

International Conference on Traffic and Transportation Engineering and Management (TTEM2019)

IOP Conference Series: Materials Science and Engineering
Volume 792

Guangzhou, China
20 - 22 December 2019

ISBN: 978-1-7138-2670-5
ISSN: 1757-8981

Printed from e-media with permission by:

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



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

This work is licensed under a Creative Commons Attribution 3.0 International Licence.
Licence details: <http://creativecommons.org/licenses/by/3.0/>.

No changes have been made to the content of these proceedings. There may be changes to pagination and minor adjustments for aesthetics.

Printed with permission by Curran Associates, Inc. (2021)

For permission requests, please contact the Institute of Physics
at the address below.

Institute of Physics
Dirac House, Temple Back
Bristol BS1 6BE UK

Phone: 44 1 17 929 7481
Fax: 44 1 17 920 0979

techtracking@iop.org

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
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

AN ASSESSMENT OF MODES OF PASSENGER TRANSPORTATION IN BEIJING: PROBLEMS AND SOLUTIONS	1
<i>Haibin Zhao</i>	
ANALYSIS AND THINKING OF URBAN TRANSPORTATION PLANNING AGAINST THE BACKDROP OF MULTI-PLANNING INTEGRATION	8
<i>Yixiao Yin, Zhong Guo, Yuanwu Tang</i>	
APPLICATION OF GREY SYSTEM THEORY IN PREDICTION OF ACCIDENT PRONE SEA AREA	14
<i>Wang xi-kun, Wang yi-xin, Xu you-hao</i>	
RISK HIERARCHY ANALYSIS OF INTERNATIONAL RAILWAY CONTAINER TRANSPORTATION	19
<i>Ling Gao, Kaixin Chen</i>	
THE ANALYSIS AND MODEL OF AC SWITCH INDICATION CIRCUIT	27
<i>Zhang Lu</i>	
ESTABLISHMENT OF CRITERIA FOR DETERMINING PREVENTIVE MAINTENANCE REQUIREMENTS OF CEMENT PAVEMENT	33
<i>Chen Qiqi, Wang Guanhu, Long Xiaoyong, Lei Jichao</i>	
RESEARCH ON THE GOVERNANCE OF PARENT-SUBSIDIARY COMPANY UNDER THE MIXED OWNERSHIP MODE	40
<i>Ye Zhu, Wei Jiang, Xinyu Shi, Yuntian Dai</i>	
OPTIMIZATION OF DISTRIBUTION PATH FOR COMMUNITY GROUP BUYING CONSIDERING CUSTOMER SATISFACTION	46
<i>Yong Wang, Wei Qiu</i>	
THE FORWARD FUSELAGE RIGIDITY DESIGN BASED ON SENSITIVITY ANALYSIS OF THE AIRCRAFT	50
<i>Mingchun Wang, Haimeng Zhao, Xin Hao, Shanlin Sun, Ruilan Chang</i>	
AN ACCURATE AND FAST DETECTION METHOD FOR RAILWAY LIGHTNING PROTECTION COMPONENT	56
<i>Suining Wu, Bin Li, Zhixin Wang, Xiaoguang Chen, Long Shi, Shulin Tan</i>	
RESEARCH ON VEHICLE LANE CHANGING CHARACTERISTICS OF MULTI-LANE TYPE HIGHWAY MAINTENANCE OPERATION AREA BASED ON VEHICLE TRAJECTORY	62
<i>Huang Yong, Fang Daqing, Tan Fuliang, Tao Minglu, Si Daoguang, Shu Yang</i>	
PREDICTION OF ROAD TRAFFIC ACCIDENTS BASED ON ROLLING-OPTIMIZED GREY MARKOV MODE	67
<i>Chengzhen Xu, Heng Zhang, Yanan Gong, Huiyun Sang, Guanglin Sun, Jing Chen</i>	
RESEARCH ON LOCATION MODEL OF EMERGENCY MATERIAL STORAGE WAREHOUSE BASED ON GENERALIZED MAXIMUM COVERAGE.....	72
<i>Zhong-hua Cheng, Qiang Wang, Min Du, Yong Chen</i>	

OPTIMIZATION OF TRAFFIC ORGANIZATION OF LOADING GROUND BASED ON TRANSPORT LOSS	78
<i>Mu Yang</i>	
STUDY ON THE DISTRIBUTION LAW AND SPEED LIMIT OF NIGHT SPEED IN EXPRESSWAY MAINTENANCE AREA	86
<i>Yong Huang, Daqing Fang, Fuliang Tan, Minglu Tao, Daoguang Si, Yang Shu</i>	
RESEARCH ON PLANNING AND DESIGN OF AIRPORT AIRFIELD AREA	92
<i>Li Ke, Shao Bin</i>	
AIRPORT RESCUE AND FIREFIGHTING WAY IN THE 5G ERA.....	98
<i>LI DaShuai, Su Ruifang</i>	
RELIABILITY ANALYSIS OF HIGHWAY NETWORK IN CHINA BASED ON COMPLEX NETWORK THEORY	103
<i>Hui-di Jia, Qian Li, Guang-Jing Zhou, Ran Zuo</i>	

Author Index