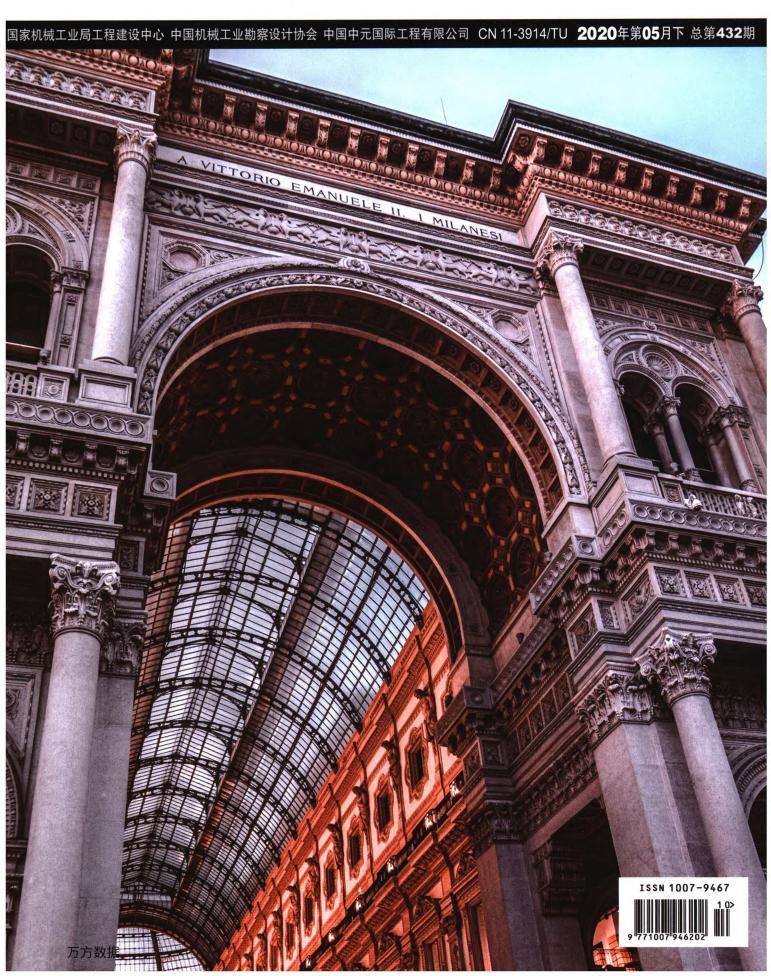




# 工程建设与设计



# 建筑与结构设计

- 1 某大跨度、长悬挑钢管桁架收费站雨棚结构设计(周先祥)
- 4 摩擦摆支座在高层连体屋盖中的应用研究 (李新舫,张志强,缪志伟,张琦,赖萌)
- 8 中小城市官居环境建设的思考和探索(郭颖颖)
- 10 叠合剪力墙制造技术(李建航)
- 12 民用高层钢筋混凝土建筑结构设计优化(王磊)
- 14 关于地下商业防火设计的一点思考(赵丽)
- 16 幼儿园建筑与景观一体化设计探讨(李翠翠)
- 18 提升型产业园区规划的现实困境与实施策略研究(刘源)
- 20 探讨倾斜摄影测量技术在农村房地一体地籍测量中的应用(储智)

# 基础工程设计

- **22** 基于强度折减法和极限平衡法的含软弱夹层边坡的稳定性分析研究 (赵虎,张金)
- 25 地质找矿勘查技术原则及方法创新分析(念红)
- 27 振动沉管碎石桩在复合地基处理中的应用(易剑辉,郭志辉,余文龙)
- 29 建筑施工中深基坑支护的施工技术与管理(杨彦生)

# 公用工程设计

- 31 数据中心供配电系统发展趋势分析(李燕)
- 33 500kV输电线路运行中的防雷技术(周鹏程)
- 35 电力工程设计中电力规划设计的应用研究(刘德涛)
- 37 刍议机场通信导航台站接地技术与方法(郭彦涛)
- 39 寒冷地区冬季免费供冷在低温工艺冷却水中的应用(王晓卫)
- 41 预制分支电力电缆在综合体建筑中的应用(王志虎,孟繁昌)

### 市政·交通·水利工程设计

- 43 地铁车站深基坑涌水量预测分析(王建军)
- **46** 广州地铁嘉禾望岗站14号线开通初期拥堵情况分析及解决方案 (黄嘉)
- **49** 基于分流理念的东莞市新开河系统内涝整治工程设计 (张晓维,胡亮)
- **51**  $T_2b^2$ 地层隧道围岩的主要工程地质问题及特性 (张毅, 杜宇本, 向道银)
- 54 软弱地质条件下土压盾构穿越建构筑物关键技术措施(潘璐)
- 56 淤泥质黏土层中盾构区间上方基坑开挖施工(杨泽民)
- 59 北横通道新建二期工程FB辅道桥顶推施工技术及计算研究(徐慧文)
- 62 GPS-RTK技术在道路修复提升改造工程中的应用(虞卓亮,王正炎)
- 64 基于"窄路密网"规划模式的市政管线设计探讨(刘建苛)

- **67** 海绵城市设计理念在城市建设中的研究与实践 (张卫艳,李磊)
- 69 城市下穿通道排水系统设计分析(张媛)
- 71 海绵城市居住区绿地植物景观营造探析(蹇令德,杨西文)
- 73 云南城镇上山道路路线总体设计(陈旭飞)
- 75 对路桥工程施工技术及质量控制措施的探讨(刘富)
- 77 隧道仰拱隆起处理方法(罗雪松)
- 79 试论小净距偏压隧道在软弱围岩段的施工技术控制要点(陈祥林)
- 81 轮缘润滑装置在城市轨道车辆中的应用(张钊)
- 83 特殊季节下的无砟轨道施工技术研究(朱赟)
- 85 隧道附属设施病害的影响和处置(宓乔宁)
- 87 人性化设计理念在城市道路设计中的应用分析(李媛)
- **89** 基于向叶尔羌河流域重点胡杨林区生态输水成效的思考 (木尼热·亚森)
- 91 航道疏浚淤泥吹填区域地基处理方法研究(赵乐)

# 工业工程设计

- 93 制冷站冷却塔节能控制策略优化探讨(陈杰)
- 95 煤仓加固方案(李强)
- 97 500kV变压器现场大修工艺技术研究(刘衍坤)
- 99 放射性含铯废液处理技术进展(郑文俊,李腾,游新锋,张振涛)
- 102 GIS与容性设备带电检测与停电试验对比分析研究(刘潇)
- 104 高压水洗柱塞泵使用寿命的提高(俞强文,刘智强)
- 106 汽轮机旁路系统在调峰过程中提高热源输出的技术研究(吴小杰)
- 108 核电厂辐射监测系统调试探讨(杨康,齐宇虹,王欣)
- 110 袋式除尘器的发展及其在高温条件下的应用研究(南静)
- 112 电气自动化在电力工程中的应用(吕哲颖)
- 114 机械工程中机电一体化的应用发展研究(王庭林,刘太贵)
- 116 光电传感器在自动化生产线上的应用研究(雷艺聪)

### 环境工程设计

- 118 声环境超标区域新建轨道项目交通噪声治理原则的探讨(王飞翔)
- 120 超滤膜技术在环境工程水处理中的应用(郭瑛)
- 122 地质灾害勘查与环境治理研究(刘云,吴湘炬,杨承卓,王紫隆)
- **124** 污水处理厂提标扩建期间水质水量的应急工程 (吴奉爱,余向京,罗欣阳)
- 126 有色金属矿山开发对地下水环境的影响及防治措施(范书凯)
- 128 含油污水处理和回用水处理工艺设计(陈曦)
- 130 城市黑臭水体治理与水质长效改善保持技术分析(杨大巍)
- 132 某化工厂旧址污染土壤和地下水修复工程分析(张亚娇)

Τ

S

# 工程施工技术

- 134 400t履带吊地下室外吊装行走道路处理技术(佘远健)
- 137 受限空间盾构机平移空推施工技术(琚超)
- **139** 一种基于BIM技术的大体积混凝土循环冷却水管快速布置方法 (龙桂元, 韩春龙, 李大卫)
- 141 城市快速路新建工程预制立柱的安装技术(袁文璟)
- 143 土木工程灌浆技术的应用与实施要点探究(徐文东)
- **145** 施工现场装配式临时路面防水分析 (吴家雄,李中定,宋啸,孙晗,甄贞)
- 148 新形势下测绘工程中测量技术的发展和应用(邹烈国)
- 150 公路路基路面施工问题及对策(贾艳杰)
- **153** GPS在公路桥梁施工控制测量中的应用(任洪军)
- 155 下承式钢管拱桥混凝土顶升施工工艺(邓志成)
- 157 道桥施工中路面病害分析与维护技术(郑俊峰)
- **159** 交通安全设施的施工管理与施工技术(刘翔宇)
- 161 后浇带处超重梁模架体系的施工要点分析(吕宏伟)
- **163** 先简后连空心板梁桥湿接头砂箱法施工工艺 (赵轲,刘喜梅,史国兴,黄海,张震)
- 165 乳化沥青对机制砂混凝土力学性能及耐久性的影响研究(宋敬亮)
- 169 房屋建筑装配式混凝土结构施工关键技术研究(钱冬富)
- **171** 温塘特大桥主桥承台大体积混凝土水化热全过程仿真分析 (张晓林,王德明)
- **174** 长线型空间扭曲赛道结构喷射混凝土施工特点研究 (陈世林,彭辉)
- 176 高压喷射囊式扩体锚杆验收试验及施工工艺(张其宣)
- 178 全封闭挂篮在铁路跨越高速公路施工中的应用(鲁龙学)
- 180 建筑机电安装工程防渗漏控制(温绍金)
- 182 某深基坑近邻钢连廊基础施工安全性影响分析(曹茜,杨佳璇)
- 185 混凝土抗开裂施工技术研究(朱廷珂)
- 187 论无碱速凝剂喷射混凝土施工(陈黎立,李明建,张德方)
- 190 无损检测技术在混凝土建筑工程交工验收中的应用(于跃,浦垚)
- 192 市政沥青路面道路施工技术探讨(王立勇)
- 194 外加剂对水泥混凝土性能的影响剖析(杨鸿骏,陈健,姜志刚)
- 196 建筑机械设备安装工程的施工要点分析(宋方方)
- 198 机制砂在高性能混凝土轨枕中的应用研究(任陟成)
- 202 盾构隧道下穿铁路施工技术研究(陈理)
- 204 小半径梁板架设技术研究(汤建华)
- 206 探析建筑装饰施工及新技术新工艺的应用(付静)
- 208 浅埋暗挖法施工技术与质量控制措施(倪守睿)
- 211 建筑物沉降变形观测监测数据处理与预测方法探讨(周志宇)

## 工程项目管理

- 213 大型机电设备安装工程项目管理分析(吴豪)
- 215 高层建筑施工的特点与混凝土质量控制研究(孙养梅,张瑞全)
- 217 工程建设管理中如何提高管理效益(孙宜建)
- 219 建筑工程质量安全监督中的问题和对策(李明涛)
- 221 油气田地面建设工程质量监督管理方法研究(李德坛)
- 223 核电厂运行防人因失误管理探究(朱勇, 閤锋)
- 225 港口码头工程钻孔灌注桩施工技术及其质量控制(刘建东)
- 227 道路桥梁工程存在的质量问题与维护措施(杨立学)
- 229 港口与航道工程的全过程造价管理研究(何鹏飞)
- 231 道路桥梁工程造价的现状及管控(李芳芳)
- 233 PPP项目建设管理问题及改进研究(舒冰)
- 235 装配式建筑施工质量问题与改进研究(李建双)
- 237 基于关键路径法的公路工程施工项目管理分析(何奕超)
- **239** 宁德市在城市基础设施建设项目管理中的"总指挥部模式"研究 (陈志伟)
- 241 精细化管理在公路工程管理中的应用(王奕)
- 243 公路工程中监理对工程质量的监督管理分析(程仕坤)
- 245 国际工程项目汇率风险与规避研究(吕凯)
- 247 道路桥梁设计中的隐患及解决措施研究(朱星光)
- 249 新时期海外工程项目管理面临的挑战与对策(钱勇强)
- 251 铁路工程设计变更管理与施工索赔的经济分析(赵淼)
- 253 基于鱼骨图和PDCA的建筑施工安全管理研究(巫明蓉)
- 255 高生水电站导流洞工程项目管理分析(刘宏波)
- 257 电力工程造价的管理和控制(李政)
- 259 公路工程计量支付中的业主控制策略(梅赟超)
- 261 建设项目工程造价管理信息系统构建及运用(赵锦政)
- 263 高速铁路建设全过程投资控制的分析研究(张铭)
- 265 现代项目管理在地铁合同管理中的应用研究(梁丽琴)
- 267 关于石油化工设备安装过程中的现场管理(滕海超)

# 智能与信息化

- 269 无宗地代码的旧宗地图整理建库的设计与实现(杨同岭)
- **271** 基于倾斜摄影技术的土方算量在公路工程塌方路段的应用研究 (秦超红)
- 273 BIM技术在装配式建筑中的运用意义分析(汤辉)
- 277 智能化技术在电气工程自动化控制中的应用(刘飞,郭建强)
- 279 大地测量中不适定问题的正则化解法研究(杨庆振)

## 2020 / 05 / CONTENTS

## Architectural and Structural Design

- 1 Canopy Structure Design of a Toll Station with Large Span, Long Cantilevered Steel Tube Truss(ZHOU Xian-xiang)
- 4 Research on the Application of Friction Pendulum Support in High-Rise Conjoined Roof(LI Xin-fang, ZHANG Zhi-qiang, MIAO Zhi-wei, ZHANG Qi, LAI Meng)
- 8 Consideration and Exploration on the Construction of Livable Environment in Small and Medium-Sized Cities(GUO Ying-ying)
- 10 Manufacturing Technology of Composite Shear Wall(LI Jian-hang)
- 12 Optimization of Structural Design of Civil High–Rise Reinforced Concrete Buildings(WANG Lei)
- 14 Some Thoughts on the Fire Protection Design of Underground Commercial Buildings(ZHAO Li)
- 16 Discussion on the Integrated Design of Kindergarten Architecture and Landscape(LI Cui-cui)
- 18 Study on the Practical Dilemma and Implementation Strategies for Upgrading the Planning of Industrial Park(LIU Yuan)
- 20 Discussion on the Application of Tilt Photogrammetry in Rural Premises Integrated Cadastral Survey(CHU Zhi)

## **Engineering Design of the Ground**

- 22 Stability Analysis of the Slope with Inherent Weak Zones Based on Limit Equilibrium and Strength Reduction Methods(ZHAO Hu, ZHANG Jin)
- 25 Innovative Analysis of Technical Principles and Methods of Geological Prospecting and Exploration(NIAN Hong)
- 27 The Application of Vibrating Sinking Pipe Gravel Pile in Composite Foundation Treatment(YI Jian-hui, GUO Zhi-hui, YU Wen-long)
- 29 Construction Technology and Management of Deep Foundation Pit Support in Building Construction(YANG Yan-sheng)

#### **Public Utilities Design**

- 31 Development Trend Analysis of Power Distribution System in Data Center(LI Yan)
- 33 Lightning Protection Technology in Operation of 500kV Transmission Line(ZHOU Peng-cheng)
- 35 Research on the Application of Power Planning and Design in Power Engineering Design(LIU De-tao)
- 37 Discussion on the Grounding Technology and Method of Airport Communication and Navigation Station(GUO Yan-tao)
- 39 The Application of Free Cooling in Cold Area in Winter in Low Temperature Process Cooling Water(WANG Xiao-wei)
- **41** The Application of Prefabricated Branch Power Cable in Complex Building(WANG Zhi–hu, MENG Fan–chang)

#### Municipal · Traffic · Water Resources Engineering Design

- 43 Prediction and Analysis of Water Inflow in Deep Foundation Pit of Subway Station(WANG Jian-jun)
- 46 Analysis on the Congestion Situation of Guangzhou Metro Jiahe Wanggang Station Line 14 at the Initial Opening and the Solutions(HUANG Jia)
- 49 The Design of Waterlogging Control Project of Xinkai River System in Dongguan City Based on the Concept of Diversion(ZHANG Xiao-wei, HU Liang)
- 51 Main Engineering Geological Problems and Characteristics of Tunnel Surrounding Rock with T<sub>2</sub>b<sup>2</sup> Formation(ZHANG Yi, DU Yu-ben, XIANG Dao-yin)
- 54 Key Technical Measures for Earth Pressure Shield Tunneling Through Building Structures Under Weak Geological Conditions(PAN Lu)
- 56 The Excavation of Foundation Pit Above Shield Section in Silty Clay Layer (YANG Ze-min)
- 59 Study on the Construction Technology and Calculation of FB Auxiliary Bridge Top Pushing for the New Phase II Project of North Cross Passage(XU Hui-wen)
- 62 Application of GPS-RTK Technology in Road Restoration and Upgrading Project(YU Zhuo-liang, WANG Zheng-yan)
- 64 The Exploration in Municipal Pipelines Design Based on the "Dense Road Network" System(LIU Jian–ke)
- 67 Research and Practice of Sponge City Design Concept in Urban Construction (ZHANG Wei–yan, LI Lei)
- 69 Analysis of the Design of Urban Underpass Drainage System(ZHANG Yuan)
- 71 Analysis of Construction of Vegetation Landscape in Residential Area of Sponge City(JIAN Ling-de, YANG Xi-wen)
- 73 The Overall Design of the Road Route of Moving Towns on Mountain in

- Yunnan(CHEN Xu-fei)
- 75 Discussion on Construction Technology and Quality Control Measures of Road and Bridge Engineering(LIU Fu)
- 77 Treatment of Inverted Arch Upheaval in Tunnel(LUO Xue-song)
- 79 Discussion on the Control Points of Construction Technology of Small Space Bias Pressure Tunnel in Soft Surrounding Rock Section(CHEN Xiang-lin)
- 81 The Application of Rim Lubrication Device in Urban Rail Vehicles(ZHANG Zhao)
- 83 Research on Construction Technology of Ballastless Track in Special Season (ZHU Yun)
- 85 Influence and Disposal of Diseases of Tunnel Auxiliary Facilities(MI Qiao-ning)
- 87 Analysis on the Application of Humanized Design Concept in Urban Road Design(LI Yuan)
- 89 Thoughts on the Effect of Ecological Water Transport in Key Populus Euphratica Forest Areas in Yarkand River Basin(Munire Yasen)
- 91 Research on the Foundation Treatment Method of Channel Dredged Silt Fill Area (ZHAO Le)

## Industrial Engineering Design

- 93 Discussion on Strategy Optimization of Energy-Saving Control for Cooling Tower in Refrigeration Station(CHEN Jie)
- 95 Reinforcement Scheme of Coal Bunker(LI Qiang)
- 97 Research on the Technology of Field Overhaul of 500kV Transformer (LIU Yan-kun)
- 99 Progress of Processing Technic of Radioactive Cesium-Containing Liquid Waste(ZHENG Wen-jun, LI Teng, YOU Xin-feng, ZHANG Zhen-tao)
- 102 Comparative Analysis of Live Detection and Power Failure Test of GIS and Capacitive Equipment(LIU Xiao)
- 104 Improvement of Service Life of High-Pressure Washing Plunger Pump (YU Qiang-wen, LIU Zhi-qiang)
- 106 Research on the Technology of Increasing the Output of Heat Source in the Process of Peak Load Regulation of Turbine Bypass System(WU Xiao-jie)
- 108 Discussion on Debugging of Radiation Monitoring System in Nuclear Power Plant(YANG Kang, QI Yu-hong, WANG Xin)
- 110 The Development of Bag Filter and Its Application in High Temperature (NAN Jing)
- 112 The Application of Electrical Automation in Electric Power Engineering (LV Zhe-ying)
- 114 Research on the Application and Development of Mechatronics in Mechanical Engineering(WANG Ting-lin, LIU Tai-gui)
- 116 Research on the Application of Photoelectric Sensor in Automatic Production Line(LEI Yi-cong)

### **Environment Engineering Design**

- 118 Discussion on Traffic Noise Control Principle of New Rail Project in Exceed–Standard Area of Sound Environment(WANG Fei–xiang)
- 120 The Application of Ultrafiltration Membrane Technology in Environmental Engineering Water Treatment(GUO Ying)
- 122 Research on Geological Disaster Investigation and Environmental Management(LIU Yun, WU Xiang-ju, YANG Cheng-zhuo, WANG Zi-long)
- 124 Emergency Works on Water Quality and Quantity During the Upgrade and Extension Period of Sewage Treatment Plant(WU Feng-yuan, YU Xiang-jing, LUO Xin-yang)
- 126 Influence of Mine Development of Nonferrous Metal to Groundwater Environment and Its Prevention and Control Measures(FAN Shu-kai)
- 128 Oily Sewage Treatment and Reuse Water Process Design(CHEN Xi)
- 130 Analysis of Urban Black Odor Water Treatment and Long-Term Improvement and Maintenance of Water Quality(YANG Da-wei)
- 132 Analysis of Contaminated Soil and Groundwater Remediation Project in a Chemical Plant Abandoned Site(ZHANG Ya-jiao)

## Construction Technology

- 134 Treatment Technology of Hanging Road Outside the Basement of 400t Crawler Crane(SHE Yuan-jian)
- 137 Construction Technology of Translation and Empty Tunneling of Shield Machine in Restricted Space(JU Chao)
- 139 A Rapid Arrangement Method for Circulating Cooling Water Pipes for Mass Concrete Based on BIM Technology(LONG Gui-yuan, HAN Chun-long, LI Da-wei)

S

- 141 Installation Technology of Prefabricated Column in New Construction Project of Urban Expressway(YUAN Wen-jing)
- 143 Research on the Application and Implementation of Grouting Technology in Civil Engineering(XU Wen-dong)
- 145 Waterproof Analysis of Assembled Temporary Pavement at Construction Site(WU Jia-xiong, LI Zhong-ding, SONG Xiao, SUN Han, ZHEN Zhen)
- 148 The Development and Application of Surveying Technology in Surveying and Mapping Engineering Under the New Situation(ZOU Lie-guo)
- 150 Problems and Countermeasures of Subgrade and Pavement Construction (JIA Yan-jie)
- 153 The Application of GPS in the Construction Control Survey of Highway Bridge Construction(REN Hong-jun)
- 155 Construction Technology of Concrete Jacking for Bottom–Bearing Steel Tube Arch Bridge(DENG Zhi–cheng)
- 157 Pavement Damage Analysis and Maintenance Technique in Road and Bridge Construction(ZHENG Jun-feng)
- 159 Construction Management and Construction Technology of Traffic Safety Facilities(LIU Xiang-yu)
- 161 Analysis of Construction Points About Formwork Support System of Overweight Beam at Post–Pouring Belt(LV Hong–wei)
- 163 Construction Process of Wet Joint Sand Box Method for the Bridge with First Simply Supported then Continuous Hollow Plate Beam(ZHAO Ke, LIU Xi-mei, SHI Guo-xing, HUANG Hai, ZHANG Zhen)
- 165 Study on the Effect of Emulsified Asphalt on the Mechanical Properties and Durability of Machined Sand Concrete(SONG Jing-liang)
- 169 Research on Key Construction Technologies of Precast Concrete Structure of Housing Construction(QIAN Dong-fu)
- 171 The Whole Process Simulation Analysis of Hydration Heat of Massive Concrete for the Cushion Cap of the Main Bridge of Wentang Bridge(ZHANG Xiao-lin, WANG De-ming)
- 174 Research on the Shotcrete Construction Characteristics of Long Line Space Twisted Track Structure(CHEN Shi-lin, PENG Hui)
- 176 Acceptance Test and Construction Technology of High-Pressure Jet-Bag Bolt(ZHANG Qi-xuan)
- 178 The Application of Full-Closed Hanging Basket in Railway Construction Crossing Expressway(LU Long-xue)
- 180 The Anti-Leakage Control of the Mechanical and Electrical Installation Engineering(WEN Shao-jin)
- 182 Analysis of Safety Impact on Excavation of Deep Foundation Pit Adjacent to Steel Structure Corridor(CAO Xi, YANG Jia-xuan)
- 185 Research on the Construction Technology of Concrete Cracking Resistance (ZHU Ting-ke)
- 187 Discussion on the Construction of Alkali-Free Quick Setting Agent Sprayed Concrete(CHEN Li-li, Ll Ming-jian, ZHANG De-fang)
- 190 The Application of Nondestructive Testing Technology in the Acceptance of Construction Project(YU Yue, PU Yao)
- 192 Discussion on the Construction Technology of Municipal Asphalt Pavement (WANG Li-yong)
- 194 Analysis of the Effect of Admixture on Properties of Cement Concrete (YANG Hong-jun, CHEN Jian, JIANG Zhi-gang)
- 196 Construction Points Analysis of Construction Machinery and Equipment Installation Works(SONG Fang-fang)
- 198 Application Research of Machine–Made Sand in High–Performance Concrete Sleeper(REN Zhi–cheng)
- 202 Research on the Construction Technology of Shield Tunnel Underpass Railway(CHEN Li)
- 204 Research on Erection Technology of Small Radius Beam and Slab(TANG Jian-hua)
- 206 Analysis of Decoration Construction and the Application of New Technologies and Processes(FU Jing)
- 208 Construction Technology and Quality Control of Shallow Tunneling Method (NI Shou-rui)
- 211 Discussion on the Data Processing and Prediction Method of Building Settlement and Deformation Observation(ZHOU Zhi-yu)

#### Project Management

213 Management Analysis of Large Mechanical and Electrical Equipment Installation Project(WU Hao)

- 215 Research on the Characteristics of High-Rise Building Construction and Concrete Quality Control(SUN Yang-mei, ZHANG Rui-quan)
- 217 How to Improve Management Efficiency in Project Construction Management(SUN Yi-jian)

Ε

- 219 Problems and Countermeasures of Quality and Safety Supervision of Construction Engineering(LI Ming-tao)
- 221 Research on Quality Supervision and Management Method of Oil and Gas Field Surface Construction Project(LI De-tan)
- 223 Study on the Management of Preventing Human Error in Nuclear Power Plant Operation(ZHU Yong, XIA Feng)
- 225 Construction Technology and Quality Control of Bored Cast-in-Place Piles in Port and Wharf Engineering(LIU Jian-dong)
- 227 Quality Problems and the Maintenance Measures of Road and Bridge Engineering(YANG Li-xue)
- 229 Research on the Whole Process Cost Management of Port and Waterway Engineering(HE Peng-fei)
- 231 Current Situation and Control of the Cost of Road and Bridge Construction
  (LI Fang-fang)
- 233 Study on the Problems of PPP Project Construction Management and the Improvement(SHU Bing)
- 235 Research on the Construction Quality Problems and Improvement of Prefabricated Building(LI Jian-shuang)
- 237 Management Analysis of Highway Construction Project Based on Critical Path Method(HE Yi-chao)
- 239 Study on the "General Headquarters Mode" in the Management of Urban Infrastructure Construction Projects in Ningde City(CHEN Zhi-wei)
- 241 The Application of Fine Management in Highway Engineering Management (WANG Yi)
- 243 Supervision and Management Analysis of the Quality of Highway Engineering by Engineering Supervision(CHENG Shi-kun)
- 245 Study on the Exchange Rate Risk and Avoidance Measures of International Engineering Projects(LV Kai)
- 247 Research on Hidden Dangers and Solutions in Road and Bridge Design (ZHU Xing-guang)
- 249 Challenges and Countermeasures for Overseas Project Management in the New Period(QIAN Yong—qiang)
- 251 Economic Analysis of Railway Engineering Design Change Management and Construction Claim(ZHAO Miao)
- 253 Research on the Construction Safety Management Based on Fishbone Diagram and PDCA(WU Ming-rong)
- 255 Brief Analysis on Project Management of Diversion Tunnel of Gaosheng Hydropower Station(LIU Hong-bo)
- 257 Management and Control of Electric Engineering Cost(LI Zheng)
- 259 Owner Control Strategy in Highway Engineering Measurement and Payment(MEI Yun-chao)
- 261 Construction and Application of Construction Project Cost Management Information System(ZHAO Jin-zheng)
- 263 Analysis and Research on the Investment Control in the Whole Process of High-Speed Railway Construction(ZHANG Ming)
- 265 Application Research of Modern Project Management in Metro Contract Management(LIANG Li-qin)
- 267 Site Management During Petrochemical Equipment Installation(TENG Hai-chao)

#### intelligentialize and informatization

- 269 Design and Implementation of Database Construction of Old Parcel Map Without Parcel Code(YANG Tong-ling)
- 271 Research on the Application of Earth Quantity Calculation Based on Tilt Photography Technique in Highway Engineering Section of Collapse (QIN Chao-hong)
- 273 Analysis on the Application Significance of BIM Technology in Prefabricated Buildings(TANG Hui)
- 275 Application Analysis of UAV Photogrammetry Technology in Surveying and Mapping Engineering(YU Li, QI Ya-ke, ZHANG Bo-lin, ZHANG Ya-jie)
- 277 The Application of Intelligent Technology in the Automatic Control of Electrical Engineering(LIU Fei, GUO Jian-qiang)
- 279 Study on the Regularization Procedure of III Posed Problem in Geodetic Surveying(YANG Qing-zhen)

