

# **2021 International Conference on Information Control, Electrical Engineering and Rail Transit (ICEERT 2021)**

**Virtual Conference  
30 October – 1 November 2021**



**IEEE Catalog Number: CFP21BC0-POD  
ISBN: 978-1-6654-3818-6**

**Copyright © 2021 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:	CFP21BC0-POD
ISBN (Print-On-Demand):	978-1-6654-3818-6
ISBN (Online):	978-1-6654-3817-9

**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](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

CURRAN ASSOCIATES INC.  
**proceedings**  
.com

# 2021 International Conference on Information Control, Electrical Engineering and Rail Transit (ICEERT) **ICEERT 2021**

## Table of Contents

Preface .....	xiv
Committee Members .....	xv
Reviewers .....	xvi

### Big Data Information Control and Smart Grid Application

Simulation Method for Multiperiod Panoramic Operation of New Energy Power System in Complex Environment .....	1
<i>Xin Zhang (Economic &amp; Technical Research Institute of SEPC of SGCC, China)</i>	
Application of Micro Power Wireless Temperature Sensor in Condition Monitoring of Power Transmission and Transformation Equipment .....	5
<i>Jing Xu (Shenyang University of Technology, China), Shuxin Liu (Shenyang University of Technology, China), Zhengwen Li (State Grid Liaoning Electric Power Supply Co., Ltd., China), Yanran Zou (Shenyang University of Technology, China), and Zhu Zhou (Shenyang University of Technology, China)</i>	
A Study on Optimization of SMT Machine--Based on Ant Colony Algorithm .....	9
<i>Huahui Chen (Xiamen University of Technology, China) and Hongyi Zhang (Xiamen University of Technology, China)</i>	
Research on Gata Clamp Active Clamp Circuit Based on SiC MOSFET Drive .....	14
<i>Yi Hao (Global Energy Interconnection Research Institute Co., Ltd., China), QingPing Li (Global Energy Interconnection Research Institute Co., Ltd., China), YunFei Xu (Global Energy Interconnection Research Institute Co., Ltd., China), and WeiGuo Li (Global Energy Interconnection Research Institute Co., Ltd., China)</i>	
Research on the Individualization of Human-Computer Interaction Through Socially Sensitive Learning .....	19
<i>Xuebin Zhu (Guangdong Polytechnic of Science and Technology, China), Zhoulin Wang (Guangdong Polytechnic of Science and Technology, China), Jiang Su (Guangdong Polytechnic of Science and Technology, China), and Zhenghong Yu (Guangdong Polytechnic of Science and Technology, China)</i>	
Research on the Real-Time Performance of CAN Bus Based on 4WID New Energy Bus Network .....	24
<i>Chen Zhang (Dongying Vocational Institute, China)</i>	

Fault Early Warning Model of Power Metering Automatic Verification Assembly Line Based on Residual Neural Network .....	29
<i>Xiaoze Liu (State Grid Liaoning Marketing Service Center, China), Jiarui Sui (State Grid Liaoning Marketing Service Center, China), Jianbo Zhao (State Grid Liaoning Marketing Service Center, China), Chao An (State Grid Liaoning Marketing Service Center, China), and Yanjiao Cai (State Grid Liaoning Marketing Service Center, China)</i>	
Edge Computing in Smart Hydropower Station: Noise Suppression for Condition Monitoring .....	33
<i>Yuanlin Luo (Power China Huadong Engineering Corporation Limited, China; Zhejiang University, China), Minhua Chen (Power China Huadong Engineering Corporation Limited, China; Zhejiang University, China), Yuechao Wu (Power China Huadong Engineering Corporation Limited, China), and Bo Zheng (Power China Huadong Engineering Corporation Limited, China)</i>	
Research On Risk Assessment Of UAV To Buildings .....	37
<i>Qiang Zhou (Beihang University, China) and Mutian Xu (Beihang University, China)</i>	
On Line Monitoring Method of Operation Environment Safety for Substation Maintenance .....	41
<i>Yao Jing (Maintenance Branch of State Grid Anhui Electric Power Co., Ltd., China), Liangjie Weng (Maintenance Branch of State Grid Anhui Electric Power Co., Ltd., China), Yu Han (Maintenance Branch of State Grid Anhui Electric Power Co., Ltd., China), Xiongqi Wang (Maintenance Branch of State Grid Anhui Electric Power Co., Ltd., China), Dayong Guo (Maintenance Branch of State Grid Anhui Electric Power Co., Ltd., China), and Gang Huang (Maintenance Branch of State Grid Anhui Electric Power Co., Ltd., China)</i>	
Optimizing Stencil Codes with Exploiting Data Reuse .....	45
<i>Xu Chang (National University of Defense Technology, China), Li Shen (National University of Defense Technology, China), and Qiong Wang (National University of Defense Technology, China)</i>	
Study on the Characteristics of Hybrid Ionized Field Under Different Transmission Line Structures .....	55
<i>Leilei Wang (State Grid Henan Electric Power Corporation Electric Power Research Institute, China), Songyang Zhang (State Grid Henan Electric Power Corporation Electric Power Research Institute, China), Zhongju Yang (Chongqing University, China), Donghui Wang (State Grid Henan Electric Power Corporation Electric Power Research Institute, China), Zhihui Fen (State Grid Electric Power Research Institute Wuhan Nanrui Co., LTD, China), Hao Yang (Chongqing University, China), and Fan Yang (Chongqing University, China)</i>	
Hybrid Energy Storage Power Allocation Based on Moving Average Filtering and VMD .....	60
<i>Mengzhao Zhang (North China Electric Power University, China), Chunlin Guo (North China Electric Power University, China), Teng Fang (North China Electric Power University, China), and Wenkai Li (North China Electric Power University, China)</i>	

Line Defect Image Aided Recognition Method for Power Communication Operation Inspection .....	66
<i>Zhiping Wei (ChongZuo Power Supply Bureau of Guangxi Power Grid Co., Ltd., China), Guanghui Su (ChongZuo Power Supply Bureau of Guangxi Power Grid Co., Ltd., China), Zhijun Chen (ChongZuo Power Supply Bureau of Guangxi Power Grid Co., Ltd., China), Xueyan Li (ChongZuo Power Supply Bureau of Guangxi Power Grid Co., Ltd., China), Xiuhao Fang (ChongZuo Power Supply Bureau of Guangxi Power Grid Co., Ltd., China), and Zhangfeng Deng (ChongZuo Power Supply Bureau of Guangxi Power Grid Co., Ltd., China)</i>	
Research on UAV Conflict Resolution Based on Dynamic Conflict Detection Model .....	70
<i>Qiang Zhou (Beihang University, China) and Guobao Cheng (Beihang University, China)</i>	
Research on Transfer Metering Technology of Water Bearing Crude oil .....	75
<i>Xuemei Chen (Engineering Technology Research Institute of Huabei Oilfield Company, China), Yiwei Song (China Petroleum Engineering &amp; Construction Corp, China), Jing Zhou (The Second Exploitation Factory Of Huabei Oilfield Company, China), Limin Liu (Engineering Technology Research Institute of Huabei Oilfield Company, China), Yang Sun (Engineering Technology Research Institute of Huabei Oilfield Company, China), and Yangqing Liu (The Second Exploitation Factory Of Huabei Oilfield Company, China)</i>	
Anti-Heat-Interference Test of Thermal Imaging Video Fire Detector .....	79
<i>Chen Zhong (Shenyang Fire Science and Technology Research Institute of MEM, China), Zhijia Tian (Shenyang Fire Science and Technology Research Institute of MEM, China), Zuoli Liu (Shenyang Fire Science and Technology Research Institute of MEM, China), and Yu Zhao (Shenyang Fire Science and Technology Research Institute of MEM, China)</i>	
Comprehensive Energy Efficiency Rating Evaluation Model of Enterprise Power Based on Grid Big Data .....	83
<i>WenHao Yan (State Grid Customer Service Centre, China), Fan Jiang (State Grid Customer Service Centre, China), AiSheng Liu (State Grid Customer Service Centre, China), JingLong Xu (Beijing China Power Information Technology Co., Ltd., China), and SiYu Zhang (State Grid Customer Service Centre, China)</i>	
Reliability Analysis of Decentralized Autonomous Dispatching Centralized Station Subsystem Based on Fault Tree .....	87
<i>Jiawei Wang (Lanzhou Jiaotong University, China) and Baodi Xiao (Lanzhou Jiaotong University, China)</i>	
Design and Effect Analysis of Wireless Energy Transmission Device for Electric Vehicle .....	91
<i>Mingxing Xiong (Jinan University, China), Dianxiang Liu (Jinan University, China), Zeheng Zhang (Jinan University, China), and Weihua Li (Jinan University, China)</i>	

Substation Integrated Information Processing System Based on Multi-Channel Video and Voiceprint Intelligent Recognition .....	95
<i>Shimulin Xie (State Grid Info-Telecom Great Power Science And Technology Co., Ltd, China), Xiao Liao (State Grid Information and Communication Group Co., Ltd, China), Xiang Zhang (State Grid Info-Telecom Great Power Science And Technology Co., Ltd, China), Xingtao Wang (State Grid Information and Communication Group Co., Ltd, China), Min Jin (State Grid Information and Communication Group Co., Ltd, China), Xujie Liu (State Grid Info-Telecom Great Power Science And Technology Co., Ltd, China), and Zeyi Tang (State Grid Info-Telecom Great Power Science And Technology Co., Ltd, China)</i>	
Dynamic Path Planning for AGV Based on Tent Chaotic Sparrow Search Algorithm .....	100
<i>Yuchen Yang (Shanghai DianJi University, China), Jun Liu (Shanghai DianJi University, China), Qingdong Wang (Shanghai Electric Group, China), and Sen Yang (Shanghai DianJi University, China)</i>	
Intelligent Video Surveillance Method for Digital Substation Based on Background Difference .....	105
<i>Fuhong Chang (State Grid Xuchang Electric Power Supply Company, China), Qi Li (State Grid Xuchang Electric Power Supply Company, China), Yuanyuan Wang (State Grid Xuchang Electric Power Supply Company, China), and Wenfeng Zhang (State Grid Xuchang Electric Power Supply Company, China)</i>	
Research on Insulator Detection Method Based on Scene Recognition .....	109
<i>Zhimin Li (Chongqing University, China), Fan Yang (Chongqing University, China), Tian Tan (Chongqing University, China), Xu Lu (Shenzhen Power Supply Bureau Co., Ltd., China), and Jie Tian (Shenzhen Power Supply Bureau Co., Ltd., China)</i>	
Research on Infrared Image Segmentation Technology of Transmission Equipment Based on Local area Medoidshift Clustering Algorithm .....	114
<i>Biwu Yan (State Grid Electric Power Research Institute, China), Tao Li (State Grid Electric Power Research Institute, China), Yifan Guo (State Grid Zhejiang Electric Power Company, China), and Mengshi Zhao (State Grid Zhejiang Electric Power Company, China)</i>	
Research on Deep Control Simulation of Small UUV Based on Pan-Boolean PID .....	119
<i>Meng Zhang (Shanghai Polytechnic University, China), Jin Chen (Shanghai Polytechnic University, China), and Liang Wang (Wuhan Huahai Chuangzhi Technology Co., Ltd, China)</i>	
Research on Intelligent Transformer Differential Protection System Based on "Plug and Play" .....	123
<i>Ya Xing (State Grid Ningxia Electric Power Company Training Center, China), Feng Hou (State Grid Ningxia Electric Power Company Training Center, China), Peitao Wu (State Grid Ningxia Electric Power Company Training Center, China), Yanrong Mao (State Grid Ningxia Electric Power Company Training Center, China), Song Yin (State Grid Ningxia Electric Power Company Training Center, China), and Yingyu Wang (Beijing Kedong Power Control System Co., Ltd., China)</i>	

Analysis of Influence of Natural gas Modeling on the Optimization of Electric-gas Integrated System .....	130
<i>Yun Gao (State Grid Chongqing Electric Power Company Jiangjin Power Supply Branch, China), Aijun Zou (State Grid Chongqing Electric Power Company Jiangjin Power Supply Branch, China), Jie Mu (State Grid Chongqing Electric Power Company Marketing Service Center, China), Ruolin Tao (State Grid Chongqing Electric Power Company Jiangjin Power Supply Branch, China), Xiaobo Wu (State Grid Chongqing Electric Power Company Jiangjin Power Supply Branch, China), Xixiang Xie (State Grid Chongqing Electric Power Company Jiangjin Power Supply Branch, China), Hao Wang (State Grid Chongqing Electric Power Company Jiangjin Power Supply Branch, China), and Yue Zhang (State Grid Chongqing Electric Power Company Jiangjin Power Supply Branch, China)</i>	
Simulation of Electromagnetic Field Distribution and Coupling Effect of Overhead Transmission Line Based on MEMS Technology .....	138
<i>Ke Zhou (Electric Power Research Institute of Guangxi Power Grid Co., Ltd., China), Xiaoming Wang (Electric Power Research Institute of Guangxi Power Grid Co., Ltd., China), Xiangyu Lin (Electric Power Research Institute of Guangxi Power Grid Co., Ltd., China), Hongdi Sun (China Southern Power Grid Digital Power Grid Research Institute Co., Ltd., China), and Zhong Liu (China Southern Power Grid Digital Power Grid Research Institute Co., Ltd., China)</i>	
Reverse Short Distance Measurement Method of Grounding Resistance of Large Grounding Grid .	144
<i>Jian Huang (Yunnan Power Grid Limited Liability Company, China), Peng He (Yunnan Power Grid Limited Liability Company, China), Cheng Feng (Yunnan Power Grid Limited Liability Company, China), ZiHao Wang (Yunnan Power Grid Limited Liability Company, China), and LiWei Yuan (Yunnan Power Grid Limited Liability Company, China)</i>	
Design of a Grounding Grid Corrosion Detection Device Based on the Electrical Network Method .....	148
<i>Qingming Duan (Jilin University, China), Shanshan Li (Jilin University, China), Xiaofeng Yi (Jilin University, China), and Hailan Song (Changchun Polytechnic, China)</i>	
An Instantaneous Frequency Identification Algorithm for the Dynamic Frequency Signals in Power System .....	158
<i>Xuanren Meng (Electric Power Research Institute of Guangxi Power Grid Co., China), Mosi Liu (Electric Power Research Institute of Guangxi Power Grid Co., China), Xiaoming Wang (Electric Power Research Institute of Guangxi Power Grid Co., China), and Zhiyuan Sun (Electric Power Research Institute of Guangxi Power Grid Co., China)</i>	
Research on Dynamic Pricing Strategy of Electricity Retailers Considering Renewable Energy Quota System .....	166
<i>Zhonghua Xie (Jiangxi Electric Power Trading Centre Co., LTD, China), Gang Chen (Jiangxi Electric Power Trading Centre Co., LTD, China), Min Liu (Jiangxi Electric Power Trading Centre Co., LTD, China), Yunhe Zhong (Nanchang University, China), Zijing Zhang (South China University of Technology, China), Dunnan Liu (North China Electric Power University, China), Zhixin Dong (North China Electric Power University, China), and Hua Li (North China Electric Power University, China)</i>	

# Intelligent Rail Transit and Road Signal Control

On Compaction Construction Technology of Subgrade and Pavement in Highway Engineering ....	172
<i>Weidong Li (Haizwei Engineering Construction Co., Ltd.)</i>	
Pose Estimation of Building Fire-Fighting Facilities using Structural Constraint Measurement System .....	176
<i>Chen Zhong (Shenyang Fire Science and Technology Research Institute of MEM, China), Hao Qiu (Harbin Institute of Technology, China), Yu Chen (Neusoft HiFly Medical Technology Co., Ltd, China), and Qiang Yang (Northeastern University, China)</i>	
Automated Driving Transmission Model of Mixed Traffic flow and Simulation .....	180
<i>Yulin Lu (Dalian University of Technology, China) and Li Yang (Dalian University of Technology, China)</i>	
Research on Fault Diagnosis of Tuning Area of Jointless Track Circuit Based on PSO-SVM .....	185
<i>Shuai Wang (Lanzhou Jiaotong University, China), Junting Lin (Lanzhou Jiaotong University, China), Jinchuan Chai (China Academy of Railway Sciences Corporation Limited, China), Weifang Wang (Xinjiang Railway Vocational and Technical College, China), Huadian Liang (Lanzhou Jiaotong University, China), and Endong Liu (Lanzhou Jiaotong University, China)</i>	
Research on Price Adjustment Strategy of General Speed Railway Based on Price Elasticity of Demand .....	191
<i>Yang Liu (Beijing Jiaotong University, China) and JunFang Jia (Beijing Jiaotong University, China)</i>	
Research on Highway Environmental Protection System and Carbon Footprint Based on Full Process Management Theory .....	196
<i>Xin Zhou (Jiangsu Provincial Transportation Engineering Construction Bureau, China), Cheng Du (Jiangsu Middle Road Engineering Technology Research Institute Co., Ltd., China), Yousen Yang (Jiangsu Middle Road Engineering Technology Research Institute Co., Ltd., China), Zhun Ming (Jiangsu Middle Road Engineering Technology Research Institute Co., Ltd., China), Xi Hai (Jiangsu Middle Road Engineering Technology Research Institute Co., Ltd., China), and Jianwen Gao (Jiangsu Middle Road Engineering Technology Research Institute Co., Ltd., China)</i>	
Research on the Applicability of Localization of DKZ13 Electric Train Traction System on Beijing Subway Line 5 .....	203
<i>Chang Liu (Beijing Subway Operation Corporation Ltd., First Branch, China), Dong Wang (CRRC Qingdao Sifang Rolling Stock Research Institute Co., Ltd, China), and Yuchen Wang (Beijing Subway Operation Corporation Ltd., First Branch, China)</i>	
Feature Extraction and Classification of Partial Discharge Signal in GIS Based on Hilbert Transform .....	208
<i>Lingliang Zhou (Chongqing University, China), Fan Yang (Chongqing University, China), Yuchen Zhang (Chongqing University, China), and Shiyong Hou (Chongqing University, China)</i>	



Study on Construction Safety Risk of Operating Railway Line .....	214
<i>Yuanding Cui (Lanzhou Jiaotong University, China) and Xuelei Meng (Lanzhou Jiaotong University, China)</i>	
Analysis on the Selection and Maintenance of Shipborne Video Surveillance System .....	224
<i>Shuanglin Deng (China Satellite Marine Monitoring, China) and Xiaozhao Xing (China Satellite Marine Monitoring, China)</i>	
Study on Dynamic Route Guidance Method of Urban Construction area Under Vehicle-Network Environment .....	229
<i>Wenhui Lu (Lanzhou Jiaotong University, China), Yalong Qiu (China Construction Third Engineering Bureau Group Co., Ltd., China), and Fenlan Liu (Lanzhou Jiaotong University, China)</i>	
Field of View and Its Design for the Autonomous Driving System of Tram .....	236
<i>Kui Yuan (Shanghai Fuxin Intelligent Transportation Solutions Co., Ltd., China), Yonghui Zhu (Shanghai Fuxin Intelligent Transportation Solutions Co., Ltd., China), Yingying Wu (Shanghai Fuxin Intelligent Transportation Solutions Co., Ltd., China), and Xiao Liang (Shanghai Fuxin Intelligent Transportation Solutions Co., Ltd., China)</i>	
Urban Rail Transit Line and Station Planning Optimization Based on GIS: Take Haikou City as an Example .....	240
<i>Yang Zhao (Nanjing University of Information Science and Technology, China), Jialu Xu (Nanjing University of Information Science and Technology, China), and Jingqiu Yin (Nanjing University of Information Science and Technology, China)</i>	
Carbon Emission Calculation and Scenario Analysis of Urban Passenger Transport in Nanjing .....	248
<i>Xin Zhou (Jiangsu Provincial Transportation Engineering Construction Bureau, China), Cheng Du (Jiangsu Middle Road Engineering Technology Research Institute Co., Ltd., China), Yousen Yang (Jiangsu Middle Road Engineering Technology Research Institute Co., Ltd., China), Zhun Ming (Jiangsu Middle Road Engineering Technology Research Institute Co., Ltd., China), Haisheng Liu (Jiangsu Middle Road Engineering Technology Research Institute Co., Ltd., China), and Jianwen Gao (Jiangsu Middle Road Engineering Technology Research Institute Co., Ltd., China)</i>	
Design of a Core Software Development Platform for Railway Vehicles .....	253
<i>Wei Fan (CNR Changchun Railway Vehicles Co., Ltd, China)</i>	
Thesis Comparison and Application Research on the Standards of " Fitness-For-Service" of Rail Vehicles .....	257
<i>Bo Xu (Shanghai Railway Certificate Group Co., Ltd., China), Shan Huang (National Innovation Center of High Speed Train, China), Guangyou Mu (Shanghai Railway Certificate Group Co., Ltd., China), Tao Zhang (National Innovation Center of High Speed Train, China), Zezhou Wu (Shanghai Railway Certificate Group Co., Ltd., China), and Xinglong Liu (National Innovation Center of High Speed Train, China)</i>	
Research on Key Technologies of Intelligent Repair of Running Gear of Urban Rail Vehicles .....	267
<i>Shiming Huang (China Railway Siyuan Survey and Design Institute Group Co., Ltd., China) and Jing Wang (Chengdu Shengkai Co., Ltd., China)</i>	

Analysis of Driving Characteristics of Drivers with Different car Following Styles .....	276
<i>Aihong Lyu (Xianyang Normal Univesity Vocational and Technical College, China), Zhurang Zhang (Xianyang Normal Univesity Vocational and Technical College, China), Yazhuan Zhao (Xianyang Normal Univesity Vocational and Technical College, China), and Yali Zhang (Chang'an University, China)</i>	
Research on Intelligent Diagnosis of Railway Turnout Based on FastDTW Under Big Data Monitoring .....	283
<i>Yuxin Gao (Beijing Jiaotong University, China), Yong Yang (China Academy of Railway Sciences Corporation Limited, China), Yuan Ma (China Academy of Railway Sciences Corporation Limited, China), and Weixiang Xu (Beijing Jiaotong University, China)</i>	
Fault Diagnosis of CBTC On-Board Equipment Based on Improved GA-BP .....	287
<i>Endong Liu (Lanzhou Jiaotong University, China), Junting Lin (Lanzhou Jiaotong University, China), Weifang Wang (Xinjiang Railway Vocational and Technical College, China), Jinchuan Chai (China Academy of Railway Sciences Corporation Limited, China), Shuai Wang (Lanzhou Jiaotong University, China), and Huadian Liang (Lanzhou Jiaotong University, China)</i>	
Determning Feasible Region of Tie-Line Transmission Considering Converter Station .....	292
<i>Xuan Fan (State Grid Chongqing Economic Research Institute, China), Lili Wen (State Grid Chongqing Economic Research Institute, China), Caoyang Cheng (Chongqing University, China), Qian Zhou (State Grid Chongqing Electric Power Company, China), Li Fan (State Grid Chongqing Economic Research Institute, China), Yuan Zhu (State Grid Chongqing Electric Power Company, China), Honhjie Yu (State Grid Chongqing Economic Research Institute, China), Piao Du (State Grid Chongqing Economic Research Institute, China), and Xinxin Fang (Chongqing University, China)</i>	
Research on Filed Investigation Techniques for Storage and Transportation Accidents of Hazardous Goods in Ports .....	298
<i>Lili Jiang (China Waterborne Transport Research Institute, China), Chao Han (China Waterborne Transport Research Institute, China), and Fengyun Chen (China Waterborne Transport Research Institute, China)</i>	
Intelligent Management and Data Platform Architecture on Important Parts of Rail Vehicles .....	303
<i>Jiewei Du (National Innovation Center of High Speed Train, China), Xuhe Zhan (National Innovation Center of High Speed Train, China), Tao Zhang (National Innovation Center of High Speed Train, China), Taimu Jin (National Innovation Center of High Speed Train, China), and Minghua Zhao (National Innovation Center of High Speed Train, China)</i>	
Review of Digital Twin for Intelligent Transportation System .....	309
<i>Lixia Bao (Shanghai Urban Construction Design and Research Institute Group Co., Ltd., China), Qiulan Wang (Shanghai Urban Construction Design and Research Institute Group Co., Ltd., China), and Yan Jiang (Shanghai Urban Construction Design and Research Institute Group Co., Ltd., China)</i>	

The Research on Trafficability of Large-Sized Vehicles at Small-Radius Curves in Myanmar Pale - Gangaw Road .....	316
<i>Hongqing Yang (Research Institute of Highway Ministry of Transport, China), Sui Chao (Research Institute of Highway Ministry of Transport, China), Baiyan Gong (Research Institute of Highway Ministry of Transport, China), and Wei Li (Research Institute of Highway Ministry of Transport, China)</i>	
<b>Author Index .....</b>	<b>321</b>