Excavation
Youping Liu, Min Gong, Hong Zhang

Study on Feasibility of the Subgrade Filled with Weathered Phyllite
Mao Xuesong, Zheng Xiaohong, Zhou Leigang, Ma Biao, Liang Jie

Moisture Migration Test Investigation about Subgrade Filled with Different Soil
Mao Xuesong, Ling Side, Kong Lingkun, Zheng Xiaohong

The Research of Dual-path Optical Visibility Measurement Technology
Yunhong Zhao, Jiping Chen, Tao Yu, Ying Zhang, Xingfeng Chen, Liying Hou

An Adaptive Grey Sliding Mode Algorithm for Anti-lock Braking System
Zhaojin Pan, Dawei Zhang, Yan-e Mao, Huang Yang
Performance Study of High Speed Hard Cutting Based on FEM .......................... 2094
Bingchuang Dong, Hongbin Liu, Ge Wang

Numerical calculation of ship wave resistance Based on Linear theory ..................... 2098
Haipeng Zhang, Duanfeng Han

Multi-hull's Optimization Configuration Based on New Slender-Ship Wave Resistance Theory 2102
Haipeng Zhang, Duanfeng Han

Simulation of a two-stroke dimethyl-ether free piston engine operating on HCCI combustion 2106
Xu Tao, Wang Yang

Operating parameter optimization of centrifuge based on APSO-RBF .......................... 2111
Likun Zhou, Hongzhao Liu

‘Oil sludge pure physical treatment process and Parameter Optimization .......................... 2115
Likun Zhou

Research on Improving Unit Thermal Efficiency Based on Absorption Heat Pump by Reducing the Circulating Water Temperature ................................................................. 2119
He Yongbing, Wu Shijing, Wangjixuan

Loop Subdivision Surface Reconstruction with Subdivision Connectivity .......................... 2123
Chen Tiantian, Zhao Gang

A Research of Micro- flexibility Model of Pipe in Pipe Jacking Construction ....................... 2127
Ma Yonghong, Huo Yuxiang, Xu Jianhua

A Novel Way of Gene Regulatory Elements Identifying .................................................. 2130
Liu Wei, Chen Ling

An Improved TFRC Mechanism of Mobile Streaming Media Based on RTCP ....................... 2134
Zheng Tao, Hua Guanping, Yu Feihua

Surface roughness simulation in mechanical engineering .............................................. 2138
Gao Zhao, Liu Guofan

Biological Structure Characteristics Applicated in Mechanical Bionic Design .................... 2142
Zhao Ling, Guo Hongliang, Wang Ting

Synthesis of a Novel Environmental Protection Urea-formaldehyde Resin ....................... 2146
Shen Dejun, Kang Kai, Xue Weili, Chen Weiming, Jiang Yueming

Experimental Study of the Moisture Content Effects on K0 Consolidation properties ............ 2150
Liya Zhao, Baojian Liu, Ran Bi

A Wide-Range Fiber Spectral Instrument Covering in 400 2500nm .............................. 2154
Baohua Zheng, Zhizhong Zheng

Recognition of chatter in boring operations using spindle motor current ...................... 2158
Yang Zhigang, Liu Hongqi, Li Bin, Liu Xiaolong

Simulation Research on the Dual Redundant Directional Valve for Marine Hydraulic Steering Gear 2162
Hu Qixiang, Bai Jiping

A Multisensor Based On Machine Inspection Approach for Freeform Surfaces ................. 2166
Luxi Mu, Zhouping Yin, Youlun Xiong
Study on Optimization of Prospective Track Tension for Reconfigurable Stair-Negotiation Wheelchair.  
Wang Ting, Yu Suyong, Yao Chen, Li Xiaofan, Wang Zhong  

Computational Investigation on Infrared Radiation Characteristic for Two-Dimensional Vectoring Nozzles with Fluidic Injection.  
Guanqun Kang, Qiang Wang  

Scrambling Technology for Restorable Fragile Watermarking.  
Huang Liangyong  

Thermal Performance Analysis of A Novel Compound Parabolic Concentrator Solar Collector.  
GAO Hongyu, WANG Huitao, WANG Hua  

Design of a new automatic and mechanical automatic underground bike park and analysis of its influence  
Li Fanjun, Chen zhaojiong  

The research on stable rising height and harmful rising height of capillary water.  
ZHANG Yichen, ZHANG Xifa, LENG Yifei  

Stress Analysis of Plain Dent on Pipeline Based on FE Calculation.  
Ying Wu  

Seismic Research on High-level Structures Set Tanks of Different Volume.  
Huaide Ding, Yunhe Liu  

Numerical Simulation of Sulfur Transformation during Oil Shale Retorting.  
Qin Hong, Zhang Yazuan, Wang Qing  

Sun-II-Session XII: Signal Processing and control  

Xie Guoliang, Wang Hongxun, Xu Zhongwei Wang Chao  

The Fuzzy Control Algorithm in Copper-coated Aluminum Wire TIG Welding System Application.  
Yu Bai, An Yunlong, Meng Fanrong  

The Research of Steel Tube Defect Signal Denoising Based on PSO Wavelet Threshold.  
Zhou Yilin, Zhang Yuanqi  

Amendment to Traffic Signal Optimization for Transverse Interference.  
Li Min  

LMI-Based H∞ Control for the Active Seat Suspension.  
Zhao Qiang, Chen Yunwei, Yue Yongheng, Mi Lei  

Vehicle Seat Suspension Vibration Reduction Based on CMAC and PID Compound Control.  
Zhao Qiang, Chen Yunwei, Peng Haisheng  

Research on a Support-Vector-Machine-Based Variable Speed Limits Control Model.  
Wei Wang, Wei Xu, Zhaosheng Yang, Dingxuan Zhao  

A Novel Anti-collision Protocol in Adaptive Framed Slotted Aloha about RFID Tags.  
Deng Zhongting, Wu Haifeng, Liu Jing, Tan Yuan  

Cultural Algorithm with Double Populations for FIR Digital Filter Design.  
Xuzhen Zhang, Zhiwen Cao, Pingui Jia
Creep characteristic analysis of asphalt concrete based on the modified Burgers model
Yongchun Cheng, Qinglin Guo, Guojin Tan

Dynamic Analysis about the Beams of Cantilever Screen
Chuanguang Ding, Fangzhen Song, Bo Song

Rigid Mode and Harmonic Response Analysis of Three-body Vibrating Screen
Chuanguang Ding, Fangzhen Song, Bo Song

Speech extraction method based on multiple reference signals ICA algorithm
Qingyun Wang, Hui Zong, Liye Zhao

Morphology of broken vehicle windshield glass based on image processing
Jie Zhang, Chuanjiao Sun, Jiangyang Gao

Study on Image Denoising Method Based on An Adaptive Total Variation Model
Li Dongming, Zhang Lijuan

CCD Camera Linear Calibration Method with a Feature Of Calibration Plate
Li Dongming, Zhang Lijuan

Extended Kalman Filter Based Load-angle Detection and Control for IPMSM
Bingqiang Li, Hui Lin, Hualing Xing

An Ultrasonic Testing Method of Multi-layer Adhesive Joint Based on Wavelet Analysis
Zhang Chengji, Yu Chunhua, Chen Jianhui

Application of grey correlation method in Wireless Sensor Networks
Jing Chen, Xiaoping Liu

Fuzzy Control and Simulation of a New Semi-Active Suspension
Gongyu Pan, Fangqiang Fan

The Pose Real-time Solution and Control of the 6-Dof Loading Platform for Bogie Test
Liu Yumei, Cao Xiaoning, Su Jian, Wang Li, Guo Wencui

Static and Dynamic Characteristics Analysis for the Gantry Framework of Bogie Parameters Determination Test Bench
Yumei Liu, Xiaoning Cao, Jian Su, Meng Li, Hongguang Ren

An improved method for improving DSSS signal PN code phase measurement
Liu Hong, Liu Liangkai, Cheng Jian, Zhou Jie

Fast Calculation of Complex Curve Setting Out Elements And It’s Application
Baoxing Zhou, Jianping Yue

NEMO Route Optimization for Aeronautical Passenger Communications
Yue Liu, Jinglin Li, Hai Zhang

Design of Broadband Adaptive Array Based on DFT Interpolation Method
Zhu Weijie

A New Method for Multi-Focus Image Fusion Using Countourlet Transform
Wang Xin, Li Yingfang

An Effective Infrared and Visible Image Fusion Algorithm Restraining Noise
Wang Xin, Li Gaohue, Yu Weibo, Yang Limei, Xu Zhongyu
Partial Discharge Signal Feature Extraction based on Hilbert-Huang Transform .......................... 2398
Ning Hao, Zhuo Dong

‘Condition Assessment of Current Transformer Based on Multi-classification Support Vector Machine
Ning Hao, Zhuo Dong

Study on Fuzzy-neuro Immune Self-adaptive PID Controller for Pipe Racking System .......................... 2406
Jiang Zuzhou, Cai Dawei

Dynamic Collision Avoidance of Mobile Robot Based on Velocity Obstacles .............................. 2410
Xunyu Zhong, Xiafu Peng, Jiehua Zhou

Mobile Robot Teleoperation System Based on Remote Reality .............................. 2414
Xunyu Zhong, Xiafu Peng, Jiehua Zhou

Brief Analysis of Application of RFID in Pharmaceutical Cold-chain Temperature Monitoring System
Li Panjun, Chen zhaojiong

Study of An New Signal Processing Algorithm for Satellite Receiver Based on STAP ............................ 2421
Wanyou Liao, Jianhong Xiang

Key Technique of Video Index Based on Scenario Segmentation and Content Indexing
Hua Liu

A Bluetooth Toy Car Control Realization by Android Equipment .............................. 2429
Jianping CAI, Jianzhong WU, Minghui WU, Meimes HUO

A Robust R-Wave Detection algorithm in ECG Signal .............................. 2433
Li Yongting, Chen Xiaoyan

A Numerical Method for Vertical Control Function of Internal Wave in a Stratified Fluid ............................ 2437
Ding Yongjiag, Chen Biao

HBS and HFS Feature Selection Methods for Chinese Folk Music Classification ............................ 2441
Hui Song, Ke Sun, Baiyan Li, Xiaoqiang Liu

Transit Network Design Using Improved Tabu Search .............................. 2445
Zhang Yan

Macroblock Level Rate Control of SVC Spatial-SNR Scalability .............................. 2449
Yansong Cui, Weizheng Ren, Jianming Huang, Zhifeng Chang

Application of Discrete-time Signal Processing In Astronomical Researches ............................. 2454
Xiaopan Li, Yuhui Luo, Li Zhang, Wenliang Wu, Yuqiong Shan, Lisha Wang

Distributed Estimation of LMS Adaptive Consensus Filter for Aggregation over Sensor Networks ............................. 2458
Chai Xuchao, Lu Guangyue, Li Yue, Wang Dong

Embedded Implementation of Real-time Skin Detection System .............................. 2463
Guangdong Liu, Zhongke Shi

Recognition Of Digital Modulation Signals Based On Statistical Parameters ............................. 2467
Panfeng Sun, Zhiwei Zheng, Man Li

Application of Three-Degree-of-Freedom Intelligent IMC in the temperature control system of FC Multi-chamber Calcinator ............................. 2471
WenminU, Zhugang YUAN
Fast and Low-cost Discovery of Spectrum Opportunities Based on Proper Sensing Interval

Nan Xia

The application of wavelet transformation in pulsar signal denoising

Liangquan Jia, Zhengwen Sun, Yong Chen, Sixiu Wang

A Novel Method of Video Key Frames Extraction Based on TMOF

Xiaohua He, Jian Lin

Wavelet-based Method for Weak Satellite Signal Acquisition

Nana Lei, Hao Zhu, Jianyong Cui

Object-oriented Information Extraction of High Resolution Imagery Based on Multi-Classifier Fuzzy Integration

Yu Zeng, Jixian Zhang, Guangliang Wang, J.L. van Genderen

Network-Based H∞ infinite Output Tracking Control for Systems with Time-Varying Bounded Delay

Wei Chen, Qing Wang, Yingxin Zhang, Chaoyang Dong

An Improved Feature Extraction Algorithm of Humming Music

Dachuan Wei

Recognition Algorithm of Musical Chord Based on Keynote-Dependent HMM

Dachuan Wei

Shallow Water Inhomogeneous Distribution of Acoustic Field in Radiated Noise Measurement

Hu Pengtao, Zhang Fusheng, Yang Desen

An Improved Color-Based Tracking by Particle Filter

Zhiyuan Han, Tingrong Xu, Zhaohua Chen

Modeling of Pedestrian Dynamics on Central Refuge Island of Signalized Two-stage Midblock Pedestrian Crossing

Wanjing Ma, Yan Lu

Analysis of Fiber Bragg Gratings Reflective Spectrum under Ultrasonic Excitation

Lijun Meng, Yuegang Tan

A method for image encryption based on chaotic matrix invertibility

Rui Sun, Xiaodong Wang, Naiqin Zhang, Zaixiang Pang, Wei Zhang

An Image Retrieval Method about Ancient Chinese Characters within Local Area

Tian Xuedong, Huang Ju, Yang Fang, Ha Yan

Unbiased H∞ infinite Filtering For A Class Of Multiple Time-varying Delays System

Wang Xinmei, Wei Wu

Image Filtering Using Weighted Curvature-Preserving PDE

Zheng Yuhui

Research on the Quasi-Equilibrium Assignment Method Considering Signal Intersection Delay and Link Interaction

Peng Gao, Zhaosheng Yang

Bearing Fault Diagnosis Based On Improved LMD

Zhang Junhong, Liu Yu
Analysis of Total Passager Delay at Signal Coordinated Intersection based on Green Extension Strategy  
Niu Xueqin, Zhao Ziran, Zhang Tong, Liu Bohang  
2548

An Optimized Signal Timing of Transit Signal Priority on Early Green Control Strategy  
Niu Xueqin, Cao Huijian, Zhang Tong, Zhao Ziran  
2552

A Multi-confidence Feature Combination Rejection Method for Robust Speech Recognition  
Zhao Junfeng, Zhu Yeping  
2556

Networked Control Systems Based on Internal Model Control  
Li Jinyu, Du Feng, Zhang Yu, Ren Jia, Zhou Hui  
2560

Author Index