

国家新闻出版广电总局A类学术期刊 中国核心期刊(遴选)数据库 《中国学术期刊综合评价数据库》统计源期刊 《中国期刊(全文数据库)》《中国期刊网》全文收录期刊



# 工程设计与设计

主办: 国家机械工业局工程建设中心 中国机械工业勘察设计协会 中国中元国际工程有限公司 CN 11-3914/TU 2016年第10月 总第346期

CONSTRUCTION DESIGN & FOR ENGINEERING

2016年第10月 总第346期



ISSN 1007-9467  
9 771007 946103 10 >

**建筑与结构设计**

- 1 金叶榆在西北地区园林绿化中的应用(左敏,赵健,王君)
- 3 变废为宝 化腐朽为神奇——北京房山养老院建筑规划设计(赵克俭,许彦淳)
- 7 大同古城的历史、现在及未来(王国华)
- 11 低碳经济发展背景下的低碳高效城市园林绿化建设(朱辉菊)
- 13 摄影测量方法在工程应用中的分析研究(全海颺)
- 15 寒地建筑场地规划微气候适应性设计策略(林春翔,邵旭,陈晓丹)
- 17 工业厂房给排水设计中容易忽略的几个问题(邹琦)
- 19 基于幼儿心理发展及特征的广场铺装设计研究(李爱)
- 21 浅析绿色建筑生态节能设计(符凌,申敏)
- 23 核电厂常规岛与火电厂汽机厂房建设工期比较(赵琰韶)
- 25 基于ANSYS平台的斜拉桥结构动力响应分析(苗明臣)
- 27 钢结构建筑加固利用在扬州废弃垃圾场改造中的运用(季学军,张林龙)

**基础工程设计**

- 30 受软土侧向变形作用桩身侧压力系统分析(付关伟,邢飞)
- 32 浅谈公路路基施工技术及其质量控制(张绍迁)
- 34 铁路路基病害整治的技术探讨(孙恺,李发龙,黄雷青)
- 36 水泥土搅拌桩基本性质及应用(简少松)
- 38 试论岩土工程深基坑支护施工技术(杨殿斌)
- 40 既有铁路高路基帮宽填筑施工质量关键技术(张立忠)

**公用工程设计**

- 42 北京首都机场供暖季燃气日负荷预测模型的初步研究(邹文波)
- 44 电气设备在线监测与状态检修(王璋琪)
- 46 燃煤锅炉送引风机联锁控制策略对比与分析(柳建民)
- 48 浅谈用电检查面临的问题及反窃电措施(刘勇锋)
- 50 SEL-351保护装置调试中设计变更分析(王猛)
- 53 基于供电能力分析的高压配电网容量优化方法(戴敏,周炳华)
- 55 冻土地区某变电站接地方案研究(周圣枝,付磊,宋周)

**市政·交通·水利工程设计**

- 57 小跨径石拱桥实用加固方法研究(单东旭)
- 59 地铁施工对新建电力隧道的安全影响分析(韩伟)
- 63 浅谈新型建筑材料在桥梁建设中的应用(刘源)
- 65 浅谈农田水利渠道工程存在的问题及对策(白光胜)
- 67 浅析公路桥梁橡胶支座使用寿命的因素以及对策(龚卫红)
- 69 沁北蓄滞洪区冲刷对引丹入城工程埋管的影响(赵正伟,胡德祥)

**制造工程设计**

- 72 北盘江特大桥上弦杆制作技术(杨立群)
- 76 西门子涡轮压缩机组安装技术及施工管理(蒋荣)
- 80 浅谈管片厂的总体工艺设计(付帮景,郝永旺)

**环境工程设计**

- 82 燃煤电站烟气脱汞方法研究进展(陶君)
- 85 城市化进程中工业用地置换的生态环境影响探讨(张泉)
- 87 浅谈催化剂现场再生项目管理经验(陈鹏,谢正和,曹永吉,蔡旭明,胡国柱)
- 89 关于大气污染问题的环境检测及对策研究(姚勇)

- 91 论花境植物材料选择及设计(刘婷)

**工程施工技术**

- 93 分析公路工程中高填方路基施工技术(张勇)
- 95 浅析防渗漏技术在工民建中的应用与研究(尹春雷)
- 97 浅谈地下工程防水技术(孙德道)
- 99 水泥混凝土桥面铺装施工要点分析(刘爱华)
- 101 水泥灌浆防渗处理施工技术在水利工程中的应用(王志平)
- 103 浅谈大体积混凝土施工裂缝预防与温差控制(付岳强)
- 105 论高速公路沥青路面施工控制的关键技术(苏献素)
- 107 节能施工技术在土建工程中的应用探析(王斌)
- 109 梅溪湖国际文化艺术中心艺术馆异形钢结构施工技术(任杰强,黄立沙,巫明杰)

**工程项目管理**

- 112 探析公路工程施工现场管理(赵银诗)
- 114 试论如何优化铁路施工组织管理(郑天华,付万里)
- 116 混凝土搅拌站的生产及质量控制管理(徐庆)
- 118 工程管理理论解析与体系构建(周佳)
- 120 加强公路工程试验检测的措施分析(李琳)
- 122 化工项目全过程安全管理初探(孙宝亮)
- 125 工程监理招标的关键事项与政策把握(侯彦赫)
- 127 工程质量检测在建筑工程管理中的应用(钟欣)
- 129 浅析报送建设工程消防设计审核的常见问题及对策(张志刚)
- 131 定向钻井技术常见问题与对策探讨(张艳成)
- 133 路桥施工常见问题及其有效管理措施(高子龙)
- 135 浅谈宝兰客专无砟轨道道床板混凝土质量控制(李建)
- 137 浅析煤矿综采放顶煤回采率提升的技术措施(杨帆,马广志,乔连桥)
- 139 土建各类施工组织设计与现场管理(李琦)
- 141 桥梁工程施工安全监理控制分析(王飒)
- 143 监理“三控”在现浇混凝土桥梁裂缝控制中的应用(贾然)
- 145 码头油气回收在舟山发展的SWOT分析(王鑫雅,高建丰,卢锦杰,王邦文)
- 147 FiDiC合同条件下项目咨询与国内项目咨询差异分析(罗廷飞)
- 150 火力发电厂工程造价控制浅析(张树林)
- 152 浅谈水利水电工程项目的风险管理(孟兵锋)
- 154 建筑消防工程安全隐患成因与建议(院琛)
- 156 基于绿色循环发展下的工程项目可实施性研究(马继征)
- 158 高速公路施工现场管理措施分析(刘延平)
- 160 工程项目管理中工期—成本—质量综合均衡优化(赵鹏)
- 162 市政工程造价的控制与管理方式研究(贾敏,邵青)

**智能与信息化**

- 164 供热管网中CAESAR II软件的应用和注意事项(王皓,宋平,罗荣华)
- 167 现代信息控制在铁路通信系统中的应用(张永华)
- 170 浅析电力企业网络信息安全管理(杨艳辉)
- 172 全自动驾驶轨道交通综合监控系统关键功能要点研究(李欣,陈洪茹)
- 176 消防工程自动喷水灭火系统技术的应用初探(彭华伟)
- 178 GPS-PPK在航测中的应用(杨晓磊,代巨鹏,王军)
- 180 智慧规划中地理信息服务建设的关键技术(田鹏,王勇)
- 183 浅谈地理国情监测(王睿)

**Architectural and Structural Design**

- 1 Application of *Ulmus pumila cv.jinye* in Landscaping in Northwest China (ZUO Min, ZHAO Jian, WANG Jun)
- 3 Turn Waste into Treasure, Make the Ugly Beautiful—Architectural Planning and Design of the Nursing Home in Fangshan District, Beijing City (ZHAO Ke-jian, XU Yan-chun)
- 7 The History, Present and Future of the Ancient City in Datong (WANG Guo-hua)
- 11 Low-carbon Efficient Urban Landscaping Construction under the Background of Low-carbon Economy Development (ZHU Hui-ju)
- 13 Analysis and Research on Photogrammetry Method in Engineering Application (TONG Hai-biao)
- 15 Design Strategies for the Micro-climate Adaptation of Site Planning in Cold Areas (LIN Chun-xiang, SHAO Xu, Chen Xiao-dan)
- 17 Several Problems Easily Neglected in the Water Supply & Drainage Design of Industrial Plants (ZOU Qi)
- 19 Research on the Square Pavement Design Based on Infants' Psychological Development and Characteristics (LI Ai)
- 21 Analysis on Ecological Energy-saving Design of Green Buildings (FU Ling, SHEN Min)
- 23 Workshop Construction Duration Comparison Between CI of Nuclear Power Plant and Steam Turbine of Thermal Power Plant (ZHAO Yan-shao)
- 25 Analysis on Structure Dynamic Response of Cable-stayed Bridges Based on ANSYS Platform (MIAO Ming-chen)
- 27 The Application of Steel Structure Reinforcement in Renovation of Yangzhou Waste Dumps (JI Xue-jun, ZHANG Lin-long)

**Engineering Design of the Ground**

- 30 System Analysis on Lateral Pressure on Piles under Lateral Deformation of Soft Soil (FU Guan-wei, XING Fei)
- 32 Discussion on Construction Technology and Quality Control of Highway Subgrade (ZHANG Shao-qian)
- 34 Technical Discussion on the Treatment for Railway Subgrade Defects (SUN Kai, LI Fa-long, HUANG Lei-qing)
- 36 Basic Properties and Application of Cement-soil Mixing Pile (LIN Shao-song)
- 38 Discussion on the Construction Technology of Deep Foundation Pit Supporting in Geotechnical Engineering (YANG Dian-bin)
- 40 Key Technologies of Quality Control of High Subgrade Widen Construction in the Existing Railways (ZAHNG Li-zhong)

**Public Utilities Design**

- 42 Preliminary Study of Gas Daily Load Prediction Model in Heating Season for Beijing Capital Airport (ZOU Wen-bo)
- 44 On-line Monitoring and Condition-based Maintenance Technology of Electrical Equipment (WANG Cheng-qi)
- 46 Comparison and Analysis of Interlocking Control Strategy of Forced & Induced Draft Fans in Coal-fired Boilers (LIU Jian-min)
- 48 Discussion on Problems in Electricity Consumption Inspection and Countermeasures for Electricity Stealing (LIU Yong-feng)
- 50 Analysis on Design Alteration in SEL-351 Protection Device Debugging (WANG Meng)
- 53 Capacity Optimization Methods of High Voltage Distribution Lines Based on Power Supply Capability Analysis (DAI Min, ZHOU Bing-hua)
- 55 Study on Grounding Scheme of a Substation in Permafrost Area (ZHOU Sheng-zhi, FU Lei, SONG Zhou)

**Municipal · Traffic · Water Resources Engineering Design**

- 57 Analysis on Practical Reinforcement Methods of Small-span Stone Arch Bridges (SHAN Dong-xu)
- 59 Analysis on the Influence of Subway Construction on the New Power Tunnel's Safety (HAN Wei)
- 63 Application of New Building Materials in Bridge Construction (LIU Yuan)
- 65 Discussion on Problems and Countermeasures of Channel Projects of Irrigation and Water Conservancy (BAI Guang-sheng)
- 67 Analysis on the Factors and Countermeasures of the Life Span of Rubber Bearing in Highway Bridges (GONG Wei-hong)
- 69 Influence of Erosion in Qinbei Flood Detention Basin on Pipe-burying in Bring-Dan River-to-Qinyang Project (ZHAO Zheng-wei, HU De-xiang)

**Manufacture Engineering Design**

- 72 Manufacturing Technology of the Upper Chord of Beipan River Grand Bridge (YANG Li-qun)
- 76 Installation Technology Construction Management of SIEMENS Turbo Compressor Unit (JIANG Rong)
- 80 Discussion on Overall Technological Design of Segment Factories (FU Bang-jing, HAO Yong-wang)

**Environment Engineering Design**

- 82 Research Development of Method for Removing Mercury from Flue Gas in Coal-fired Power Stations (TAO Jun)
- 85 Discussion on the Eco-environmental Impact of Functional Substitution of Industrial Land in Urbanization Process (ZHANG Quan)
- 87 Discussion on Management Experience in Catalyst in-place Regeneration Projects (CHEN Peng, XIE Zheng-he, CAO Yong-ji, CAI Xu-ming, HU Guo-zhu)

- 89 Study on Environmental Detection and Countermeasures of Air Pollution (YAO Yong)
- 91 Material Selection and Design of Flower Border Plants (LIU Ting)

**Construction Technology**

- 93 Analysis on Construction Technology of High Embankment Subgrade in Highway Projects (ZHANG Yong)
- 95 Analysis on Application and Research of Anti-leakage Technology in Civil Engineering Construction (YIN Chun-lei)
- 97 Discussion on Waterproof Technology of Underground Projects (SUN De-dao)
- 99 Analysis on Construction Points of Cement Concrete Bridge Deck Pavement (LIU Ai-hua)
- 101 Application of Construction Technology of Cement Grouting Anti-seepage Treatment in Water Conservancy Projects (WANG Zhi-ping)
- 103 Discussion on Crack and Temperature Difference Control of Large Volume Concrete Construction (FU Yue-qiang)
- 105 Discussion on Key Technologies of Asphalt Pavement Construction Control in Expressway (SU Xian-su)
- 107 Analysis on Application of Energy-saving Construction Technology in Civil Engineering (WANG Bin)
- 109 Special-shaped Steel Structure Construction Technology of Meixihu International Culture & Arts Center Gallery (REN Jie-qiang, HUANG Li-sha, WU Ming-jie)

**Project Management**

- 112 Analysis on Site Management of Highway Engineering Construction (ZHAO Yin-shi)
- 114 Discussion on How to Optimize the Organization and Management of Railway Construction (ZHENG Tian-hua, FU Wan-li)
- 116 Management of Production and Quality Control of Concrete Mixing Plants (XU Qing)
- 118 Analysis and System Construction of Engineering Management Theory (ZHOU Jia)
- 120 Analysis on Measures to Strengthen Test Detection in Highway Projects (LI Lin)
- 122 Primary Exploration of Safety Management of the Whole Process of Chemical Projects (SUN Bao-liang)
- 125 Key Issues and Policies of Project Supervision Bidding (HOU Yan-he)
- 127 Application of Construction Quality Test in Building Construction Management (ZHONG Xin)
- 129 Analysis on Common Problems of Fire Design Audit of Construction Projects and Countermeasures (ZHANG Zhi-gang)
- 131 Discussion on Common Problems of Directional Drilling Technology and Countermeasures (ZHANG Yan-cheng)
- 133 Common Problems in Road and Bridge Construction and Effective Management Measures (GAO Zi-long)
- 135 Discussion on Quality Control of Slab Concrete in Baoji-Lanzhou High-speed Railway Ballastless Track (LI Jian)
- 137 Analysis on Technical Measures to Promote the Recovery Ratio of Top Coal in Comprehensive Coal Mining and Fully Mechanized Coal Mining (YANG Fan, MA Guang-zhi, QIAO Lian-qiao)
- 139 Design and Site Management of Different Construction Organizations in Civil Engineering (LI Qi)
- 141 Analysis on Construction Safety Supervision Control in Bridge Projects (WANG Sa)
- 143 Application of "Three Controls" of Supervision in Crack Control of Cast-in-place Concrete Bridges (JIA Ran)
- 145 SWOT Analysis of the Development of Terminal Oil and Gas Recovery in Zhoushan (WANG Xin-ya, GAO Jian-feng, LU Jin-jie, WANG Bang-wen)
- 147 Analysis on the Differences Between Project Consulting on the Condition of FIDIC Contract and Domestic Project Consulting (LUO Ting-fei)
- 150 Analysis on Project Cost Control of Thermal Power Plants (ZHANG Shu-lin)
- 152 Discussion on the Risk Management of Water Conservancy and Hydropower Projects (MENG Bing-feng)
- 154 Causes for Safety Risks of Building Fire Protection Projects and Suggestions (YUAN Chen)
- 156 Research on the Feasibility of Engineering Projects Based on Green Cyclic Development (MA Ji-zheng)
- 158 Analysis on Site Management Measures of Highway Construction (LIU Yan-ping)
- 160 Comprehensive Balance Optimization of Duration-Cost-Quality in Project Management (ZHAO Peng)
- 162 Study on Control and Management Mode of Municipal Engineering Cost (JIA Min, SHAO Qing)
- 164 Application and Problems to Be Focused of CAESARII Software in Heating Pipelines (WANG Hao, SONG Ping, LUO Rong-hua)
- 167 Application of Modern Information Control Technology in Railway Communication System (ZHANG Yong-hua)
- 170 Analysis on Network Information Security Management of Electric Power Enterprises (YANG Yan-hui)
- 172 Study on the Key Functions of ISCS in Full Automatic Operation Rail Transit (LI Xin, CHEN Hong-ru)
- 176 Preliminary Study on Technology Application of Automatic Sprinkler System in Fire Fighting Engineering (PENG Hua-wei)
- 178 Application of GPS-PPK in Aerial Survey (YANG Xiao-lei, DAI Ju-peng, WANG Jun)
- 180 Key Technologies of Geographic Information Service in Intelligent Planning (TIAN Peng, WANG Yong)
- 183 Discussion on Geographical Monitoring of National Conditions (WANG Rui)