

3rd International Conference on Traffic Engineering and Transportation System (ICTETS 2019)

Opportunities and Challenges for
Transportation Development

IOP Conference Series: Materials Science and Engineering
Volume 688

Jiaozuo, China
20 - 22 September 2019

Part 1 of 3

ISBN: 978-1-7138-0980-7
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. (2020)

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

PART 1

TRANSPORTATION SYSTEM

RESEARCH ON CONSTANT CURRENT CONTROL OF REGENERATIVE BRAKING IN HYBRID ENERGY STORAGE ELECTRIC BICYCLE	1
<i>Yongdong Xie, Chaofeng Pan, Zhigang He, Qiangye Gao, Yating Chu</i>	
NUMERICAL STUDY ON CAVITATION CHARACTERISTICS OF HIGH SPEED FUEL CENTRIFUGAL PUMP	14
<i>Xiaoyu Li, Yunguang Ji, Xiaolan Liu, Hongbin Cui, Shuqi Xue</i>	
RESEARCH ON CONTROL METHOD AND EVALUATION SYSTEM OF UNMANNED GROUND VEHICLE GROUP CHANGE	18
<i>Tianyu Shi, Yunqing Bao, Zhichao Wang, Chonghao Zou, Sunbo Wang, Xueyuan Li</i>	
STUDY ON EVALUATION OF BEIJING-SHANGHAI HIGH-SPEED RAILWAY OPERATION SAFETY	31
<i>Zhuo Wang, Xiaorong Deng</i>	
DESIGN AND IMPLEMENTATION OF SOA-BASED TECHNICAL SERVICE SYSTEM FOR ROAD TRANSPORT VEHICLES	40
<i>Hong Jia, Haiying Xia, Yingji Liu, Guoliang Dong</i>	
THE ANALYSIS OF THE INFLUENCE OF DELAY ABSORBING SEQUENCE ON FLIGHT DELAY PROPAGATION	46
<i>Yutong Wang, Jinfu Zhu, Chang Liu</i>	
ASSESSMENT OF DEVELOPMENT EQUILIBRIUM OF CHANGSHA-ZHUZHOU-XIANGTAN URBAN AGGLOMERATION BASED ON PASSENGER CAR DATA.....	53
<i>Qiufang Shi, Bin Jia, Jiangtao Li, Can Cui</i>	
ANALYSIS OF CHINESE PATENT TECHNOLOGY IN SHIP AND MARINE ENGINEERING EQUIPMENT INDUSTRY	60
<i>Hu Jun, Wu Junmin, Sheng Yongxiang, Wu Jie, Lei Hegong</i>	
COMPARISON RESEARCH ON THE SINO-US MARITIME DEVELOPMENT IN MARINE ENGINEERING	67
<i>Feifei Li, Kun Dang</i>	
THE MULTI-LEVEL URBAN RAIL TRAFFIC SAFETY BASED ON FUZZY TOPSIS EVALUATION RESEARCH	73
<i>Jiaxu Chen</i>	
RESEARCH ABOUT THE CONSTRUCTION OF INTELLIGENT TRANSPORTATION SYSTEM UNDER THE BIG DATA OF VEHICLE NETWORKING	83
<i>Hongyang Su</i>	
IMPACT OF HIGH-SPEED RAILWAY TRANSPORTATION ON ECONOMIC DEVELOPMENT IN ZHENGZHOU CITY	87
<i>Ming Wan, Haozhan Peng, Yuping Xu</i>	

RESEARCH ON ROUTE SEARCH OF CONNECTING FLIGHTS IN INTERNATIONAL AIRLINE NETWORK	93
<i>Ruixin Ma, Xian Chen, Jian Liu, Jinfu Zhu</i>	
RESEARCH ON TRAFFIC ZONE PARTITION METHOD BASED ON TWO-LEVEL PARTITION THEORY	99
<i>Yongchang Li, Xuedong Yan</i>	
DEVELOPMENT OF RAIL PRECISION CLEANING VEHICLE FOR MODERN TRAMWAY	105
<i>Hanjiang Dong, Wentao Ma, Jingwen Huang, Haijian Li, Yanming Huang, Xin Liu, Jingui Li, Zenan Lin, Yongjun Xie</i>	
GRADATION DESIGN AND PERFORMANCE OF OGFC-13 STEEL SLAG PERMEABLE ASPHALT CONCRETE	111
<i>Shen Fan, Ruonan Pang, Guosu Wei, Ji Lu, Sifa Fang</i>	
ANALYSIS OF THE FEASIBILITY OF HOV LANE OF SHICHANG AVENUE IN WEIHAI CITY	117
<i>Yuqiang Hou, Zhenzhou Yuan, Phuong Tran Thu, Yuqiang Hou</i>	
EVALUATION OF CLOUD MODEL FOR PUBLIC TRANSPORT SERVICE QUALITY	122
<i>Zhang Meng, Zhang Yi, Jinhui Li, Xiaomin Wang, Zhixin Wang</i>	
MODELING AND ANALYSIS OF BUS SATISFACTION BASED ON IMPROVED STRUCTURAL EQUATION MODEL	127
<i>Zhixin Wang, Yi Zhang, Jinhui Li, Xiaomin Wang, Zhang Meng</i>	
RESEARCH ON COMPREHENSIVE EVALUATION INDEX SYSTEM OF TRAFFIC INFRASTRUCTURE CONSTRUCTION	133
<i>Zhi-Yu Chen</i>	
EVALUATION MODEL OF URBAN-RURAL TRANSPORTATION INTEGRATION DEVELOPMENT LEVEL	139
<i>Huanhuan Yin, Zhu Zhao, Huiying Song, Yuanying Su</i>	
STUDY ON PSD OF TRACK IRREGULARITIES OF BEIJING METRO LINE	145
<i>Jin Feng, Hong Xiao, Xing Ling</i>	
STABILITY ANALYSIS OF ARTICULATED DUMP TRUCK BASED ON EIGENVALUE METHOD	151
<i>Weiping Fang, Xiaojun Yang, Weijian Zhao, Benchao Liu</i>	
ANALYZING OF IMPACT FACTORS OF RESIDENTS' CHOICE OF AUTONOMOUS VEHICLE: A NETWORK QUESTIONNAIRE SURVEY IN NANCHANG, CHINA	157
<i>Yating Huang, Lixin Yan</i>	
STUDY ON THE APPROPRIATE LEVEL OF MOTOR VEHICLES IN SHENYANG	162
<i>Tong Zeng</i>	
RESEARCH ON CALCULATION OF PORT OPTIMAL ANCHORAGE DEMAND BASED ON QUEUING THEORY	170
<i>Qingyve Huang, Liu Hu</i>	
AVIATION BUSINESS VOLUME FORECAST OF XIANYANG INTERNATIONAL AIRPORT BASED ON MULTIPLE PREDICTION MODELS	177
<i>Jichao Lei, Xiaolei Chong, Xiaoyong Long</i>	

ANALYSIS AND RESEARCH ON AVIATION POWER OPERATION MODE.....	187
<i>Guangrui Tang, Zhang Qian</i>	
CHARACTERISTICS OF LOW-LEVEL WIND SHEAR IN QINGHAI XINING AIRPORT.....	191
<i>Ting Xu</i>	
AIRCRAFT DEPARTURE FUEL CONSUMPTION IMPROVEMENT MODEL BASED ON FLIGHT DATA.....	197
<i>Qianwen Huang, Ming Zhang, Sihan Liu</i>	
PREDICTION OF DILATANCY OF TUNNEL SURROUNDING ROCK IN COAL MEASURE STRATA: A CASE STUDY OF HUAINAN MINING AREA.....	208
<i>Zhiqiang Yin, Xiangyang Zhang, Haifeng Ma</i>	
AERODYNAMIC LOAD CHARACTERISTICS OF HIGH-SPEED TRAIN UNDER DIFFERENT WIND LOAD MODELS	214
<i>Rong Liu, Zhiqiang Yin, Guang Chen</i>	
RESEARCH ON CYCLING DISTANCE BASED ON CYCLIST PERCEPTION.....	221
<i>Ruiyan Li, Shujuan Ji, Yuanqing Wang</i>	
LOW CARBON VEHICLE ROUTING OPTIMIZATION WITH MULTI-ENERGY AND MULTI-VEHICLE TYPES UNDER TRAFFIC RESTRICTION CONDITIONS.....	227
<i>Heng Wang, Li Wei, Zhanwu Wang, Guangyin Xu, Zhenfeng Wang</i>	
A QUANTITATIVE AND COMPREHENSIVE EVALUATION OF CHINA'S ECOLOGICAL HIGH-SPEED RAILWAY DEVELOPMENT BASED ON DSR MODEL.....	235
<i>Jing Guo</i>	
APPLICATION OF LEAN DESIGN IN THE PLANNING LAYOUT OF SLAB PLANT	240
<i>Yanru Li</i>	
NUMERICAL ANALYSIS OF SEMI-RIGID ASPHALT PAVEMENT DEFLECTION UNDER DYNAMIC TRAFFIC LOAD.....	245
<i>Xuejun Yue, Jicun Shi, Junxiong Wang, Qing Zhang, Zhongyu Li, Tingguo Liu</i>	
THE OPTIMIZATION OF TRAFFIC CONGESTIONS IN BIG CITIES: THE ROLE OF THE MOTOR VEHICLE RESTRICTION MECHANISM	251
<i>Enmin Mou, Yaodong Zhou, Zhaoyu Sun</i>	
EVALUATION AND RESEARCH ON SITE SELECTION SCHEME OF HIGH-SPEED RAILWAY STATION BASED ON BINARY SEMANTIC COMBINATION WEIGHTING METHOD.....	256
<i>Xilin Li, Long Chen</i>	
RESEARCH ON INFLUNENCE LAW OF EXISTING PIPE-JACKING TUNNEL AFFECTED BY ADJACENT FOUNDATION PIT EXCAVATION IN SOFT CLAY STRATUM	266
<i>Wenjiang Li, Xianmin Han, Tao Chen, Xiaolong Guo, Kang Wang</i>	
STUDY ON THE INFLUENCE OF CROSSWIND ANGLE AND LONGITUDINAL SPACING ON BUSES IN A PLATOON	275
<i>Dongchang Zhao, Danyang Zhang, Chuan Chen</i>	
A NEW APPROACH TO IDENTIFY THE TARGET MARKET OF NEW GATEWAY AIRPORTS.....	282
<i>Zheqing Wang, Jing Lu, Lv Cheng</i>	

PRICING COMPETITION FOR OCEAN TRANSPORTATION WITH HETEROGENEOUS CARRIERS AND EMPTY CONTAINER REPOSITIONING	287
<i>Mingzhu Yu, Jiayin Qv, Zelong Yi, Ruina Yang</i>	
RESEARCH ON DEMAND ANALYSIS AND DEVELOPMENT PROSPECT OF HIGH-SPEED RAILWAY EXPRESS MARKET	295
<i>Yingying Xu, Qilan Zhao</i>	
RESEARCH ON THE APPLICATION OF NEW ENERGY PURE BATTERY POWERED SHIPS IN THE YANGTZE RIVER	301
<i>Lei Jiang, Yongbo Ji, Yalin Yi, Kui Li</i>	
CALIBRATION METHOD FOR MICROSCOPIC SIMULATION MODEL OF URBAN EXPRESSWAY USING INTERNET TRAFFIC OPERATION DATA	307
<i>Bo Wang, Jingang Gu</i>	
VISUAL ANALYTICS ON BIG DATA OF URBAN TRAFFIC TRAJECTORIES.....	313
<i>Wu Hao, Zhang Lin, Ziyi Shao</i>	
RESEARCH ON VISUAL ANALYSIS TECHNOLOGY AND APPLICATION OF URBAN ROAD DATA.....	323
<i>Ziyi Shao, Zhang Lin, Wu Hao</i>	
EFFECT OF AIR FILTER ON PERFORMANCE OF S1110 DIESEL ENGINE	333
<i>An-Jie Yang, Zhong-Jie Song, Jian-Wei Yang, Cheng-Jian Zhao</i>	
RESEARCH ON URBAN INTERCONNECTION INDEX OF TRANSPORTATION CARD INDUSTRY	339
<i>Qiushui Fang, Zhiming Li, Zhen Wang, Jincheng Wu, Mengtian Leng</i>	
RESEARCH ON FUZZY COMPREHENSIVE EVALUATION MODEL OF SHIP TYPE MAIN DIMENSION.....	346
<i>Hongbin Wei</i>	
RESEARCH ON PARKING LOT SELECTION MODEL TAKING SECONDARY PARKING INTO ACCOUNT	351
<i>Chengqiang Yu</i>	
DESIGN AND SIMULATION OF URBAN VARIABLE-ROUTE BUS.....	359
<i>Lihua Liu, Junzhuo Li, Aizeng Li, Jianfeng Zhao, Jianping Chen, Shushuo Luo</i>	
STUDY ON DESIGN SPEEDS OF METRO INTER-STATIONS FOR TRACTION ENERGY SAVING AND TRAVEL TIME REDUCTION	365
<i>Yang Xu, Yun Bai, Jiajie Li, Yuhe Zhou</i>	
OPTIMIZATION FOR TRAIN PLAN OF FULL-LENGTH AND SHORT-TURN ROUTING UNDER VARIABLE MARSHALLING CONDITIONS	374
<i>Yating Hu</i>	
ANALYSIS OF THE PROBLEMS IN CHINA'S RAILWAY FREIGHT PRICING SYSTEM.....	379
<i>Lutian Li, Jingwei Guo</i>	
RESEARCH ON DEVELOPMENT STATUS OF "MULTIPLE-PLAN INTEGRATION" AND URBAN COMPREHENSIVE TRANSPORTATION PLANNING.....	386
<i>Linghong Wei, Yixiao Yin, Guo Zhong</i>	

RATIONALITY ANALYSIS OF CHANNEL MAINTENANCE SCALE IN LONG RIVER SECTION	392
<i>Yuhuan Yu, Zhaoyang Li, Xinglong Liu</i>	
ANALYSIS AND EVALUATION OF HIGH QUALITY DEVELOPMENT STATUS OF BEIJING TRANSPORTATION	399
<i>Ying Wang</i>	
RESEARCH ON PROMOTING STRATEGIES OF URBAN COMPREHENSIVE TRANSPORTATION PLANNING UNDER THE BACKGROUND OF MULTIPLE PLANS INTEGRATION	404
<i>Guo Zhong, Yixiao Yin, Linghong Wei</i>	
WORKBENCH CONTROL SYSTEM DESIGN BASED ON MECANUM WHEEL	408
<i>Ruoqi Bai</i>	
NON-STATIONARY VIBRATION ROAD SPECTRUM RECONSTRUCTION OF WHEELED VEHICLES BASED ON FCM CLUSTERING WAVELET PACKET COEFFICIENT MATRIX	415
<i>Zongkai Liu, Xiaoqiang Yang, Jinxing Shen</i>	
<u>VEHICLE ENGINEERING</u>	
ESTABLISHMENT OF RESIDUAL VALUE ASSESSMENT MODEL FOR ELECTRIC VEHICLE BASED ON AHP	428
<i>Xin Cao, Weimin Yang</i>	
STUDY ON SIMULATION ANALYSIS OF VEHICLE HANDLING STABILITY BASED ON MATLAB	439
<i>Fengping Cao, Jinduo Wang</i>	
RESEARCH ON TROUBLE DIAGNOSIS METHOD OF BRAKING ANTI-LOCK SYSTEM BASED ON VEHICLE DATA FLOW	444
<i>Tianhao Zhang, Shuquan Xu, Fujia Liu</i>	
PERFORMANCE EVALUATION OF A HYDROPHOBICALLY MODIFIED ANTI-SLIDE AND ANTI-ICING COATING	450
<i>Fan Shen, Guosu Wei, Ruonan Pang, Feiyi Liu, Sifa Fang</i>	
DYNAMIC SELECTION OF D2D COMMUNICATION FOR INTERNET OF VEHICLES	455
<i>H L Wang, G A Qiu, Z H Bao, W Wang</i>	
RESEARCH ON JOINT OPTIMIZATION OF AIRPORT SURFACE BASED ON IMPROVED A* ALGORITHM	460
<i>Jinxin Liu, Sixu Feng, Xiaoyu Zeng</i>	
ORTHOGONAL TESTING ON RATIO OF PHYSICAL SIMULATION MATERIAL SIMILAR TO SANDSTONE	467
<i>Yanli Zhang, Yongping Wu, Panshi Xie</i>	
APPLYING GPS TIME-DIFFERENCED CARRIER PHASE VELOCITY ESTIMATION FOR CALIBRATION OF LDV/INS INTEGRATED NAVIGATION SYSTEMS IN LAND VEHICLES	477
<i>Yingjie Zhu, Xingshu Wang, Yingwei Zhao</i>	
RESEARCH AND OPTIMIZATION OF VEHICLE HANDLING STABILITY BASED ON MULTI - BODY DYNAMICS	485
<i>Yajuan Chen, Fei You, Xianglin Li, Lei Fu</i>	

RESEARCH ON COMMUNITY DISTRIBUTION MODEL BASED ON STRUCTURAL EQUATION MODEL	492
<i>Danyang Cong</i>	
MATLAB SIMULATION OF ELECTROMAGNETIC WAVES PROPAGATION CHARACTERISTICS.....	499
<i>Jiahe Shi, Jiaxin Shen, Haojie Wang, Yilin Chen, Hongliang Xiao, Xueru Li</i>	
RESEARCH ON A METHOD OF LOG AGGREGATION	504
<i>Xinming Lai, Haitao Wang, Jing Zhao, Fan Zhang, Chao Zhao, Gang Wu</i>	
RAILWAY LINE DATA OPTIMIZATION AND FORMAL MODELLING AND VERIFICATION OF GENERATION MOTHED	508
<i>Zihan Zhang, Zhongtian Liu</i>	
A NEW ANALYTICAL FRAMEWORK FOR THE LOCATION SELECTION OF SHARED CAR SITE	515
<i>Yonggui He, Wang Meng, Qi He</i>	
DESIGN OF ACOUSTIC DOPPLER CURRENT PROFILER CALIBRATION SYSTEM.....	523
<i>Hui Xie, Yicheng Liu, Mingmin Zhang</i>	
ANALYSIS OF URBAN TRAFFIC ENGINEERING PLANNING BASED ON TRAVEL WELL-BEING.....	530
<i>Siqi Jia</i>	
IMPROVING DETERMINISTIC PITCH MOTIONS ESTIMATION USING BIVARIATE SEQUENTIAL WAVE INPUT.....	540
<i>Yucheng Liu, Qiumeng Zheng, Wenyang Duan, Limin Huang</i>	
PARAMETER CORRECTION OF VISSIM MULTI-INTERSECTION SIMULATION MODEL BASED ON COMBINED GENETIC ALGORITHM	546
<i>Jing Zhang, Zhang Lin, Changwei Wang</i>	
CHARACTERISTIC ANALYSIS AND PREDICTION MODELING OF CAR-SHARING USER RENTAL BASED ON FISHER ORDERED CLUSTERING	552
<i>Ru Zhi, Jun Zhang, Jun Bi, Zhen Zhuang, Qiu-Yue Sai</i>	
THE DESIGN OF AGV'S DYNAMIC WIRELESS POWER TRANSMISSION POWER SUPPLY BASED ON ADAPTIVE WEIGHT VALUE MULTI-OBJECTIVE GENETIC ALGORITHM	560
<i>Pingfan Ning, Tiantong Li, Pingjuan Niu</i>	
EXPERIMENTAL STUDY ON SHEAR BEHAVIOR OF EXPANSIVE SOIL MODIFIED BY GRAVEL SAND.....	567
<i>Lu Yang, Xiufu Deng</i>	
A NOVEL DEEP RECURRENT NEURAL NETWORK FOR SHORT-TERM TRAVEL DEMAND FORECASTING UNDER ON-DEMAND RIDE SERVICES.....	573
<i>Wang Wei, Xuedong Yan</i>	
DESIGN OF HIGH EFFICIENCY SINGLE-PHASE BRIDGE PASSIVE INVERTER BASED ON SG3525	584
<i>Zhen Zhu, Renda Wang, Yong Yin, Shengwei Xing</i>	
PREDICTION OF SILENT USERS OF CAR-SHARING BASED ON LOGISTIC REGRESSION MODEL.....	590
<i>Jun Bi, Zun Yuan, Qiuyue Sai, Dongfan Xie</i>	

PROPERTIES OF FE-CU-C COMPOSITE REINFORCED BY DIFFERENT WC CONTENT	595
<i>Ye Xuan, Tu Huajin, Qin Ling, Ling Yuxiang</i>	
STUDY ON EFFECTS OF FDM 3D PRINTING PARAMETERS ON MECHANICAL PROPERTIES OF POLYLACTIC ACID	600
<i>Zhu Yu, Yingchao Gao, Jie Jiang, Hai Gu, Shuaishuai Lv, Hongjun Ni, Xingxing Wang, Chaofan Jia</i>	
WARPAGE ANALYSIS AND OPTIMIZATION OF THIN-WALLED INJECTION MOLDING PARTS BASED ON NUMERICAL SIMULATION AND ORTHOGONAL EXPERIMENT	605
<i>Yanfang Chen, Junjie Zhu</i>	
RESEARCH ON ASSEMBLY SEQUENCE PLANNING OF MARINE DIESEL ENGINE BASED ON IMPROVED GENETIC ALGORITHM.....	611
<i>Wang Wei, Xinyu Zhang, Wenping Zhang, Zhaobin Shang</i>	
RESEARCH PROGRESS OF COLD EXTRUSION TECHNOLOGY FOR LIGHT ALLOY INTERNAL THREAD	618
<i>Liu Meng, Zesheng Ji, Xuemei Li</i>	
ANALYSIS OF CREEPING MECHANISM AND ELIMINATING MEASURES OF CREEPING PHENOMENON OF MACHINE FEEDING SYSTEM.....	624
<i>Chuanliang Yu, Ruijun Liang, Wei Li, Dan Song</i>	
SURFACE DECARBURIZATION BEHAVIOUR OF A NOVEL DIE STEEL	629
<i>Xueyuan Ge, Qingxian Ma, Miaohui Wang, Hengsan Liu, Ruifeng Guo, Yunbo Chen</i>	
SURFACE PLASMA RESONANCE SENSOR FOR BIOMIMETIC DETECTION OF PROGESTERONE WITH MACROPOROUS MOLECULARLY IMPRINTED POLYMERS PREPARED BY VISIBLE LIGHT	635
<i>J Y Yu, S Q Jiao, T Nawaz, S Q Wang, T X Wei</i>	
RESEARCH ON POLAR-REGION COARSE ALIGNMENT ALGORITHM BASED ON GRID SYSTEM	647
<i>Ming Tian</i>	
SPECTRAL CHARACTERISTICS ANALYSIS OF WETLAND IN THREE PROVINCES OF NORTHEAST CHINA BASED ON FY3/MERSI DATA.....	658
<i>Rui Feng, Jinwen Wu, Wenyong Yu, Ruipeng Ji, Pengshi Chen, Yushu Zhang</i>	
A PRACTICAL METHOD OF MODELLING AND SIMULATION FOR BALL END MILL CNC GRINDING	664
<i>Qichao Pei, Zhuyu Li, Xuefei Cui, Hongyang Wang, Wei Zhang</i>	
APPLICATIONS AND PROSPECTS OF TITANIUM AND ITS ALLOYS IN SEAWATER DESALINATION INDUSTRY	674
<i>C P Wang, H Z Wang, G L Ruan, S H Wang, Y X Xiao, L D Jiang</i>	
SIMULATION RESEARCH ON MEASUREMENT METHOD OF GEOMETRIC PARAMETERS OF NON-CONTACT PIPE THREAD.....	681
<i>Yanshu Liu, Wenjie Li, Ziyang Song, Zhong Li</i>	
PREDICTION OF THE LIMITING REDRAWING RATIO	686
<i>Xiaohong Zhou, Lu Lu, Fengjun Wang, Bangjun Ding, Wenzhi Gong</i>	

A COMPREHENSIVE STUDY OF THREE DIMENSIONAL DEVIATION ANALYSIS METHODS FOR AERO-ENGINE ROTORS ASSEMBLY	693
<i>Siyi Ding, Xiaohu Zheng, Jinsong Bao, Jie Zhang</i>	
DENDRITIC SILVER MICROSTRUCTURES AS HIGHLY SENSITIVE SERS PLATFORM FOR THE DETECTION OF TRACE UREA	700
<i>Jin Wen, Fazhi Song, Yunchen Du, Wang Yu, Rong Qiang</i>	
LITHIUM INSERTION IN SI ELECTRODES STUDIED BY FIRST PRINCIPLES METHOD.....	705
<i>Ruiqi Wu, Fengbin Liu, Si Lina, Nan Zhao, Hongjuan Yan, Jianguo Chen</i>	
EFFECT OF GROOVE-TYPE CHIP BREAKERS IN DEEP HOLE DRILLING OF 42CRMO.....	711
<i>Xuefei Cui, Zhuyu Li, Qichao Pei, Haiyu Liu, Zhang Wei, Junhao Yu</i>	
RESEARCH PROGRESS ON PRODUCTION TECHNOLOGY AND EQUIPMENT OF FIRED PERFORATED BRICK	718
<i>Hongmei Liu, Jian Zhang, Xingxing Wang, Aidong Zhu, Dawei Ding, Hongjun Ni, Wenbo Ai</i>	

PART 2

THE APPLICATION OF THE SOLID WASTE COMPOST PRODUCTS IN GARDEN PLANT PLANTING	723
<i>Xiaolong Cai, Jianyang Tan, Huaji Chen, Mingji Huang, Xinying Huang</i>	
FLUENT SIMULATION AND EXPERIMENTAL ANALYSIS OF POLISHING EDGE ABRASION OF SINGLE CRYSTAL GERMANIUM	729
<i>Zhiyi Leng, Xiaojing Yang</i>	
MICROMECHANICS ANALYSIS OF ELASTIC PROPERTIES OF FLEXIBLE MATRIX TWF COMPOSITES	736
<i>Yichen Li, Yanping Song, Fei Hu</i>	
MICROSTRUCTURE OF SILVER COATING OF CYANIDE-FREE BRUSH PLATING BASED ON MULTICOMPONENT COORDINATION SYSTEM.....	743
<i>Xinmei Li, Zhongwen Zhang, Shuai Suo, Yaxia Qiao, Baoshuai Du, Hualing Deng, Zhang Hao, Hongjian Luo</i>	
OPTIMIZATION DESIGN OF SUPPORT ARM OF AN UPPER LIMB REHABILITATION ROBOT	749
<i>Hairui Liu, Yu Wang</i>	
INTERFACIAL STRESS OF CARBON FIBER PATCH BONDED TO TRANSVERSE CRACKED STEEL PLATE REINFORCEMENT	755
<i>Zhao Fan, Xiangming Zhang, Jing Wu, Anwen Wang</i>	
FAILURE MECHANISM AND PREVENTION RESEARCH OF ADHESIVE WEAR IN THE GUIDE PART OF GLOBE VALVE.....	762
<i>Shaojiang Chen, Qing Zhang, Yilong Sun, Yufei Gu</i>	
DESIGN OF ARMATURE INTERFERENCE STRUCTURE OF NEW QUADRUPOLE TRACK ELECTROMAGNETIC LAUNCHER	768
<i>Qingrong Chen, Tao Shu, Gang Feng, Shaowei Liu, Mengyang Cui</i>	
NUMERICAL AND EXPERIMENTAL RESEARCH ON NONLINEAR VIBRATION OF HIGH LINE SPEED FRICTION PAIRS OF VEHICLE CLUTCH	775
<i>Jie Li, Xiaoyan Wang</i>	

PROCESS SIMULATION OF MULTI-LAYER AND MULTI-CHANNEL SELECTIVE LASER MELT OF AL ₂ O ₃ CERAMICS BASED ON TEMPERATURE FIELD	782
<i>Xiaobing Chen, Quan Sun, Quanping Sun, Haibing Wu, Zhang Chang</i>	
INFLUENCE OF INCLUSIONS' POSITION ON STRESS DISTRIBUTION OF INCLUSION-MATRIX INTERFACE	787
<i>Kai Zhao, Tian-Yu Wang</i>	
DESIGN AND DEVELOPMENT OF ROTARY MACHINERY VIBRATION MONITORING SYSTEM	792
<i>Yu Li, Yixiang Wang, Yinchun Guo</i>	
NUMERICAL ANALYSIS OF NYLON PROJECTILE ENGRAVING INTO RIFLE.....	799
<i>Yucui Dong, Jing Sun, Liming Gong, Jianjun Wang</i>	
THREE COMMON PREPARATION METHODS OF HYDROXYAPATITE.....	804
<i>Guoqing Ma</i>	
THE APPLICATION OF ARTIFICIAL INTELLIGENCE IN MECHANICAL MANUFACTURE INDUSTRY	816
<i>Yubo Wang</i>	
RESEARCH ON WIRELESS PULSE MONITORING SYSTEM BASED ON AVR.....	820
<i>Chao Li</i>	
TOUGHNESS DETECTION AND GRADATION FOR KITCHEN KNIFE EDGE	826
<i>Zhonghua Su, Zhangcheng Yang, Taizhong Huang, Haipeng Mi, Na Chen</i>	
PREPARATION AND NIR LIGHT-DRIVEN PHOTOCATALYTIC PROPERTIES OF β -NAYF ₄ :YB ₃ ⁺ , TM ₃ ⁺ /ZNO CORE-SHELL COMPOSITES	831
<i>Zhigang Yi, Tao Jiang, Xuguang Ma, Ying Zhang, Qiong Tang</i>	
RESEARCH ON MACHINING ERROR OF GLOBOIDAL CAM PROFILE BASED ON ADAPTIVE ALGORITHM	837
<i>Panlong Wu, Dongfang Hu</i>	
DESIGN AND DEVELOPMENT OF MONITORING SYSTEM FOR GIS STRUCTURAL DEFORMATION BASED ON PHOTOGRAMMETRY	844
<i>Hongjian Luo, Zhenggang Li, Wenwu Gao, Jie Zhang, Zhoufeng Zhao, Yutong Zhou</i>	
INFLUENCE OF LASER POWER AND SCAN SPEED ON THE MICROSTRUCTURE AND PROPERTIES OF GH4169 ALLOY PREPARED BY SELECTIVE LASER MELTING	852
<i>Jianguo Chen, Xuanbo Wang, Yingcai Pan</i>	
RESEARCH AND APPLICATION OF NON-AUTOCLAVED PHC PIPE PILE CONCRETE	859
<i>Bobo Liu</i>	
ESTABLISHMENT AND RESEARCH OF STATE MODEL OF INTELLIGENT VEHICLEBEND SYSTEM BASED ON KALMAN FILTER.....	865
<i>Gong Fan, Chaoda Chen</i>	
EXPERIMENTAL STUDY ON DEEP HOLE DRILLING OF TC18 TITANIUM ALLOY BASED ON BTA	873
<i>Zhanfeng Liu, Ziyang Song, Wenjie Li, Zhong Li</i>	

RESEARCH ON WELL TRAJECTORY DEDUCTION METHOD BASED ON PYTHAGOREAN-HODOGRAPH QUINTIC SPACE CURVES.....	879
<i>Yufei Li, Yinpeng Cao, Yuxue Liu, Mingfei Li, Dou Yihua, Jiantao Zhang, Lin Zhang</i>	
RESEARCH ON ROUNDNESS ERROR EXTRACTION METHOD FOR PRECISION MACHINE TOOL SPINDLE BASED ON LEAST SQUARE METHOD.....	885
<i>Shihai Zhang</i>	
RESEARCH AND DESIGN OF A NEW TYPE OF SPRAY WASHING MACHINE.....	890
<i>Dun Liu, Ruoyu Hu, Weigang Zheng</i>	
RESEARCH ON BEARING EDDY CURRENT TESTING BASED ON ANSYS.....	896
<i>Jianhong Hu, Yufeng Wang, Mingxuan Liang</i>	
OPTIMIZATION OF CONTROL STRATEGY BASED ON EQUIVALENT ANALYSIS DURING DEPLOYMENT OF HOOP TRUSS DEPLOYABLE ANTENNA(HTDA).....	903
<i>Tao Cheng, Yihong Wang, Jiangong Liu, Ke Zhang</i>	
RESEARCH ON THE ROUNDNESS ERROR SEPARATION METHOD FOR PRECISION SPINDLE BASED ON HARMONIC WAVELET DE-NOISE AND MATHEMATICAL STATISTICS METHOD.....	910
<i>Shihai Zhang</i>	
DESIGN AND TEST OF CF-1A SELF-PROPELLED RESIDUAL FILM RECOVER MACHINE.....	916
<i>Yaxin Zhang, Jishan Xiang, Hongze Zhang, Hang Li</i>	
THE ANGLE ADJUSTMENT METHOD OF THE CLEANING END EFFECTOR FOR THE SURFACE OF ROCKET TANK BASED ON MACHINE VISION.....	922
<i>Xiaodong Liu, Haibo Xu, Yingkun Qian, Lifan Sun, Liu Li</i>	
ROCKET TANK SURFACE GLUE LAYER THICKNESS MEASUREMENT ROBOT TRAJECTORY TRACKING CONTROL BASED ON ADAPTIVE ITERATIVE LEARNING.....	928
<i>Haibo Xu, Liu Li, Yongjun Ni, Siqi Liu, Xiaodong Liu</i>	
RESEARCH ON DRIVING SYSTEM OF HYDRAULIC ROBOT BASED ON FERROFLUID.....	934
<i>Jun-Long Li, Li-Na Liu, Yu-Hong Gao</i>	
FATIGUE DAMAGE EVOLUTION AND FINITE ELEMENT SIMULATION OF THE SAMPLES UNDER DIFFERENT NOTCH MORPHOLOGY.....	943
<i>Zhiqiang Wang, Xiaoguang Huang</i>	
HYDROTHERMAL SYNTHESIS AND NH ₃ GAS SENSING PROPERTIES OF NANOSHEET WO ₃	949
<i>Fengyun Sun, Changsheng Mu, Dianzhong Wen, Huiming Sun, Xin Ju, Jing Hu, Yanwei Dou</i>	
NEW METHOD FOR THE CALIBRATION OF CUTTER RUNOUT PARAMETERS IN MILLING PROCESS.....	953
<i>Weiguang Pan, Wenjie Pan, You Wu, Liang Guo</i>	
APPLICATION OF VISCOSITY-REDUCING POLYCARBOXYLATE SUPERPLASTICIZER IN PHC PUMPING PIPE PILE PRODUCTION.....	958
<i>Yuetao Qiu</i>	
DYNAMIC AND STATIC ANALYSIS OF THE BATTERY BOX STRUCTURE OF AN ELECTRIC VEHICLE.....	964
<i>Na Yang, Rui Fang, Hongliang Li, Hui Xie</i>	

EFFECT OF PRE-DEFORMATION ON THE MECHANICAL PROPERTIES OF PRE-AGING AA7093	970
<i>Nan Wang, Linzhong Zhuang, Jishan Zhang</i>	
PREPARATION OF THE NAFION/CNT NANOFIBERS VIA ELECTROSPINNING	976
<i>Shufeng Li, Ru Luo, Jinrong Huang</i>	
DESIGN AND EXPERIMENT OF VIBRATION REDUCTION SCHEME FOR SENSITIVE DETECTORS BASED ON RANDOM VIBRATION.....	982
<i>Kaiqin Yue, Feicheng Wang, Hongjian Zhang, Siyuan Li</i>	
THE OXIDATION PROPERTIES OF MGF2 PARTICLES IN HYDROFLUOROCARBON/AIR ATMOSPHERE AT HIGH TEMPERATURES	988
<i>Jie Huang, Hukai Chen, Hongli Jiang, Xiaxia Mu, Jiang Yu</i>	
EFFECT OF CRYOGENIC TREATMENT ON EXTRUDED COPPER STRUCTURES.....	994
<i>Zhang Shengquan, Wang Bing, Wang Shizhuo, Zhao Changzhong, Wang Xijing, Zhang Zhongke</i>	
COMBINING THE CHARACTERISTICS OF THE FIELD TO DETERMINE THE RETRIEVAL IDEAS AND IMPROVE THE RETRIEVAL EFFICIENCY OF MACHINE TOOL FIXTURES	1004
<i>Baolin Xia</i>	
FAULT DIAGNOSIS OF THE FANUC CNC LATHE ANALOG SPINDLE SPEED MISMATCH.....	1010
<i>Dakui Yang, Chuanchuan Cao, Cunjin Ai</i>	

LOGISTICS ENGINEERING

STUDY ON FUNCTION EVALUATION AND DEVELOPMENT DIRECTIONS OF CHINESE PORTS	1016
<i>Qiuping Yang, Jialu Wu, Bohan Su</i>	
RESEARCH ON TRACK IRREGULARITY BASED ON K NEAREST NEIGHBOR ALGORITHM.....	1022
<i>Bian Ting, Yu-Lei Chen, Tang Kai, Xiao-Jie Huang, Zhen-Feng Cao, Ming-Lai Yang</i>	
SIGNAL LIGHT PTIMIZATION BASED ON PTV VISSIM SOFTWARE.....	1027
<i>Mingyu Lu, Sun Yan</i>	
A RESEARCH ON VEHICLE AND UAV ROUTING PROBLEM DURING DISTRIBUTION BASED ON IAMMAS.....	1033
<i>Ming Han, Ya-Bin Wang, Xiang Chen, Xing Zhao</i>	
DESIGN OF EXPRESSWAY SAFETY EARLY WARNING SYSTEM BASED ON INTERNET OF THINGS	1041
<i>Shukuan Cao, Yanbiao Huang</i>	
PEDESTRIAN VIOLATIONS CROSSING BEHAVIOR AT SIGNAL INTERSECTIONS: A CASE STUDY IN ANNING DISTRICT OF LANZHOU.....	1052
<i>Qihong Gong, Liang Xiao, Mengtong Xu</i>	
ANALYSIS ON MANUFACTURING LOGISTICS NETWORK EQUILIBRIUM UNDER THE VMI INVENTORY MANAGEMENT MODE.....	1061
<i>Zhou Ye, Jia-Wen Zheng, Yong-Qin Wang</i>	

THE APPLICATION MANAGEMENT SYSTEM OF RAILWAY-RIVER COMBINED TRANSPORTATION UNDER CLOUD ENVIRONMENT	1071
<i>Yunxi Wang, Qiang Huang</i>	
CONSTRUCTION OF ACCIDENT RATE MODEL FOR TUNNEL GROUP SECTIONS OF EXPRESSWAY IN MOUNTAINOUS AREAS.....	1077
<i>Xiong Xin, Hai Wang, Ting Shang, Shi-Han Tian</i>	
RESEARCH ON INTERSECTION SIGNAL TIMING OPTIMIZATION BASED ON ELIMINATING SECONDARY QUEUING TIME.....	1087
<i>Zi-An Zhai</i>	
RESEARCH ON THE INFLUENCE OF SHANGHAI-KUNMING HIGH-SPEED RAILWAY ON THE ECONOMICS OF CITIES ALONG THE LINE BASED ON OPTIMIZED GRAVITY MODEL.....	1093
<i>Yuping Xu, Qiuming Zhou</i>	
VEHICLE ROUTING PROBLEM OF FRESH AGRICULTURAL PRODUCTS CONSIDERING DECAYING FACTORS	1099
<i>Shuxia Li, Zhiying Liu, Huiming Fang, Liping Liu</i>	
RESEARCH ON TIME-OF-USE PRICING METHOD OF SHARED BICYCLES.....	1105
<i>Jun Ma, Zhenzhou Yuan, Thu Phuong Tran</i>	
STUDY ON THE CAPACITY OF URBAN ROAD CONSTRUCTION SECTION UNDER MIXED TRAFFIC ENVIRONMENT	1111
<i>Yazhai Wang, Weihua Zhang, Kun Wang</i>	
PREDICTION OF CORROSION RATE IN SUBMARINE MULTIPHASE FLOW PIPELINE BASED ON PSO-SVM MODEL.....	1118
<i>Panfeng Wang, Qing Quan</i>	
ANALYSIS OF THE COLOR ON THE TUNNEL PORTAL BASED ON THE DRIVERS' HEART RATE	1124
<i>Yongsheng Duan, Yang Wei, Ting Shang, Qijin Sheng</i>	
RESEARCH ON RAILWAY PASSENGER VOLUME PREDICTION BASED ON LSTM NEURAL NETWORK.....	1131
<i>Yuping Xu, Xu Wei, Siwei Chen</i>	
PUBLIC TRANSPORT PASSENGERS' CLASSIFICATION AND PATH CHOICE CHARACTERISTICS ANALYSIS BY USING C&RT MODEL IN BEIJING	1136
<i>Jingjing Wang, Yanyan Chen, Lizeng Mao, Rui Yang, Dongyue Li, Biao Chen</i>	
OPTIMIZATION DESIGN OF EXPRESSWAY ENTRANCE AND EXIT BASED ON ACTUAL TRAFFIC FLOW CHARACTERISTICS	1147
<i>Weihua Zhang, Qiu Meng, Li Yu</i>	
LOGISTICS DISTRIBUTION MODE ANALYSIS BASED ON DEMAND FORECAST	1155
<i>Qimeng Shen</i>	
EXPLORING THE IMPACTS OF ONLINE CAR-HAILING SERVICE ON INDIVIDUALS' TRAVEL BEHAVIOR.....	1161
<i>Wenqiang Yu, Xuedong Yan, Yun Wang</i>	

PREDICTION OF SHIP ARRIVAL QUANTITY BASED ON OPTIMIZED GM (1, 1) POWER MODEL.....	1168
<i>Mingxia Zheng, Mengying Fan, Hu Liu</i>	
PREDICTION OF ARRIVAL VOLUME BASED ON IMPROVED MARKOV SCGM(1,1)C MODEL.....	1174
<i>Mengying Fan, Mingxia Zheng, Liu Hu</i>	
EVALUATION OF LANE REDUCTION "ROAD DIET" MEASURES IN CHINA	1180
<i>Jingbo Huang, Jun Ma, Duo Chen, Yongqiang Zhao, Chun Gao</i>	
METRO PASSENGER FLOW STATISTICS BASED ON YOLOV3	1187
<i>Weiming Liu, Xiaorui Du, Qinghua Geng, Jingning Li, Haiyu Li, Lan Liu</i>	
STUDY ON DESIGN PARAMETERS SETTING FOR THE JUG-HANDLE-TYPE FAR-LEADING INTERSECTION.....	1198
<i>Tao Hu, Jingsheng Chen</i>	
CHARACTERISTICS AND RENOVATION PROJECT OF GREEN LOGISTICS SYSTEM IN HENAN PROVINCE	1207
<i>Zhan-Yu Liu, Man-Man Wang, Xia-Ling Sun</i>	
CURRENT SITUATION AND DEVELOPMENT OF COMPREHENSIVE AUTOMATION TECHNOLOGY IN MARSHALLING STATION.....	1220
<i>Ke Qian, June Li, Mingyu Luo</i>	
RESEARCH AND APPLICATION OF MICROCIRCULATION THEORY IN SMALL CITIES	1226
<i>Kuanxiang Xi, Weixiong Zha, Wenqian Ji</i>	
TRAFFIC SAFETY EVALUATION BASED ON FUZZY CLUSTERING ANALYSIS: CASE STUDIES IN THE CITY-CLUSTER REGION OF BEIJING-TIANJIN-HEBEI.....	1231
<i>Tingting Gao, Xiaofeng Liu, Rui Zhang</i>	
QUALITY ASSESSMENT MODEL OF AIR TRAFFIC MANAGEMENT SERVICE PROCESS BASED ON TFN-ANP	1237
<i>Pan Weijun, Liu Haochen, Wang Rundong, Tang Jiahao</i>	
QUALITY ASSESSMENT OF AIR TRAFFIC CONTROL SYSTEM PROXIMITY CONTROL SERVICE PROCESS BASED ON PRINCIPAL COMPONENT ANALYSIS AND GREY COMPREHENSIVE ANALYSIS.....	1246
<i>Weijun Pan, Chen Li, Junxiang Huang, Rundong Wang, Yingjie Duan</i>	
THE OPTIMIZATION OF CONVENTIONAL TRANSIT NETWORK BASED ON IMPROVED GENETIC ALGORITHM.....	1254
<i>Nai Wang, Rui Li, Qianwei Zhao</i>	
TRAFFIC SIGN RECOGNITION WITH A SMALL CONVOLUTIONAL NEURAL NETWORK	1260
<i>Wenhui Li, Daihui Li, Shangyou Zeng</i>	
RESEARCH ON THE ALLOCATION OF CONTROL POSITION IN DOMESTIC AIR TRAFFIC CONTROL UNITS	1267
<i>Yong Zhang, Shazhou Jin</i>	
PREDICTION OF DRIVER'S STOP-GO DECISION AT SIGNALIZED INTERSECTION BASED ON EEG	1272
<i>Jiahao Zhou, Xuedong Yan, Ke Duan, Yuting Zhang, Jingsi Yang</i>	

ANALYSIS OF THE CHARACTERISTICS OF WEIGHTED COMPLEX PUBLIC TRANSIT NETWORK IN XINING CITY	1279
<i>Pu Han</i>	
RESEARCH ON BUS STATION SETTING OF ADJACENT SIGNALIZED INTERSECTION BASED ON VISSIM.....	1289
<i>Hongting Chen, Qingxia Xie, Rong Wang</i>	
VEHICLE-BRIDGE COUPLING VIBRATION OF CURVED BEAM BRIDGE UNDER EARTHQUAKE EXCITATION.....	1295
<i>Jian Shen, Lang Wu</i>	
RESEARCH OF EMERGENCY FEEDER BUS SCHEME FOR URBAN RAIL TRANSIT UNDER UNEXPECTED INCIDENT	1299
<i>Jiarui Liu, Xianyu Wu</i>	
A RESEARCH OF ELECTRICAL ENGINEERING AND AUTOMATION-BASED INTELLIGENT TECHNOLOGY APPLICATION.....	1305
<i>Zhiwen Wei, Zhao Li, Yaolin Liang, Xuejin Huang, Liwei Yu, Haiyan Sheng, Li Fan</i>	
CONSTRUCTION OF CONTROL INFORMATION SYSTEM AND DYNAMIC SAFETY RISK MANAGEMENT FOR METRO CONSTRUCTION	1311
<i>Meng Li, Dengfeng Wu, Yujie Gong</i>	
RESEARCH ON RISK EARLY WARNING MECHANISM OF URBAN METRO CONSTRUCTION	1317
<i>Meng Li, Denghui Wu, Jian Zou</i>	
THE DESIGN OF EARLY WARNING INDEXES OF SAFETY RISK FOR SUBWAY SHIELD CONSTRUCTION	1322
<i>Meng Li, Yu Liu, Yujie Gong</i>	
OPTIMIZATION MODEL AND ALGORITHM OF LOGISTICS DISTRIBUTION PATH BASED ON URBAN ROAD NETWORK TIME-VARYING.....	1328
<i>Zhang Cheng, Wenqian Ji, Xingjun Lu</i>	
RESEARCH ON FINANCIAL BENEFIT DISTRIBUTION OF SUPPLY CHAIN FINANCE BASED ON RISK FACTOR	1333
<i>Yiguo Deng</i>	
DESIGN OF SIMULATION SYSTEM FOR RAILWAY FREIGHT LOADING AND STRENGTHENING TRAINING BASED ON VR	1339
<i>Jie Deng</i>	
RESEARCH ON OPTIMIZED STRATEGY OF MICRO-ROAD NETWORK IN JINAN ANCIENT CITY	1343
<i>Tong Hao, Ning Qiao</i>	
EXPERIMENTAL AND NUMERICAL RESEARCH ON THE SAFETY OF AN EMU RUNNING ON A NORMAL-SPEED RAILWAY LINE UNDER STRONG WIND	1348
<i>Jun Xu, Zhengwei Chen, Tanghong Liu</i>	
STUDY ON THE OPTIMAL SAFETY DISTANCE FOR TURN-BACK LINE OF REGIONAL RAILWAY	1355
<i>Haiou Shi, Hui Zhang, Shuang Li, Jiaqian Chen, Yuanguang Sun</i>	

CSTM: CLUSTER-BASED SECURITY TRUST MECHANISM FOR VANET.....	1361
<i>Jijin Wang, Xiaoqiang Xiao, Lu Peng</i>	
RESEARCH ON OPTIMAL PATH SELECTION OF MUCK TRUCK CONSIDERING TIME COST AND SAFETY RISK	1372
<i>Fangjian Shang, Fujun Wang, Xiaofeng Zhang, Jun Bi</i>	
AN OPTIMAL PLAN OF TRANSPORTATION TERMINALS IN METROPOLITAN AREA	1378
<i>Yang Xiong, Chun-Fu Shao, Jing Wang</i>	
SAFETY EVALUATION AND RISK REASONING OF METRO STATION BASED ON IFPN	1385
<i>Ke Wang, Ying Huang, Lili Zhang</i>	
INVESTIGATION AND ANALYSIS ON TRAFFIC SAFETY OF LOW-SPEED ELECTRIC VEHICLES.....	1393
<i>Yanhui Fan, Wang Yan, Lingyun Xiao, Zhao Wei, Haiyun Sun</i>	
RESEARCH ON VEHICLE SPEED CALCULATING METHOD OF TRAFFIC ACCIDENT BASED ON REDUPLICATED VIDEO.....	1399
<i>Liang Wei, Yan Wang</i>	
THE MERGING CONTROL METHOD OF ON-RAMP VEHICLES BASED ON COOPERATIVE VEHICLE INFRASTRUCTURE SYSTEM FOR HIGHWAY ENTERING RAMP.....	1405
<i>Honghai Li, Rongjian Dai</i>	
RESEARCH ON INTELLIGENT NETWORKING AUTOMOTIVE TECHNOLOGY AND INFORMATION SECURITY BASED ON CAN BUS.....	1413
<i>Chen Chen, Boxin Zhang, Min Liu, Shi Wei, Jing Zhang, Lingcai Shen</i>	
GREY CORRELATION ANALYSIS OF LOGISTICS INFORMATION SERVICE INDUSTRY AND THREE INDUSTRIES IN CHINA.....	1417
<i>Xiaomin Wang, Zhang Yi, Jinhui Li, Zhang Meng, Zhixin Wang</i>	
EVALUATING THE IMPACT OF ROAD CONSTRUCTIONS ON OVERSATURATED INTERSECTIONS: A SIMULATED-BASED CASE STUDY.....	1422
<i>Enjian Yao, Hao Shen, Ning Huan</i>	
LAYOUT OF GUIDANCE SIGNS IN PASSENGER HUBS BASED ON PASSENGER ACTIVITY LINE	1429
<i>Hao Yue, Mengyu Zhang, Yifeng Duan, Bingjian Yang</i>	
SIMULATION-BASED ANALYSIS OF TRAFFIC EFFICIENCY AT SIGNAL INTERSECTION.....	1437
<i>Jiannan Yu, Jing Wang, Chunfu Shao</i>	
ANNOYANCE-RATE-AND-CASUALTY-REALITY-BASED METHOD OF COMFORT EVALUATION OF MILITARY AMBULANCE	1443
<i>Jing-Tao Yue, Zai-Kang Fu, Shi-Jian Yang</i>	

PART 3

RESEARCH ON SECONDARY COLD CHAIN INVENTORY STRATEGY OF FRESH MEAT PRODUCTS	1449
<i>Qiming Wang, Yuzhong Yang</i>	

RESEARCH ON ORDER ALLOCATION OF SINGLE-CYCLE MULTI-TYPE LOGISTICS SERVICE	1458
<i>Yanyong Hu, Zhiqiang Fan</i>	
RESEARCH ON VEHICLE ROUTING OPTIMIZATION FOR RURAL EXPRESS JOINT DISTRIBUTION	1466
<i>Shengtai Jia, Chunyun Zhang, Kefeng Wang</i>	
APPLICATION OF SPLIT DELIVERY VEHICLE ROUTING PROBLEM IN URBAN EXPRESS JOINT DISTRIBUTION	1475
<i>Chunyun Zhang, Huawei Ji, Shengtai Jia, Kefeng Wang</i>	
APPLICATION OF METAL WEAR SELF-REPAIR TECHNOLOGY IN AUTOMOBILE ENGINE MAINTENANCE	1482
<i>Changrun Liu</i>	
INTELLIGENT METHOD OF CUSTOMS INSPECTION PLATFORM BASED ON MACHINE VISION	1487
<i>Yali Wang, Xing Fu, Hong Li</i>	
RESEARCH ON THE KEY TECHNOLOGY OF THE HEAT INSULATION AND SOUND INSULATION OF THE ULTRA-LOW ENERGY-CONSUMPTION GREEN FLOATING FLOOR	1495
<i>Xiuying Li</i>	
OPTIMIZATION DESIGN OF DIGGING MECHANISM FOR ONION HARVESTER BASED ON FINITE ELEMENT SIMULATION TECHNOLOGY	1502
<i>Yong Yang, Tianxin Kou, Shuai Peng, Chao Wang, Guofang Hu</i>	
A REVIEW OF AI TECHNOLOGIES FOR WEARABLE DEVICES	1508
<i>Chun Yu Jin</i>	
RESEARCH ON HIGH TEMPERATURE AGING DETECTION METHOD OF HEAT RESISTANT STEEL BASED ON NONLINEAR ULTRASOUND DETECTION TECHNOLOGY	1514
<i>Danqi Wang, Yuanjin Ling</i>	
ANALYSIS OF INJURY FACTORS IN CAR-BICYCLE COLLISION	1519
<i>Na Yang, Yan Li, Tao Liu, Hongguang Zhao, Jianfeng Wang</i>	
MECHANICAL STRUCTURE DESIGN OF UNDERGROUND LOGISTICS SYSTEM BASED ON PASSENGER AND FREIGHT TRANSPORTATION	1525
<i>Qhanzhen Li, Yunfei Lai, Qiang Wang, Zhenyu Lu</i>	
RESEARCH ON APPLICATION TECHNOLOGY OF MOLYBDENUM TAILINGS SAND CONCRETE	1535
<i>Xiaobin Chen</i>	

ENGINEERING MANAGEMENT

RESEARCH ON LEVERAGE EFFECT AND RISK FLUCTUATION OF SHANGHAI AND SHENZHEN STOCK MARKETS BASED ON GARCH FAMILY MODEL	1541
<i>Liting Wang</i>	
COOPERATION STRATEGY OF RETAILER DROP-SHIPPING IN DUAL-CHANNEL SUPPLY CHAIN UNDER NON-COOPERATIVE GAME	1547
<i>Huang Fang, Song Han</i>	

PERFORMANCE EVALUATION OF URBAN MANAGEMENT GOVERNMENT'S PUBLIC SERVICE: BASED ON THE DATA OF BEIJING GOVERNMENT PERFORMANCE SURVEY	1559
<i>Cong Wang, Zhou Yan, Chong-Rui Liu</i>	
RESEARCH ON DESIGN, PRODUCTION AND SALES FACTORS OF MOBILE PHONE BASED ON ONLINE REVIEW ANALYSIS	1565
<i>Tianlu Zhu, Zixuan Wang</i>	
ANALYSIS ON THE INFORMATION MANAGEMENT OF SOCIAL SECURITY.....	1571
<i>Han Wang, Longzhu Liu</i>	
RESEARCH ON THE INCENTIVE OPTIMIZATION OF SCIENTIFIC AND TECHNOLOGICAL INNOVATION IN STATE-OWNED ENTERPRISES.....	1577
<i>Han Wang, Shude Shi</i>	
RESEARCH ON THE RELATIONSHIP BETWEEN INSTITUTIONAL INVESTOR HETEROGENEITY AND CORPORATE ENVIRONMENTAL RESPONSIBILITY.....	1582
<i>Chen Shen</i>	
RESEARCH ON DEMAND FORECAST OF VEHICLE TURNOVER EQUIPMENT BASED ON GM(1,1)-BP COMBINED MODEL	1588
<i>Dapeng Zhang, Fengju Li, Fengzhong Wang, Xinpeng Xie</i>	
RESEARCH ON THE VEHICLE TURNOVER EQUIPMENT INVENTORY DEMAND FORECASTING BASED ON SYSTEM DYNAMICS.....	1599
<i>Dapeng Zhang, Fengju Li, Fengzhong Wang, Rui Gao</i>	
AN EMPIRICAL RESEARCH ON THE EFFECT OF DRIVER TRAINING INDUSTRY ON ROAD TRAFFIC SAFETY	1610
<i>Ni Sun, Lei Feng, Ruqing Wei</i>	
THE TRANSFORMATION OF THE FUTURE TRANSMISSION AND DISTRIBUTION COST ACCOUNTING METHOD OF POWER GRID ENTERPRISES UNDER THE BACKGROUND OF NEW ELECTRICITY REFORM.....	1622
<i>Ge Zhang, Chao Zhang, Yiqun Hao, Ruonan Bao</i>	
COORDINATION EVALUATION OF REGIONAL HSER COMPLEX SYSTEM: AN EMPIRICAL ANALYSIS BASED ON 14 MAJOR CITIES IN CHINA.....	1629
<i>Gangqiang Luo, Qin Wang</i>	
AN EMPIRICAL STUDY ON THE IMPACT OF LEADERSHIP STYLE ON MINERS' SAFETY PERFORMANCE	1636
<i>Song Li, Jian Sun</i>	
A MULTI-ATTRIBUTE DECISION-MAKING OPTIMIZATION ALGORITHM BASED ON CONFLICT EVIDENCE FUSION AND CLOUD MODEL.....	1642
<i>Ni Zichun, Xuan Wang, Di Peng</i>	
A STUDY ON GROUP EVENTS IN FRONTIER ETHNIC AREAS BASED ON SYSTEM THEORY AND STRUCTURE MODEL.....	1651
<i>Yue Qingchun, Huawei Wang</i>	
THE IMPACT OF AUDITOR SWITCH ON PRIVATE SECTOR'S FINANCIAL CONSTRAINTS DURING THE IMPLEMENTATION OF THE PPP CONTRACT: EMPIRICAL ANALYSIS BASED ON PSM-DID MODEL.....	1655
<i>Nuo Li</i>	

ANALYSIS OF THE INFLUENCE OF HIGH-SPEED RAILWAY ENGINEERING CONSTRUCTION MANAGEMENT ON ENTERPRISE INNOVATION MANAGEMENT PERFORMANCE	1662
<i>Xiang Xiao, Wenzhuo Wei</i>	
MANAGEMENT ABILITY, PROPERTY RIGHTS AND CORPORATE M&A PERFORMANCE — EMPIRICAL EVIDENCE BASED ON ENGINEERING COMPANIES	1669
<i>Xiapiao Xue, Wenxing Li</i>	
THE RESEARCH ON FAIR VALUE AND AUDIT FEES –BASED ON ENGINEERING MANAGEMENT ENTERPRISE.....	1675
<i>Ya Zhang</i>	
STUDY ON DIVIDEND PAYMENT TENDENCY OF ENGINEERING MANAGEMENT ORGANIZATION.....	1681
<i>Ying Xu</i>	
INDUSTRIAL COMPANY FINANCIALIZATION AND INNOVATION LEVEL	1687
<i>Yueling Yan, Yuanhui Li</i>	
WILL INDUSTRIAL RESTRUCTURING UNDER THE INFRASTRUCTURE SECTOR PROMOTE LOCAL GOVERNMENTS TO ADOPT THE PPP MODEL?	1693
<i>Yujie Liu</i>	
RESEARCH ON ECO-EFFICIENCY EVALUATION AND INFLUENCING FACTORS OF FIVE URBAN AGGLOMERATIONS IN CHINA	1700
<i>Qinghui Wang</i>	
ENLIGHTENMENT OF THEMATIC KNOWLEDGE MAP ANALYSIS OF HUMAN RESOURCE MANAGEMENT PRACTICE TO ENGINEERING MANAGEMENT IN CHINA.....	1718
<i>Xiaona Bao, Linlin Zhang, Weihua Yang</i>	
THE RESEARCH CONTENT, CHARACTERISTICS AND FUTURE TREND OF CHINESE CULTURAL BRAND—FROM THE PERSPECTIVE OF LITERATURE ANALYSIS.....	1724
<i>Kejia Zhang, Zongshui Wang, Jian Zhang</i>	
ANALYSIS OF THE WHOLE INDUSTRY CHAIN OF JIANG XIAOBAI SORGHUM WINE	1734
<i>Yiwen Zhang</i>	
STOCK PLEDGE OF ULTIMATE OWNER INFORMATION TRANSPARENCY AND CONSTRUCTION PROJECTS COST	1739
<i>Ji Yang</i>	
CONSTRUCTION OF ENGINEERING PROJECT MANAGEMENT INFORMATIZATION	1746
<i>Xinghua Du, Miaoling Han, Guofeng Zhang, Zhang Yin, Mingli Ding</i>	
APPLICATION OF COMPUTER APPLICATION TECHNOLOGY IN ENGINEERING PROJECT MANAGEMENT	1750
<i>Liangliang Yu, Gao Yang, Zhang Yin, Mingli Ding</i>	
RESEARCH ON THE DIRECTION OF AVIATION POWER OPERATION CAPABILITY IMPROVEMENT.....	1754
<i>Guangrui Tang, Jiaxu Cheng</i>	
EXPLORATION ON CONSTRUCTION OF ENGINEERING MANAGEMENT RELATED COURSES BASED ON OUTCOME-BASED EDUCATION MODEL	1758
<i>Bing Wang, Ying-Dong Wu</i>	

COMPARATIVE STUDY ON FINANCIAL CALCULATION INDICATORS OF PPP PROJECT	1764
<i>Shunqing Xu, Shuangliu Liu, Liang Cheng, Jun Gao, Peng Chen</i>	
SOCIAL RISK ASSESSMENT OF ENGINEERING PROJECT BASED ON ORDERED VOTING MODEL	1773
<i>Jian Yang, Xinyu Kuang</i>	
VISUALIZATION RESEARCH AND ANALYSIS OF TOP MANAGEMENT TEAM CHARACTERISTICS IN ENGINEERING PROJECTS.....	1779
<i>Hui Liu, Huijuan Yang, Tiantian Zhang</i>	
PREDICTED MODEL OF ECOLOGICAL FOOTPRINT BASED ON PLCA.....	1785
<i>Qiong Shen, Yaodan Liu, Qiong Shen</i>	
RESEARCH ON CONSTRUCTION ENGINEERING PROJECT MANAGEMENT OPTIMIZATION BASED ON C4.5 IMPROVED ALGORITHM.....	1793
<i>Yawen Zhong</i>	
NEW CHANGES IN QUALITY MANAGEMENT SYSTEM REQUIREMENTS AND SUGGESTIONS FOR ORGANIZATIONAL IMPLEMENTATION OF NEW STANDARDS	1800
<i>Zhipeng Sun, Guiming Chen</i>	
FACTORS ANALYSIS ON CHINESE CONSUMERS' ATTITUDE TOWARDS ELECTRIC VEHICLES BASED ON ONLINE REVIEWS.....	1807
<i>Ruiting Wang</i>	
THE RELATIONSHIP BETWEEN MANAGEMENT CHANGES AND CORPORATE DEBT COSTS BASED ON ENGINEERING MANAGEMENT	1813
<i>Hui Wu, Jiewu Hu</i>	
GAME ANALYSIS ON GOVERNMENT SUBSIDY FOR AGRICULTURAL ENTERPRISE' IOT INVESTMENT	1819
<i>Na Fu, Xirui Zhang, Zhidan Jia</i>	
RESEARCH ON THE CONSTRUCTION OF GREEN MANAGEMENT INFORMATION SYSTEM FOR SUSTAINABLE DEVELOPMENT	1828
<i>Kunyu Cao, Yongdang Chen, Bingbing Qiang</i>	
RISK ANALYSIS OF CONSTRUCTION PROJECT LIFE CYCLE INFORMATION MANAGEMENT BASED ON SYSTEM DYNAMICS.....	1836
<i>Heshan Fan, Huiying Gao</i>	
A RESEARCH ON THE CORRELATION BETWEEN INTERNAL CONTROL QUALITY AND FINANCIAL PERFORMANCE	1842
<i>Junxin Gao</i>	
RESEARCH ON THE EXTRACTION OF EVALUATION INDEX OF UNIVERSITY DORMITORY FIRE SAFETY	1848
<i>Lining Zhang, Liangqiong Fan</i>	
COMPREHENSIVE COST-EFFECTIVENESS STUDY OF DISTRIBUTED PHOTOVOLTAIC PROJECTS IN JIANGSU	1854
<i>Guiyuan Xue</i>	
THE IMPACT OF R&D INVESTMENT ON THE VALUE OF CONSTRUCTION COMPANIES BASED ON ENGINEERING MANAGEMENT.....	1860
<i>Ruijie Xin, Hejie Sun</i>	

A MODELING STUDY ON THE SYSTEM DYNAMICS OF INDUSTRY-UNIVERSITY-RESEARCH INSTITUTE COOPERATIVE INNOVATION IN THE INNOVATIVE FACTOR AGGLOMERATION CENTER IN DEVELOPING COUNTRIES—ILLUSTRATED BY THE CASE IN SICHUAN PROVINCE, CHINA	1865
<i>Xiaolu Zhang</i>	
RESEARCH ON SCHEDULING PROBLEM OF DISCRETE MANUFACTURING WORKSHOP FOR MAJOR EQUIPMENT IN COMPLICATED ENVIRONMENT	1882
<i>Ruxiao Chen, Jianfeng Lu, Hao Zhang, Luyao Xia</i>	
ANALYSIS OF ENGINEERING STRUCTURE DESIGN AND MANAGEMENT MODE OF LIHUAYI GROUP MEDIA CENTER	1889
<i>Guanyi Yu, Yueyang Guo</i>	
RESEARCH ON M&A PERFORMANCE OF LISTED COMPANIES IN INTERNET INDUSTRY BASED ON ENGINEERING MANAGEMENT.....	1895
<i>Ning Cui</i>	
SOCIAL RESPONSIBILITY OF ENGINEERING AND CONSTRUCTION ENTERPRISES UNDER THE "BELT AND ROAD"	1901
<i>Xueying Chen</i>	
INDEX DESIGN OF URBAN PAVEMENT MANAGEMENT BASED ON AHP	1907
<i>Yongtao Zhou, Qianqian Huang, Weijing Chen</i>	
RESEARCH ON THE INFLUENCING FACTORS OF CHINA'S SERVICE TRADE INTERNATIONAL COMPETITIVENESS BASED ON MICHAEL PORTER DIAMOND MODEL.....	1914
<i>Yuhang Li, Shangcong Yang, Cong Liu, Shichao Sun, Jian Chen</i>	
ANALYSIS OF AGRICULTURAL TECHNOLOGY INNOVATION EFFICIENCY AND INFLUENCING FACTORS IN SHANDONG PROVINCE BASED ON DEA-TOBIT MODEL	1920
<i>Hui Yue, Chenghao Sun</i>	
EMPIRICAL STUDY ON THE TREND OF INTERREGIONAL INDUSTRIAL TRANSFER SINCE THE FINANCIAL CRISIS: BASED ON ELECTRICITY CONSUMPTION DATA	1928
<i>Xiang Wang, Xiandong Tan, Jiaying Zhang</i>	
PRACTICE AND THOUGHTS ON CULTIVATION OF GRADUATE STUDENTS MAJORING IN ENGINEERING MANAGEMENT	1934
<i>Qin Yin, Jie Zhao, Huachen Zhao, Yunqiang Zhang</i>	
THE IMPACT OF GOVERNMENT SUBSIDY OF MANUFACTURING FIRM INNOVATIVE DECISION IN THE BACKGROUND OF LOW-CARBON	1939
<i>Xiaotian Cai, Yang Yang, Zhe Li</i>	
DYNAMIC SCHEDULE METHOD BASED ON ROLLING HORIZON PROCEDURE FOR A DISCRETE MANUFACTURING SHOP WITH UNCERTAIN PROCESSING TIME.....	1949
<i>Ming Li, Peipei Yang, Yiping Yuan, Xie Wang, Dai Yi</i>	
CORPORATE POLITICAL ACTION AND INTERNATIONAL JOINT VENTURE FORMATION IN OVERSEAS ENGINEERING CONSTRUCTION	1957
<i>Xiaodong Li, Haixu Song, Jianhui Liao</i>	
IMPLEMENTATION DETAILS OF QUALITY EVALUATION SYSTEM FOR MANUFACTURING ENTERPRISES OF LARGE PISTON COMPRESSORS.....	1962
<i>Guangfan Gao, Lixin He, Heping Wu, Liangliang Sun</i>	

IMAGINATION OF THE YANGTZE RIVER DEMONSTRATION DISTRICT	1969
<i>Xin Lin, Zhehua Du</i>	
A REVIEW OF RESEARCH ON COOPERATION EXPERIENCE AND TRUST IN ENGINEERING PROJECT COOPERATION	1975
<i>Xiaodong Li, Jianhui Liao, Haixu Song</i>	
RESEARCH ON ASSET MANAGEMENT OF POWER GRID ENGINEERING BASED ON ASSET GROUP	1980
<i>Yun Rui, Zhuzhou Hu, Sun Qian, Yang Li, Ran Wei, Qing Tang</i>	
RISK ASSESSMENT METHOD BASED ON FACTOR ANALYSIS AND CLOUD MODEL AND ITS APPLICATION	1992
<i>Jiakun Li, Yanbin Li, Xiaoming Han</i>	
RESEARCH ON PRICING STRATEGY OF ELECTRICITY TRANSMISSION-DISTRIBUTION BASED ON SYSTEM DYNAMICS	1999
<i>Jianghua Liu, Yalin Chen, Jiaojiao Liu, Ziqi Dong, Yao Zhu</i>	
THE APPLICATION OF EPC GENERAL CONTRACTING MODEL IN MUNICIPAL ROAD ENGINEERING	2004
<i>Shaofu Li</i>	
ANALYSIS OF INFLUENCING FACTORS OF CONSTRUCTION ENGINEERING MANAGEMENT AND DISCUSSION OF STRATEGIES	2009
<i>Nan Zhang</i>	
EVALUATION OF CHARM FACTORS OF SHORT VIDEO USER EXPERIENCE USING FAHP – A CASE STUDY OF TIK TOK APP	2014
<i>Yu-Liang Feng, Chun-Chin Chen, Shu-Ming Wu</i>	
STUDY ON CONTRACTUAL AND RELATIONAL GOVERNANCE MECHANISM IN ENERGY PERFORMANCE CONTRACTING PROJECTS BASED ON LIFE CYCLE	2019
<i>Zhenni Pan, Chen Xia, Meian Tang</i>	
RESEARCH ON COLLABORATIVE CONSTRUCTION OF MULTIPLE SUBJECTS INSIDE AND OUTSIDE THE ENGINEERING PROJECT TEAM: BASED ON THE PERSPECTIVE OF PRINCIPAL-AGENT THEORY	2025
<i>Zenghai Wu, Beijie Yin, Yang Jin</i>	
RESEARCH ON THE RELEVANCE OF CHINA'S CONSTRUCTION INDUSTRY, REAL ESTATE INDUSTRY AND FIXED ASSETS INVESTMENT	2033
<i>Miaomiao Liu, Fan Chen, Kelan Guo</i>	
RESEARCH ON THE INFLUENCING FACTORS OF POWER DEMAND IN CHINA	2042
<i>Haixu Song, Xiaoxuan Zhang, Rui Li</i>	
THE DETERMINANTS OF REWARD-BASED CROWDFUNDING PROJECT DELIVERY PERFORMANCE: A CONFIGURATIONAL MODEL BASED ON LATENT DIRICHLET ALLOCATION	2047
<i>Yijing Wang, Feng Yi, Junhao Hu</i>	
RESEARCH ON TRANSMISSION LINE PROJECT COST FORECAST METHOD BASED ON BP NEURAL NETWORK	2054
<i>Chaochen Xu, Ying Wang, Ke Ye, Shiming Zhang, Meihua Zou, Chao Chen</i>	

APPLICATION OF A NOVEL GREY MODEL WITH DYNAMIC BACKGROUND VALUE TO FORECAST NUCLEAR GENERATION IN CHINA	2060
<i>Xiwang Xiang, Zhang Peng, Lang Yu, Lizhi Yang</i>	
EMERGENCY SAFETY EVACUATION DECISION BASED ON DYNAMIC GAUSSIAN BAYESIAN NETWORK.....	2068
<i>Junning Feng, Qifeng Wang</i>	
ANALYSIS ON THE KEY PROBLEMS OF CHINESE COTTON FULL MECHANIZATION BASED ON SYSTEM ENGINEERING THEORY	2076
<i>Hui Yue, Chenghao Sun</i>	
RISK ASSESSMENT OF RENOVATION PROJECTS OF EXISTING BUILDINGS IN HOSPITALS BASED ON FUZZY AHP METHOD.....	2082
<i>Yapeng Tian, Zhanyong Jin</i>	
COMPREHENSIVE TRANSPORTATION SYSTEM PLANNING UNDER THE GREEN CONCEPT.....	2089
<i>Zhao Wei</i>	
AN EXPERIMENTAL RESEARCH ON DECISION-MAKING BEHAVIOR IN LONG-TERM ENGINEERING PROJECT INVESTMENT.....	2093
<i>Kai Gao, Hui Wang</i>	
VOLUME FRACTURING OF TEMPORARY PLUGGING AGENT FOR OIL WELL.....	2101
<i>Xiaoya Chen, Liang Huang, Dan Zhou, Yangping Peng</i>	
SPATIAL CHANGES OF URBAN HOUSING PRICES: ANALYSIS OF TRAFFIC COSTS BASED ON TAIYUAN	2108
<i>Huaping Zhao, Xu Wei</i>	
MODEL AND ALGORITHM FOR CO-SCHEDULING OF STACKERS AND SINGLE RGV DURING RETRIEVAL PROCESS IN AS/RS.....	2115
<i>Pengpeng Hu, Hua Chen, Xinpeng Wang, Menghua Shi</i>	
RESEARCH ON 3D VISUALIZATION DESIGN OF INDUSTRIAL PRODUCTION MANAGEMENT SOFTWARE.....	2122
<i>Zhengqing Jiang, Xiaohui Xu</i>	
THE CAUSE OF HIGHLY FREQUENT COMMERCIAL BRIBERY DURING THE INVITATION AND SUBMISSION OF BIDS FOR ENGINEERING PROJECTS AND THE COUNTERACTION—THE ANALYSIS BASED ON WSR METHODOLOGY.....	2127
<i>Tiecheng Yan, Yuanfang Lv</i>	
THE STUDY ON THE MANAGEMENT OF ENTREPRENEURSHIP ENGINEERING BASED ON ART DESIGN.....	2133
<i>Yajie Lv</i>	
RESEARCH ON IMPROVEMENT OF ENTREPRENEURSHIP PROJECT MANAGEMENT ABILITY	2138
<i>Juan Yang</i>	
RESEARCH ON PROJECT PORTFOLIO SELECTION OF MARITIME SEARCH AND RESCUE SYSTEM-OF-SYSTEMS CONSTRUCTION BASED ON DOMINANCE AND MULTI-DOMAIN RELATIONSHIP	2144
<i>Wangchi Cheng, Shuhui Zhen, Wang Jin</i>	

STUDY ON THE OPERATING MECHANISM OF TAobao VILLAGE ECOSYSTEM FROM THE PERSPECTIVE OF INFORMATION MANAGEMENT	2150
<i>Liting Wang, Hao Zhang</i>	
THE EXPLORATION AND APPLICATION RESEARCH OF EMERGING TECHNOLOGIES IN OPERATION AND MAINTENANCE OF LARGE POWER GRID ENTERPRISES	2155
<i>Yong Zhang, Liu Jin, Yini Wang, Haoyang Liu</i>	
RESEARCH ON THE IMPROVEMENT OF MANAGEMENT AND CONTROL ABILITY OF LARGE-SCALE POWER GRID ENTERPRISES UNDER THE CONDITION OF EMERGING TECHNOLOGIES.....	2161
<i>Yong Zhang, Liu Jin, Tan Qian</i>	
THE EXPLORATION AND APPLICATION RESEARCH OF EMERGING TECHNOLOGIES IN MATERIAL MANAGEMENT BUSINESS OF LARGE POWER GRID ENTERPRISES	2167
<i>Yong Zhang, Liu Jin, Shang Hao</i>	
IMPACT MECHANISM OF SHARED LEADERSHIP BEHAVIOR ON THE PERFORMANCE OF LARGE-SCALE ENGINEERING CONSTRUCTION PROJECTS	2172
<i>Yuelan Ding, Jing Wang, Jian Su</i>	

Author Index