



工程建设与设计

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 2021 年第 10 月下 总第 466 期



QK2141588



北京大学生命科学科研大楼
内庭院俯视

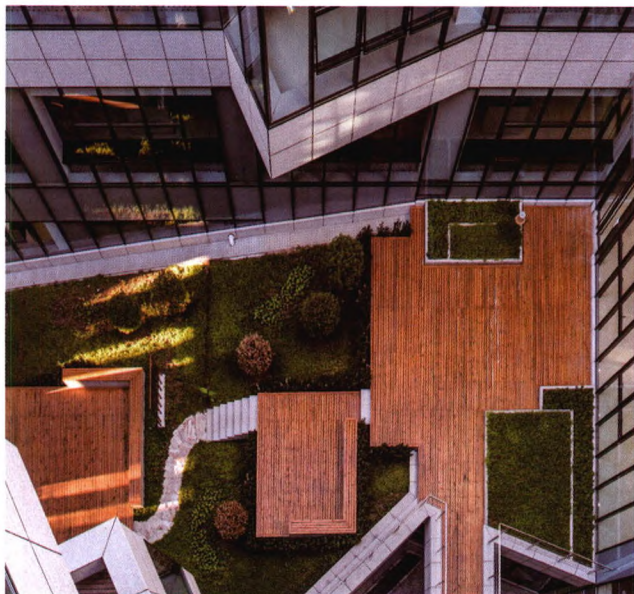
万方数据

ISSN 1007-9467



9 771007 946219

2.00



中国中元国际工程公司

建筑与结构设计

- 01 某电梯试验塔结构刚度突变对策研究
(陈春晖, 徐其功, 魏还俊, 郑昊)
- 04 不规则高层建筑结构设计要点分析(招云杰)
- 07 非线性设计与建筑创新核心探索(薛颖, 屈壮)
- 10 钢框架结构检测鉴定与加固设计关键分析
(骆利)
- 13 基于生态保护的湿地公园景观规划研究(戴静)
- 15 房地产营销视角下居住建筑设计探析(牛可心)
- 18 建筑结构抗浮设计分析
(李泽兰, 赵青羽, 丁国治, 刘伯江, 尹海松)

基础工程设计

- 21 环球影城项目基坑支护设计创新探讨(范丹岚)
- 24 关于超大规模深基坑内支撑分阶段拆除工艺的探讨(王宁龙, 胡长姣)
- 27 建筑工程深基坑支护中锚喷支护技术的应用探讨
(孔令熙, 李佳良)
- 30 建筑结构地基基础设计现存问题和解决措施分析
(许景达, 赵文亮, 杨海彬, 刘欣, 丁遵永)

- 33 刍议基坑开挖工程岩土工程勘察中水文地质条件的评价(康耀)

公用工程设计

- 36 对建筑电气设计中变压器节能问题的分析
(梁良)
- 38 10 kV及以下配电线路运行维护及新型检修技术应用(庄天)
- 41 变电站电气自动化与电力安全运行分析
(张旭东)

市政·交通·水利工程设计

- 45 城市轨道交通客流导向标识系统研究
(唐晓勇, 黄凤至, 王昕, 袁新村, 桂笛, 陶艳兵)
- 48 城市轨道交通牵引计算曲线与信号控制列车运行曲线差异分析——以长沙地铁5号线一期工程为例
(王超宇)
- 51 公路桥梁拓宽拼接对新旧主梁荷载分布系数的影响研究(王宝龙)
- 55 交通荷载下扶壁式挡墙受力与变形特性分析
(王建辉)
- 58 新旧桥梁拓宽拼接力学行为研究(高士亮)
- 61 设计资料缺失的既有桥梁承载力评定技术
(向明雯)
- 65 交通荷载作用下悬臂式挡土墙力学特性研究
(徐庶德)
- 68 深圳地铁南油站建筑设计方案探索和研究
(胡哲)
- 71 山区高速公路的边坡勘察设计常见问题研究
(尹文锋, 蔡鹏)
- 74 基于地铁规划控制区预加固超大框支桩的设计施工研究(耿鹏超, 魏利新, 柴达)
- 77 城市地下车行系统建设的探索与实践(丁嘉毅)
- 80 现代城市分类垃圾桶设计探讨
(苏文华, 王昕, 桂笛, 陶艳兵)
- 83 高速公路装配式挡土墙发展现状研究(杨化庆)
- 86 路基工程防排水综合处理技术的探析(王诚欣)
- 89 海绵城市理念下市政给排水设计要点探讨
(师雨潇)

- 92 公路桥梁拓宽拼接设计关键问题分析 (闫金刚)

环境工程设计

- 95 混凝土搅拌站粉尘污染与绿色化治理技术探究
(胡成留)

智能与信息化

- 98 高密度全数字地震勘探技术在煤田中的应用及效果分析 (宋琳)
- 100 基于DOM的高速公路收费里程数据采集与计算研究
(高源, 张开坤, 胡帅朋)
- 104 高速公路路线三维地质建模研究——以雄信高速为例 (胡飘野)
- 108 基于物联网的高速公路机电系统运维管理体系研究 (任光远)
- 111 基于BIM的绿色建筑能耗管控核心技术研究
(宋永朋, 张艳)
- 114 基于大数据技术的水利工程信息化应用分析
(廖志伟)

工程施工技术

- 117 连续刚构桥施工技术探讨 (黄模镇)
- 121 沥青路面透层和下封层施工常见问题及相关质量控制 (黄凌辉)
- 124 跨铁路桥梁施工技术方案简析 (潘承勇)
- 128 铝合金模板在预制装配式结构施工中的应用分析
(王仲勋, 李彬彬, 李波, 何建)
- 131 桥梁基础工程中深厚卵石层工程勘察及技术分析
(巨智文)
- 133 市政施工中地下管线长距离顶管施工技术研究
(翁程亮)
- 137 桥梁桩基钻孔施工钢平台搭设技术 (张晓阳)
- 140 一种成槽尺寸测量方法在地下连续墙施工中的应用
(刘自强, 张凯)
- 143 隧道工程喷膜防水技术的发展与应用现状
(李新龙)
- 146 软土地区岩土工程勘察技术要点分析 (夏飞跃)
- 149 公路桥梁养护与维修加固施工技术的应用
(王文蔚)
- 152 混凝土施工技术在水利水电工程施工中的应用
(梁荣, 王华明, 袁婷)

- 154 建筑施工中防水防渗施工技术解析
(安伟东, 刘伯江, 尹海松, 李泽兰, 丁国治)
- 157 水利施工中灌浆技术的应用研究 (李吉松)
- 160 装配式施工技术在建筑施工中的应用 (任晓斌)
- 163 复杂地质条件下隧道施工技术研究 (陈建波)
- 165 钢筋混凝土结构施工技术在房屋建筑施工中的应用
(王丹阳, 王东明, 张欢)
- 168 公路施工软土地基处理技术及控制要点探究实践
(顾鹏)
- 171 装配式建筑叠合板施工技术
(程琦杰, 马向民, 杜志鹏, 白鹏)
- 174 钢筋混凝土坡屋面渗漏的原因与控制方法研究
(官斌斌, 李琳, 张宝, 侯斌, 王敬森)
- 177 护筒跟进在溶洞桩施工中的应用 (王涛)
- 180 公路工程施工安全管理措施及施工技术分析
(郑忠华)

工程项目管理

- 183 基层单位零星工程建设管理分析 (刘阳欣)
- 185 高层房屋建筑工程施工安全风险研究
(陆洋)
- 188 高速公路PPP项目工程造价中风险包干费的使用及管理问题探讨 (陈凯凯)
- 192 “互联网+”时代推动工程物资设备管理提质增效要点分析 (郭呈玺)
- 195 园林绿化工程质量监理及控制 (张阳)
- 197 铁路站房邻近营业线施工安全管理研究
(刘孟学)
- 201 公路工程施工管理中加强机械设备管理的重要性
(张华伟)
- 203 基于施工衔接的建筑施工图设计问题调整方法探讨 (杨亚男)
- 206 房建工程施工管理中精细化管理的运用
(陈晓丁, 李洋洋, 王永争)
- 209 探析市政工程的EPC项目成本管理 (董晨)
- 212 建筑工程施工技术及其现场施工管理研究
(韩国栋)

Architectural and Structural Design

- 01 Study on the Strategy of Structural Stiffness Mutation of an Elevator Test Tower(CHEN Chun-hui, XU Qi-gong, WEI Huan-jun, ZHENG Hao)
- 04 Analysis on Key Points of Structural Design of Irregular High-Rise Buildings(ZHAO Yun-jie)
- 07 Exploration on the Core of Nonlinear Design and Architectural Innovation(XUE Ying, QU Zhuang)
- 10 Key Analysis of Steel Frame Structure Detection and Reinforcement Design(LUO Li)
- 13 Study on Landscape Planning of Wetland Park Based on Ecological Protection(DAI Jing)
- 15 Analysis of Residential Building Design From the Perspective of Real Estate Marketing(NIU Ke-xin)
- 18 Anti-Floating Design Analysis of Building Structure(LI Ze-lan, ZHAO Qing-yu, DING Guo-zhi, LIU Bo-jiang, YIN Hai-song)

Engineering Design of the Ground

- 21 Discussion on the Innovation of Foundation Pit Supporting Design for Universal Studio Project(FAN Dan-lan)
- 24 Discussion on Staged Demolition Technology of Inner Braces in Super-Large Deep Foundation Pit(WANG Ning-long, HU Chang-jiao)
- 27 Discussion on the Application of Bolt-Shotcrete Support Technology in Deep Foundation Pit Supporting of Building Engineering(KONG Ling-xi, LI Jia-liang)
- 30 Analysis of Existing Problems and Solutions in Foundation Design of Building Structures(XU Jing-da, ZHAO Wen-liang, YANG Hai-bin, LIU Xin, DING Zun-yong)
- 33 Discussion on the Evaluation of Hydrogeological Conditions in Geotechnical Investigation of Foundation Pit Excavation Engineering(KANG Yao)

Public Utilities Design

- 36 Analysis on Energy Saving of Transformer in Building Electrical Design(LIANG Liang)
- 38 Operation Maintenance and New Maintenance Technology Application for 10 kV and Below Distribution Lines(ZHUANG Tian)
- 41 Analysis of Substation Electrical Automation and the Safe Operation of Power(ZHANG Xu-dong)

Municipal-Traffic-Water Resources Engineering Design

- 45 Research on Guide Sign System for Passenger Flow of Urban Rail Transit(TANG Xiao-yong, HUANG Feng-zhi, WANG Xin, YUAN Xin-cun, GUI Di, TAO Yan-bing)
- 48 Analysis of the Difference Between Traction Calculation Curve and Signal Control Train Operation Curve of Urban Rail Transit—Taking the First Phase of Changsha Metro Line 5 as an Example(WANG Chao-yu)

- 51 Study on the Influence of Highway Bridge Widening and Splicing on the Load Distribution Coefficient of New and Old Main Beams(WANG Bao-long)
- 55 Study on Mechanical Characteristics of Cantilever Retaining Wall Under Traffic Load(WANG Jian-hui)
- 58 Study on Mechanical Behavior of Widening and Splicing of Old and New Bridges(GAO Shi-liang)
- 61 Evaluation Technology of Bearing Capacity of Existing Bridges with Missing Design Data(XIANG Ming-wen)
- 65 Study on Mechanical Characteristics of Cantilever Retaining Wall Under Traffic Load(XU Shu-de)
- 68 Exploration and Research on Architectural Design Scheme of Nanyou Station of Shenzhen Metro(HU Zhe)
- 71 Study on Common Problems in Slope Survey and Design of Expressway in Mountainous Area(YIN Wen-feng, CAI Peng)
- 74 Research on the Design and Construction of Pre-Reinforced Super-Large Frame-Supported Piles Based on Subway Planning Control Area(GENG Peng-chao, WEI Li-xin, CHAI Da)
- 77 Exploration and Practice of Urban Underground Vehicle System Construction(DING Jia-yi)
- 80 Discussion on the Design of Classified Garbage Can in Modern Urban(SU Wen-hua, WANG Xin, GUI Di, TAO Yan-bing)
- 83 Research on the Development Status of Fabricated Retaining Wall for Expressway(YANG Hua-qing)
- 86 Analysis on Comprehensive Treatment Technology of Waterproof and Drainage in Subgrade Engineering(WANG Cheng-xin)
- 89 Discussion on Key Points of Municipal Water Supply and Drainage Design Under the Concept of Sponge City(SHI Yu-xiao)
- 92 Analysis of Key Problems in Widening and Splicing Design of Highway Bridges(YAN Jin-gang)

Environment Engineering Design

- 95 Research on Dust Pollution and Green Treatment Technology for Concrete Mixing Station(HU Cheng-liu)

Intelligentize and Informatization

- 98 Application and Effect Analysis of High Density Full Digital Seismic Exploration Technology in Coalfield(SONG Lin)
- 100 Research on Data Collection and Calculation of Expressway Toll Mileage Based on DOM(GAO Yuan, ZHANG Kai-kun, HU Shuai-peng)
- 104 Study on 3D Geological Modeling of Expressway Route—Taking XiongXin Expressway as an Example(HU Piao-ye)
- 108 Analysis on the Operation and Maintenance Management System of Electromechanical System Based on Information Expressway(REN Guang-yuan)
- 111 Research on the Core Technology of Green Building Energy Consumption Control Based on BIM(SONG Yong-peng, ZHANG Yan)

- 114 Application Analysis of Water Hydraulic Engineering Informatization Based on Big Data Technology(LIAO Zhi-wei)

Construction Technology

- 117 Discussion on Construction Technology of Continuous Rigid Frame Bridge(HUANG Mo-zhen)
- 121 Common Problems and Related Quality Control in the Construction of Asphalt Pavement Penetration Layer and Undersealing Layer(HUANG Ling-hui)
- 124 Brief Analysis on Construction Technology Scheme of Bridge Across Railway(PAN Cheng-yong)
- 128 Application Analysis of Aluminum Alloy Formwork in Prefabricated Structure Construction(WANG Zhong-xun, LI Bin-bin, LI Bo, HE Jian)
- 131 Engineering Investigation and Technical Analysis of Deep Cobble Layer in Bridge Foundation Engineering(JU Zhi-wen)
- 133 Research on Long Distance Pipe Jacking Construction Technology of Underground Pipeline in Municipal Construction(WENG Cheng-liang)
- 137 Erection Technology of Steel Platform for Bridge Pile Foundation Drilling Construction(ZHANG Xiao-yang)
- 140 Application of a Groove Size Measurement Method in Underground Diaphragm Wall Construction(LIU Zi-qiang, ZHANG Kai)
- 143 Development and Application Status of Membrane Spraying Waterproof Technology in Tunnel Engineering(LI Xin-long)
- 146 Key Points of Geotechnical Engineering Investigation in Soft Soil Area(XIA Fei-yue)
- 149 Application of Maintenance and Reinforcement Construction Technology of Highway Bridge (WANG Wen-wei)
- 152 Application of Concrete Construction Technology in Water Conservancy and Hydropower Engineering Construction(LIANG Rong, WANG Hua-ming, YUAN Ting)
- 154 Analysis of Waterproof and Anti-Seepage Construction Technology in Building Construction(AN Wei-dong, LIU Bo-jiang, YIN Hai-song, LI Ze-lan, DING Guo-zhi)
- 157 The Application Research on Grouting Technology in Water Conservancy Construction(LI Ji-song)
- 160 Application of Assembly Construction Technology in Building Construction(REN Xiao-bin)
- 163 Research on Tunnel Construction Technology Under Complex Geological Conditions(CHEN Jian-bo)
- 165 The Application of Reinforced Concrete Structure Construction Technology in Building Construction(WANG Dan-yang, WANG Dong-ming, ZHANG Huan)
- 168 Study and Practice of Soft Soil Foundation Treatment Technology and Control Points in Highway Construction(GU Peng)
- 171 Construction Technology of Laminated Slab in Prefabricated Building(CHENG Qi-jie, MA Xiang-min, DU Zhi-Peng, BAI Peng)

- 174 Study on Causes and Control Methods of Leakage of Reinforced Concrete Sloping Roof(GUAN Bin-bin, LI Lin, ZHANG Bao, HOU Bin, WANG Jing-sen)
- 177 Application of Casing Follow-up in Pile Foundation Construction in Karst Cave(WANG Tao)
- 180 Discussion on Safety Management Measures and Construction Technology of Highway Engineering Construction(ZHENG Zhong-hua)

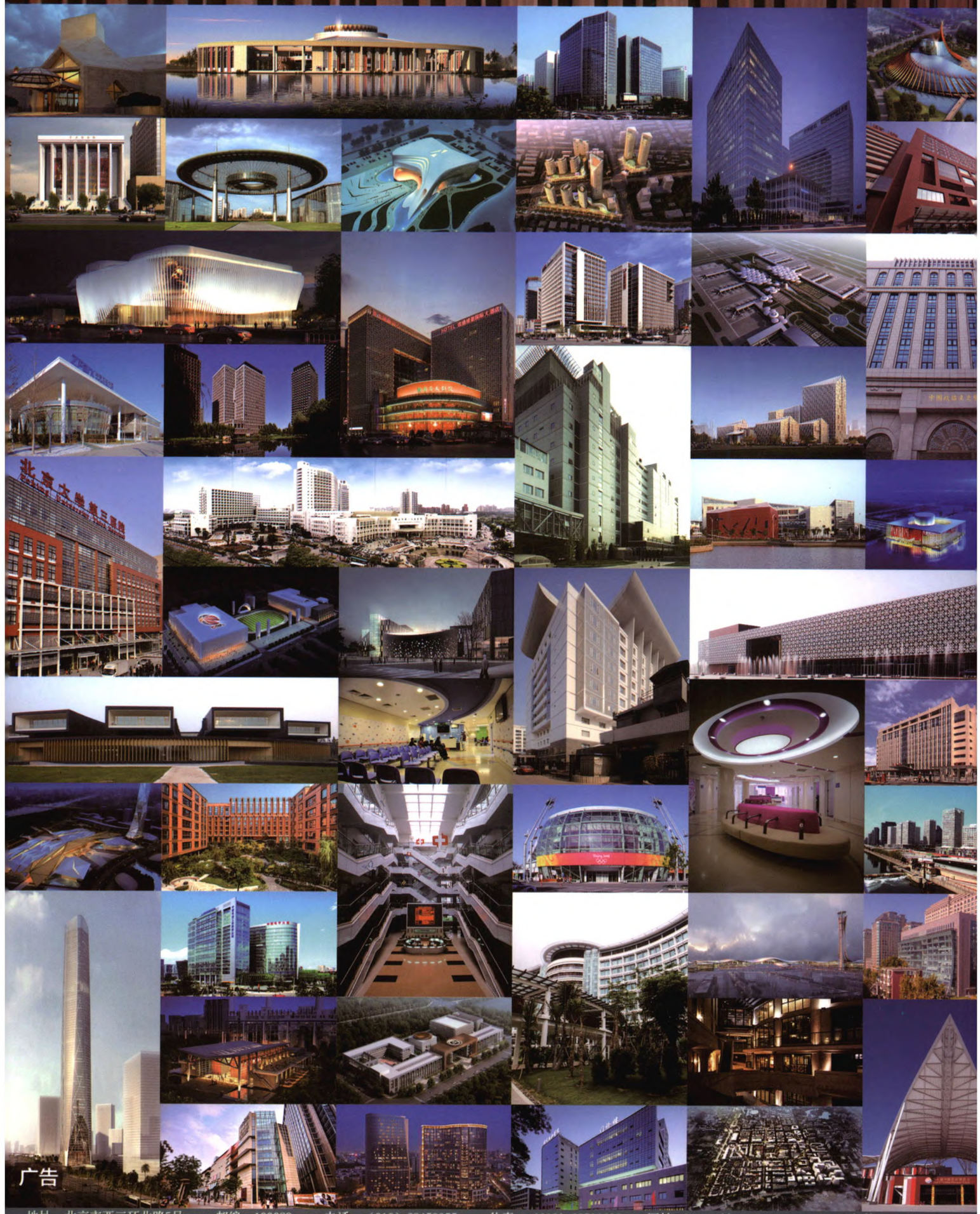
Project Management

- 183 Analysis of Construction Management of Basic Unit Sporadic Projects(LIU Yang-xin)
- 185 Study on Construction Safety Risk Management of High-Rise Buildings(LU Yang)
- 188 Discussion on the Application and Management of Risk Lump Sum Fee in the Construction Cost of Expressway PPP Project(CHEN Kai-kai)
- 192 Analysis on Key Points to Improve Quality and Efficiency of Engineering Materials and Equipment Management in the "Internet +"Era(GUO Cheng-xi)
- 195 Quality Supervision and Control of Landscaping Engineering (ZHANG Yang)
- 197 Study on Construction Safety Management of Business Line Adjacent to Railway Station Building(LIU Meng-xue)
- 201 The Importance of Strengthening Mechanical Equipment Management in Highway Engineering Construction Management(ZHANG Hua-wei)
- 203 Discussion on Adjustment Method of Architectural Construction Drawing Design Based on Construction Connection(YANG Ya-nan)
- 206 Application of Fine Management in Construction Management of Housing Construction Project(CHEN Xiao-ding, LI Yang-yang, WANG Yong-zheng)
- 209 Exploring the Cost Management of EPC Project of Municipal Engineering(DONG Chen)
- 212 Research on Construction Technology and Site Construction Management of Building Engineering(HAN Guo-dong)



中国中元国际工程有限公司

CHINA IPPR INTERNATIONAL ENGINEERING CO., LTD.



广告

地址：北京市西三环北路5号 邮编：100089 电话：(010) 68458355 传真：(010) 68732688 网址：<http://www.ippr.com.cn> 邮箱：office@ippr.net