

# 工程建设与设计



# 2019 / 12 / 目次

# 建筑与结构设计

- **1** 基于社会网络分析的不锈钢钢筋研究核心与要点的识别 (付瑞佳,周硕文)
- 4 北京市怀柔区中医院病房建筑室内环境性能改造提升 (顾中煊, 王江华, 陈晋, 陈强)
- 6 南宁·中关村科技园地震动参数的确定方法 (赵修敏,张忠利,李冰溯)
- 8 房屋建筑结构优化设计探讨(汪士梁)
- 10 结构加固技术在房屋建筑施工中的运用分析(张东明)
- 12 现代建筑中的折叠结构(肖平展)
- **14** 基于瞬时结构动力作用下的火工试验塔结构防护设计 (彭检波, 杜忠)
- 16 对建筑防水设计的分析探讨(刘相林)
- 18 城市规划测量技术要点与质量控制分析(陈国斌)
- 20 快速老龄化背景下城市社区居家养老设施规划策略探析(朱晓芳)

# 基础工程设计

- 23 宝山区顾村垃圾堆场地基破坏原因分析及整治对策(王德刚)
- 25 管井降水技术在富水性砂卵石地层深基坑中的应用(焦瑞锋, 皇兴)
- **28** 振动沉管砾石桩法在某软弱粉砂土地基处理中的应用研究 (田伟,李旭)
- 30 中国地质灾害的发育分布规律研究(李臣正)
- 32 按m法计算弹性桩水平位移及作用效应(雷建伟,王盛)

## 公用工程设计

- 34 中小学装配式建筑暖通设计分析(刘春燕)
- 36 刍议110kV变电站中电气工程安装管理(傅琦)
- 38 绿色发展理念指导下的照明节能技术应用及发展分析(于珊)
- 40 智能变电站的线路保护测控装置的应用设计(吴旭东)
- 42 电气二次设备状态检修策略探讨(徐辉)
- 44 煤矿井下防灭火措施研究(程良)
- 46 重大活动保供电应急电源选择与配置(莫宝律,李兵,邢智)

# 市政·交通·水利工程设计

- 49 海绵城市施工图设计常见问题思考与建议(谭晓莲)
- 51 探析城市规划管理对城市规划设计的影响(魏峰)
- 53 交联聚乙烯电缆故障的原因分析及预防措施(董雪峰,郭雷刚)
- 55 高速铁路路基工程沉降变形控制研究(周生年)
- 59 农村公路砌体防护工程施工要点探析(沈永红)
- 61 地铁车站采用减振孔降低爆破振动速度的应用与研究(丁恒军)

- 67 试析环城高速公路工程规划中应注意的问题(刘全红)
- 69 铁路工程预防桥梁桩基钢筋笼偏斜技术探讨(韩卫东)
- 71 桥梁健康检测及养护平台设计与实现(韩基刚)
- 73 黄石新港货运支线延伸工程线路方案研究(欧阳展)
- 75 山区高速公路路基差异沉降分析及其控制措施(赵帅磊,李鸿哲)
- 77 山岭重丘区高速公路桥梁桥台形式的设计分析(徐福杰)
- 79 盾构复合地层掘进刀具的保护技术研究(廖云洋)
- 83 铁路室外信号试验模拟盘的设计与实现(陈大千)
- 85 神朔电气化重载铁路长供电臂末端网压提升技术研究(范旋)
- **87** 蒙华铁路公安长江公铁两用特大桥正交异性钢桥面拼装工艺优化 (王楠)
- 89 既有铁路桥梁改建顶进施工道岔加固技术(徐艳华)
- 91 分形几何理论在水泥稳定级配碎石中的应用(彭文逵)
- 93 探讨高速公路路面养护管理(喻诗恒)
- 95 BIM技术在地铁机电安装施工中的运用探究(周斌)
- 97 马圈沟水库潜在不稳定体的稳定计算及处理措施(佟名)
- 99 水利水电工程地质勘察问题的相关分析(叶洋,张伟)
- 101 小型水库土坝除险加固施工分析(李璐璐)
- 103 水利灌溉工程施工要点与质量控制工作研究(夏侯娟)
- 105 水利水电施工导流及围堰技术分析(闫彪)
- 107 颂东水电站泄水闸泄洪消能研究设计(陈平川,苗宝广)
- 109 水文地质条件分析及地下水源保护(高彦,曹光奇,周彦勇)
- 111 某抽水蓄能电站均质土坝内边坡修复处理探讨(李振,石先红)
- 113 水利工程勘察中的水文地质问题分析(张伟,叶洋)

## 工业工程设计

- 115 泵与风机调速方式节能分析与经济性比较(李涛,邹军华,赵凯)
- 119 水泵测试系统技术条件及检验方法策略探讨(田延凯)
- 121 机械设备的节能改造技术应用分析(张小刚)
- 123 环形ENAW-6082铝合金锻件的热处理研究(蒋建州)
- 125 永磁电机在风力发电系统中的应用及其发展趋向(刘登峰)
- 127 关于机压耐火砖模具设计的探讨(钱玉林)
- 129 环保型钻井液研究现状及发展探讨(马岩,罗均龙)
- 131 锅炉安装常见问题及其质量控制要点(刘宾)
- **133** 煤矿安全生产设备安全性能检测检验存在的问题及对策 (汪学忠)
- 135 汽车零部件模具的制造与设计探析(刘梦尧)
- 137 同步发电机参数辨识新方法(陈玉树,张伟骏)
- 140 Civil 3D在总图设计中的应用研究(王浩)
- 142 疏浚与吹填工程施工硫化氢安全防护分析(谭明文)

O N T E N T S

#### 2019 / 12 / 目次

# 环境工程设计

C

- **144** 虹口区土壤污染现状分析及防治措施研究 (王唯实,王晨君,龚玥,周力)
- 146 农村污水处理难点及建议(潘江浚)
- 148 电网规划在环境影响评价中存在的问题与对策(张振夫)
- 150 青岛市某污水处理站设计运行及合理化建议(赵昕,栾成梅)
- 152 银川市集中式饮用水水源地水质健康风险评价(彭晓云)

# 工程施工技术

- 154 索塔施工关键技术研究(王敬宇)
- 156 市政排水工程施工控制要点探析(冯甲林)
- 158 连续梁挂篮悬臂施工的线形控制研究(杨建明)
- 160 铁路路基与桥梁过渡段施工技术探讨(魏晓亚)
- 162 土木工程施工技术的创新及发展分析(孙大庆)
- 164 高速公路施工技术精细化管理研究(董浥尘)
- 166 道路路基施工技术研究(黄华山)
- **168** 沪通长江大桥三跨连续钢桁梁拱桥主桁梁合龙施工技术研究 (苏里,李坚)
- 170 大跨度连续梁转体施工的关键技术问题(孙桂森)
- 172 高性能混凝土在道路桥梁工程施工中的应用策略(张平良)
- 174 大型钢箱梁焊接工艺及变形(吴文斌)
- 176 房屋建筑结构的加固设计及施工技术分析(易靖)
- 178 建筑工程大体积混凝土施工技术要点分析(付鸿杰)
- 180 铁路信号工程技术施工管理分析(岳彩文)
- 182 港口码头工程的施工技术研究(刘建东)
- 184 复杂地质条件下巷道顶板淋水综合治理技术(赵世忠,任世虎)
- 186 房屋建筑基坑支护工程施工管理方法探讨(毕长武)
- 188 等差传感逐束张拉法在斜拉索张拉施工中的应用(陈论理)
- 190 雅砻江桐子林水电站二期围堰防渗墙施工技术(刘强)
- 193 建筑电气供配电安装施工技术与管理研究(张策)
- 195 建筑工程测量精确度中测量模式的影响和作用(宋致远)
- 197 厂拌乳化沥青冷再生面层施工监理的质量控制要点(梁雪)
- 199 探讨桥梁连续梁挂篮施工技术难点(孙川宇)

# 工程项目管理

- **201** 基于新一轮预算编制办法和定额的铁路与公路隧道工程造价水平对比分析(杜海蓉)
- 205 关于水电工程管路布置图出图模式的探讨(周淼汛,和扁)
- 207 信息化技术在农村水利现代化建设中的应用(温鸿浦)

- 209 基于建筑企业市场营销战略的建筑市场分析(严伟)
- 211 多方协作特大工程设计与咨询管理(王浩,黄珺,王路达)
- 213 水利建设工程的质量检测管理研究(余恒辉)
- 215 油气田地面建设工程施工现场的规范化管理研究(尹小斌)
- 217 项目管理信息系统在大型化工项目建设中的运用探究(刘前辉)
- 219 建筑工程造价的动态管理与控制探讨(卢璐)
- 221 海外项目管理中的 "BOT+EPC"模式探讨(张建辉)
- 223 水利水电工程施工质量全过程控制分析(罗江波)
- 227 火力发电厂绿色经济运营管理研究(刘娜)
- 229 市政道路桥梁施工的质量控制及管理策略(杨瑞祺)
- 231 小型水利工程的项目管理与工程造价控制研究(王美英)
- **233** 核电厂在役检查规范外核级管道支吊架管理方法探讨 (曹先萌,徐立华,俞燕锋)
- 236 地铁盾构掘进施工工效对工程成本影响幅度的研究(蔡巨伟)
- 239 水电工程施工安全管理与安全控制分析(宫晓辉)
- 241 建筑企业工程施工过程中的变更索赔管理(谢保兵)
- 243 解析全过程工程造价在现代建筑经济管理中的重要性(张丙丽)
- 245 水利工程运行管理工作现状探讨(肖海红,张鑫宇)
- **247** EPC总承包模式下的石油化工项目管理及优化探讨 (孟令燕,梁承勇)
- 249 建筑施工进度管理的重要性及管理措施分析(苏志龙)
- 251 精细化管理在建筑工程管理中的应用(刘春丽)
- 253 谈化工设备安装施工技术管理(孟汉现)

## 智能与信息化

- 255 探讨商业综合体高密度人流前馈预判模型(应寅)
- **258** 基于机载激光雷达航测技术的地形图矢量化方法研究 (夏波,雷刚,冯玉全)
- 260 智能变电站电气二次系统优化设计探析(李小芳,王华)
- 262 智慧工地管理中智慧门禁以及劳务实名制应用实践 (王金锋, 苏慧杰)
- 264 铁路物流基地智能化运营管理平台设计研究(石兴)
- 266 第三次全国国土调查质量控制技术初探(廖廷宇)
- **268** 利用智能温控系统降低医院空调能耗的实践与思考 (谢开玉,朱炳强)
- 272 无人机倾斜摄影技术在测绘工程中的应用(曹明)
- 274 微电网基本控制策略分析与选择(詹蓓蓓)
- 277 施工图设计文件审查数字化的研究和探讨(邰立民)
- **279** 基于FME的土地确权数据自动化批处理(李计英)

# Architectural and Structural Design

- 1 Identification of the Research Core and Key Points of Stainless Steel Reinforcement Based on Social Network Analysis(FU Rui-jia, ZHOU Shuo-wen)
- 4 The Indoor Environment Improvement of Huairou District of Beijing City Chinese Medicine Hospital Inpatient Building Reconstruction Project (GU Zhong-xuan, WANG Jiang-hua, CHEN Jin, CHEN Qiang)
- 6 Determination of Ground Motion Parameters for Nanning Zhongguancun Science Park(ZHAO Xiu-min, ZHANG Zhong-li, LI Bing-su)
- 8 Discussion on Optimal Design of Building Structure(WANG Shi-liang)
- 10 Analysis of the Application of Structural Reinforcement Technology in Building Construction(ZHANG Dong-ming)
- 12 The Folded Structure in Modern Architecture(XIAO Ping-zhan)
- 14 The Structure Protection Design of the Fire Test Tower Based on the Instantaneous Structural Dynamic Effect(PENG Jian-bo, DU Zhong)
- 16 Analysis and Discussion on Waterproofing Design of Building(LIU Xiang-lin)
- 18 Analysis on the Key Points and Quality Control of Urban Planning and Measurement(CHEN Guo-bin)
- 20 Research on Planning Strategy of Home-Based Old-Age Facilities in Urban Community Under Rapid Aging Background(ZHU Xiao-fang)

## **Engineering Design of the Ground**

- 23 Cause Analysis and Treatment Countermeasures of Foundation Failure of Landfill in Gu Village, Baoshan District(WANG De-gang)
- 25 The Application of Pipe Well Dewatering Technology in Deep Foundation Pit with Water-Rich Sand and Pebble Formation(JIAO Rui-feng, HUANG Xing)
- 28 Study on the Application of Vibrating Pipe Sinking Gravel Pile Method in the Treatment of a Soft Silt Foundation(TIAN Wei, LI Xu)
- 30 Study on the Development and Distribution of Geological Disasters in China (LI Chen-zheng)
- 32 The Horizontal Displacement and Effect of Elastic Pile Calculated by m Method(LEI Jian-wei, WANG Sheng)

# **Public Utilities Design**

- 34 HVAC Design Analysis of Prefabricated Buildings in Primary and Secondary Schools(LIU Chun-yan)
- 36 Discussion on Installation Management of Electrical Engineering in 110kV Substation(FU Qi)
- 38 Analysis and Application of Lighting Energy-Saving Technology Under the Guidance of Green Development Concept(YU Shan)
- 40 Application Design of Line Protection Measurement and Control Device in Intelligent Substation(WU Xu-dong)
- 42 Discussion on the State Maintenance Strategy of Electrical Secondary Equipment(XU Hui)
- 44 Study on the Fire Prevention and Extinguishing Measures in Coal Mine (CHENG Liang)
- 46 The Selection and Configuration of Major Activities Emergency Power for Power Ensuring and Supply(MO Bao-lv, LI Bing, XING Zhi)

# Municipal · Traffic · Water Resources Engineering Design

- 49 Thoughts and Suggestions on Common Problems in Construction Drawing Design of Sponge City(TAN Xiao-lian)
- 51 Analysis of the Influence of Urban Planning Management on Urban Planning and Design(WEI Feng)
- 53 Cause Analysis and Precaution of XLPE Cable Failure (DONG Xue-feng, GUO Lei-gang)
- 55 Research on Settlement Deformation Control of High-Speed Railway Subgrade Engineering(ZHOU Sheng-nian)
- 59 Analysis of the Key Construction Points of Masonry Protection Project of Rural Highway(SHEN Yong-hong)
- 61 The Application and Research of Reducing Blasting Vibration Velocity by Using Damping Hole in Subway Station(DING Heng-jun)
- 67 Analysis of the Problems Needing Attention in the Planning of Ring Expressway Project(LIU Quan-hong)
- 69 Technical Discussion on Preventing Steel Cage Deflection of Railway Bridge Pile Foundation(HAN Wei-dong)
- 71 Design and Implementation of Bridge Health Detection and Maintenance

#### Platform(HAN Ji-gang)

73 Study on the Route Scheme of the Extension Project of Huangshi New Harbor Freight Feeder Line(OUYANG Zhan)

2019 / 12 / CONTENTS

- 75 Differential Settlement Analysis of Highway Subgrade in Mountainous Area and Its Control Measures(ZHAO Shuai-lei, LI Hong-zhe,)
- 77 Design and Analysis of Abutment Type of Expressway Bridge in Mountain and Hilly Area(XU Fu-jie)
- 79 Research on the Protection Technology of Tunneling Cutter in Shield Compound Stratum(LIAO Yun-yang)
- 83 Design and Implementation of Railway Outdoor Signal Test Simulator (CHEN Da-qian)
- 85 Research on the Network Pressure Lifting Technology of the End of Long Power Supply Arm of Shenshuo Electrified Heavy Haul Railway(FAN Xuan)
- 87 Optimization of Assembling Technology of Orthotropic Steel Bridge Deck of Large Bridge for Both Railway and Highway on Yangtze River Gong'an Section of Menghua Railway(WANG Nan)
- 89 Reinforcement Technology for the Jacking Construction Switch of Existing Railway Bridges Reconstruction(XU Yan-hua)
- 91 The Application of Fractal Geometry Theory in Cement Stabilized Graded Macadam(PENG Wen-kui)
- 93 Discussion on the Management of Highway Pavement Maintenance
  (YU Shi-heng)
- 95 Research on the Application of BIM Technology in the Construction of Subway Mechanical and Electrical Installation(ZHOU Bin)
- 97 Stability Calculation and Treatment Measures for Potential Unstable Bodies in Majuangou Reservoir(TONG Ming)
- 99 Relevant Analysis of Geological Survey Problems in Water Conservancy and Hydropower Projects(YE Yang, ZHANG Wei)
- 101 Analysis of the Reinforcement Construction of Earth Dam in Small Reservoir(LI Lu-lu)
- 103 Study on Key Points of Construction and Quality Control of Water Conservancy and Irrigation Project(XIAHOU Juan)
- 105 Technical Analysis of Diversion and Cofferdam in Water Conservancy and Hydropower Construction(YAN Biao)
- 107 The Flood Discharge and Energy Dissipation Research and Design of Songdong Hydropower Station Spillgate(CHEN Ping-chuan, MIAO Bao-guang)
- 109 Analysis of Hydrogeological Conditions and Groundwater Source Protection(GAO Yan, CAO Guang-qi, ZHOU Yan-yong)
- 111 Discussion on Repair Treatment of Internal Slope of Homogeneous Earth Dam in a Pumped Storage Power Station(LI Zhen, SHI Xian-hong)
- 113 Analysis of Hydrogeological Problems in Water Conservancy Engineering Investigation(ZHANG Wei, YE Yang)

#### Industrial Engineering Design

- 115 Energy Saving Analysis and Economic Comparison of Speed Regulation of Pump and Fan(LI Tao, ZOU Jun-hua, ZHAO Kai)
- 119 Discussion on Technical Conditions and Inspection Method Strategy of Pump Testing System(TIAN Yan-kai)
- 121 The Application Analysis of Energy-Saving Transformation Technology for Mechanical Equipment(ZHANG Xiao-gang)
- 123 Study on Heat Treatment of Annular ENAW-6082 Aluminum Alloy Forgings (JIANG Jian-zhou)
- 125 The Application of Permanent Magnet Motor in Wind Power Generation System and Its Development Trend(LIU Deng-feng)
- 127 Discussion on Die Design of Machine Pressed Refractory Brick(QIAN Yu-lin)
- 129 Research Status and Development of Environmental Protection Drilling Fluid(MA Yan, LUO Jun-long)
- 131 Common Problems in Boiler Installation and the Quality Control Points(LIU Bin)
- 133 Problems and Countermeasures in Safety Performance Detection and Inspection of Coal Mine Safety Production Equipment(WANG Xue-zhong)
- 135 Research on Manufacture and Design of Auto Parts Mould(LIU Meng-yao)
- 137 Parameter Identification New Method of Synchronous Generator (CHEN Yu-shu, ZHANG Wei-jun)
- 140 Application Research of Civil 3D in General Layout Design(WANG Hao)
- 142 Analysis of Safety Protection in Hydrogen Sulfide of Dredging and Reclamation Project Construction(TAN Ming-wen)

C O N T E N T S

# **Environment Engineering Design**

- 144 Analysis of Soil Pollution Status and Prevention Measures of Hongkou District (WANG Wei-shi, WANG Chen-jun, GONG Yue, ZHOU Li)
- 146 Difficulties and Suggestions of Rural Sewage Treatment(PAN Jiang-jun)
- 148 Problems and Countermeasures of Power Grid Planning in Environmental Impact Assessment(ZHANG Zhen-fu)
- 150 The Design and Operation of a Sewage Treatment Station in Qingdao City and the Rationalization Suggestions(ZHAO Xin, LUAN Cheng-mei)
- 152 Environmental Health Risk Assessment of the Drinking Water Sources of Yinchuan(PENG Xiao-yun)

# **Construction Technology**

- 154 Research on the Key Technology of Cable Tower Construction(WANG Jing-yu)
- 156 Analysis of Construction Control Points of Municipal Drainage Engineering(FENG Jia-lin)
- 158 Study on the Linear Control of Hanging Basket Cantilever Construction of Continuous Beam(YANG Jian-ming)
- 160 Discussion on Construction Technology of Transition Section of Railway Subgrade and Bridge(WEI Xiao-ya)
- 162 Analysis of the Innovation and Development of Civil Engineering Construction Technology(SUN Da-qing)
- 164 Study on Fine Management of Expressway Construction Technology (DONG Yi-chen)
- 166 Research on Subgrade Construction Technology(HUANG Hua-shan)
- 168 Study on Closing Construction Technology of Main Truss Girder of Three-Span Continuous Steel Truss Arch Bridge of Shanghai-Nantong Yangtze River Bridge(SU Li, LI Jian)
- 170 Key Technical Problems in the Construction of Large Spanning Continuous Beam(SUN Gui-sen)
- 172 The Application Strategy of High Performance Concrete in the Construction of Road and Bridge Engineering(ZHANG Ping-liang)
- 174 Welding Technology and Deformation of Large Steel Box Girder(WU Wen-bin)
- 176 Strengthening Design and Construction Technology of Building Structure (YI Jing)
- 178 Analysis of Technical Points of Large-Volume Concrete Construction in Building Projects(FU Hong-jie)
- 180 Analysis of the Construction Management of Railway Signal Engineering (YUE Cai-wen)
- 182 Research on the Construction Technology of Port Wharf Engineering (LIU Jian-dong)
- 184 Comprehensive Treatment Technology of Roadway Roof Water Leaching Under Complex Geological Conditions(ZHAO Shi-zhong, REN Shi-hu)
- 186 Discussion on the Construction Management Method of Building Foundation Pit Support Engineering(BI Chang-wu)
- 188 The Application of Equidistance Sensing Beam by Beam Tensioning Method in Stay Cable Tension Construction(CHEN Lun-li)
- 190 Construction Technology of Anti-Seepage Wall of Phase II Cofferdam of Tongzilin Hydropower Station on Yalong River(LIU Qiang)
- 192 Research on the Construction Technology and Management of Electrical Power Supply and Distribution Installation(ZHANG Ce)
- 195 The Effect and Role of Measurement Mode on Building Engineering Measurement Accuracy(SONG Zhi-yuan)
- 197 Quality Control Points of the Construction Supervision of the Cold and Regenerated Surface Course of the Factory Mixed Emulsified Asphalt (LIANG Xue)
- 199 Discussion on the Technical Difficulties of Continuous Beam Hanging Basket Construction of Bridge(SUN Chuan-yu)

#### Project Management

- 201 Comparative Analysis of Cost Level of Railway and Highway Tunnel Engineering Based on New Round Budget Compilation Method and Quota (DU Hai-rong)
- 205 Discussion on Drawing Pattern of Piping Layout in Hydropower Project (ZHOU Miao-xun, HE Bian)
- 207 The Application of Information Technology in the Modernization of Rural Water Conservancy(WEN Hong-pu)

- 209 Construction Market Analysis Based on Marketing Strategy of Construction Enterprises(YAN Wei)
- 211 Design and Consulting Management of the Multi-Party Collaborative Large-Scale Project(WANG Hao, HUANG Jun, WANG Lu-da)

2019 / 12 / CONTENTS

- 213 Research on Quality Testing and Management of Water Conservancy Projects (YU Heng-hui)
- 215 Study on Standardized Management of Construction Site of Surface Construction Project of Oil and Gas Field(YIN Xiao-bin)
- 217 Research on the Application of Project Management Information System in Large-Scale Chemical Construction Project(LIU Qian-hui)
- 219 Discussion on Dynamic Management and Control of Construction Cost(LU Lu)
- 221 Discussion on "BOT+EPC" Mode in Overseas Project Management (ZHANG Jian-hui)
- 223 Whole Process Control Analysis of Construction Quality of Water Conservancy and Hydropower Projects(LUO Jiang-bo)
- 227 Study on Green Economic Operation and Management of Thermal Power Plants(LIU Na)
- 229 Quality Control and Management Strategy of Municipal Road and Bridge Construction(YANG Rui-qi)
- 231 Research on Project Management and Cost Control of Small Water Conservancy Projects(WANG Mei-ying)
- 233 Discussion on the Management Method of Nuclear Grade Pipeline Support and Hanger Not Included in the Inspection Code in-Service of Nuclear Power Plants(CAO Xian-Meng, XU Li-hua, YU Yan-feng)
- 237 Study on the Influence Range of the Construction Efficiency of Subway Shield Tunneling on the Engineering Cost(CAI Ju-wei)
- 239 Safety Management and Safety Control Analysis of Hydropower Project Construction(GONG Xiao-hui)
- 211 The Change Claims Management in Construction of Construction Enterprises (XIE Bao-bing)
- 243 Analysis of the Importance of the Whole Process Engineering Cost in the Modern Construction Economic Management(ZHANG Bing-li)
- 245 Current Situation of Water Conservancy Project Operation Management (XIAO Hai-hong, ZHANG Xin-yu)
- 247 Discussion on the Management and Optimization of Petrochemical Project Under EPC General Contract Mode(MENG Ling-yan, LIANG Cheng-yong)
- 249 Analysis of the Importance and Measures of Construction Progress
  Management(SU Zhi-long)
- 251 The Application of Fine Management in Construction Engineering Management(LIU Chun-li)
- 253 Discussion on the Technical Management of Chemical Equipment Installation(MENG Han-xian)

## Intelligentialize and Informatization

- 255 Discussion on Feedforward Prediction Model of High-Density Crowd in Commercial Complex(YING Yin)
- 258 Study on Vectorization of Topographic Map Based on Airborne Lidar Aerial Survey Technology(XIA Bo, LEI Gang, FENG Yu-quan)
- 260 Study on the Optimization Design of Electrical Secondary System of Intelligent Substation(LI Xiao-fang, WANG Hua)
- 262 Practice of Intelligent Gate and Management of Real Name System of Labor Service in Smart Site Area(WANG Jin-feng, SU Hui-jie)
- 264 Design and Research of Intelligent Operation and Management Platform for Railway Logistics Base(SHI Xing)
- 266 Preliminary Exploration of Quality Control Technology of the Third National Land Survey(LIAO Ting-yu)
- 268 Practice and Thinking on Reducing Energy Consumption of Air Conditioning in Hospitals by Using Intelligent Temperature Control System (XIE Kai-yu, ZHU Bing-qiang)
- 272 The Application of UAV Tilt Photography Technology in Surveying and Mapping Engineering(CAO Ming)
- 274 Analysis and Selection of Micro-Grid Basic Control Strategy(ZHAN Bei-bei)
- 277 Research and Discussion on the Digitization Examination of the Construction Drawing Design Document(TAI Li-min)
- 279 The Automated Batch Processing of Land Right Confirmation Data Based on FME(LI Ji-ying)

