



Q K 1 7 4 1 7 8 5



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 2017 年第 12 月上 总第 373 期



中国中元国际工程有限公司
玛霍索综合医院项目

万方数据

ISSN 1007-9467
9 771007 946103
12>



动态资讯

03 “《建筑业10项新技术(2017版)》正式颁布”等信息10则

特别关注

08 中老两国领导人见证援老挝玛霍索综合医院项目奠基仪式

论坛

10 则邑断裂第四纪活动特征分析

**建筑与结构设计**

- 13 大型燃气轮机试验站设计概述(胡益鑫, 朱贤斌, 浦玉池)
- 16 车间消能减震加固设计的方法(李辉)
- 18 某环卫车装配车间改造项目建设(王仲恒, 王珺, 葛晖, 张平安)
- 21 高烈度区多层结构抗震分析与选型设计(陆长生, 黄希民, 孙海涛)
- 23 某门式刚架轻型钢结构厂房倒塌事故分析(余金, 申平原)
- 26 超长地下室混凝土结构裂缝控制设计(董磊, 李震)
- 31 浅析历史文化区城市设计中传统与现代的共存共生——以常州延陵中路天宁寺舣舟亭段历史文化区城市设计方案为例(吴薇薇, 周立)
- 34 关于住宅工程质量设计常见问题(李晓阳, 谭紫屏)
- 37 对称母线旋转体菱形金属框支撑维护结构的建模分析(白启安)
- 42 工程设计企业BIM开发团队的规划建设分析(张可心, 刘雷, 田芮利)
- 45 论城市规划设计中的生态环境规划设计要点(杜宪政)
- 47 深坑地下室封闭空间复杂支撑后拆除工艺探讨(陈建林, 陶志红, 刘敬杰, 章桂生)
- 51 谈低碳概念下的建筑设计应对策略(熊传贵)
- 53 分离岛式地铁车站建筑设计分析(陈小飞)

基础工程设计

- 56 工程地质勘察报告中存在的问题探讨(陈睦峰, 张小青)
- 59 某跨海大桥淤泥质黏土工程地质特性试验研究(陶梦玲, 安旭)
- 62 谈垃圾填埋场勘察过程中水文地质试验(王亮)
- 66 DHT土凝岩稳定材料耐久性试验研究(汲平, 迟朝明)
- 68 对自承重墙高厚比验算几个问题的分析(胡海波, 陈建城)
- 72 尖山隧道水文地质条件分析及涌水量的预测(王学荣)

公用工程设计

- 74 电气节能减排及光伏新能源的应用(高艳, 丁明进, 霍利杰)
- 77 基于赋时颜色Petri网的实用故障诊断算法研究(罗婷, 石璐, 闫超, 吕晓晓)
- 80 基于IBMS的火灾报警跨系统联动研究(薛飞)

市政·交通·水利工程设计

- 82 某高速公路滑坡原因分析及处治措施(赵文建)
- 85 含盐地层隧道修建关键技术研究(肖勇刚)
- 88 梁式桥基于抗震性能的抗震设计分析(邢智博)
- 91 水电站多用途调压阀应用(吴现, 张跃忠)
- 94 善泥坡水电站非对称Y型月牙肋岔管设计(叶文字, 王荣荣, 罗玉霞)
- 97 市政道路工程沥青路面设计浅谈(马光伟)
- 99 公路交通安全设施设计的原理和方法(张佳佳)
- 102 园林实景演出中动态景观的营造初探——以“印象·刘三姐”为例(尹树荣)
- 106 长寿命沥青混凝土路面结构设计要点分析(高海斐)
- 109 地道桥连续弯梁的受力特点和结构设计分析(张淦)
- 111 下穿高速公路桥梁设计分析(吴哲娜)
- 114 城市市政给排水的规划设计(王银川, 陈思奇)
- 116 城市滨河绿地景观中的海绵城市设计思考(刘斐, 李萌迪)
- 119 工程建设对邻近地铁隧道产生变形影响后的微扰动注浆修复工艺与效果分析(陈凯骅, 方涛, 蔡大伟, 王争虎)
- 121 公路设计应考虑的交通安全因素分析(郭莎莎)
- 124 探讨公路路基路面排水设计(阴洁亮)
- 127 南京长江路历史文化街区公共景观的保护与再生设计模式研究(苏婧, 蒋琳)
- 130 桥头跳车的病因探析和防治措施(李鹏)
- 133 公路市政化改造横断面设计分析(徐李莉)

智能与信息化

- 136 基于改进模态应变能法的传感器布置探讨(高长青, 樊英)
- 138 一种基于Agent的自适应负载均衡算法(章玉龙, 李志, 刘潇)

工程施工技术

- 142 BIM技术在装配式建筑施工中的应用(吴炜刚, 吕伟)
- 145 东河特大桥绿色施工技术(来国杰)
- 148 整体抽拔式内模装置在组合箱梁施工中的应用(王宜钰)
- 150 PDCA循环模型在福建LNG项目5#储罐工程施工进度中的应用(许杰)
- 153 流水施工技术在建筑工程施工管理中的运用(李春辉)
- 155 公路桥梁施工中钻孔灌注桩质量控制研究(王锋)
- 158 GFRP套管钢筋混凝土偏心受压柱力学性能数值分析(王群雄, 杨龙刚, 成志荣)
- 162 土木工程施工中的材料选择及质量控制对策(谢子建)
- 164 某码头施工方法与技术要点(王峡)
- 166 桥梁施工中大跨径连续桥梁施工技术的应用(孙秀红)
- 169 热力管线穿越地裂缝防裂技术措施(张顺宇)
- 171 绿色施工技术在路桥工程中的应用研究(赵莹)
- 174 输电线路工程深基坑基础施工技术探究(刘强, 王庭, 王春林)
- 177 装配式施工技术在城市配电网中的应用研究(张法成)

工程项目管理

- 180 道桥施工中常见技术问题及解决对策(李新鹏)
- 182 公路桥梁隧道工程施工防水设施应用(李刚, 杨飞雪)
- 185 水利水电工程施工安全管理探讨(胡红燕)
- 187 盾构隧道施工中同步注浆浆液配合比设计及应用(吴超)
- 190 薄板焊接自动化技术研究(杨晨, 黄建根, 寿颜波, 蒋宇鹏, 王志家, 徐锐)
- 192 火电站建设项目管理问题及对策(张广杰)
- 194 BIM在建设工程造价管理中的适用性探究(何甫霞)
- 197 水利工程建设管理存在的问题及对策(余鲲)
- 199 地质勘查项目施工成本管理研究(吴立岗, 蔡可龙, 王金国)
- 202 试述建筑工程项目管理的现状问题及控制措施(王传兵)
- 204 一种基于eM-Engineer的体力负荷评价方法(徐镇, 张玉静)
- 207 公路工程施工资料管理分析(郭林瑞)
- 209 EPC总承包与代建制的风险防范措施(杨铁民)
- 212 烟草行业工程建设行业最适宜评标方法的探讨(邬海卿)
- 216 安顺投资大厦工程建设项目EPC总承包项目进度管理(王顺柯)
- 220 工程预算在建筑工程造价管理中的重要作用(唐文杰)
- 222 基于BIM技术的建筑施工管理应用研究(梁淑刚)
- 225 采用冲击钻成槽施工柔性地连墙工艺的质量控制难点及检测(李运红)
- 228 论建筑工程施工现场管理的优化策略(宋国飞)
- 231 路桥施工管理过程的创新管理探析(董召辉)
- 233 探究县供电企业电力基建工程管理的优化路径(安育欣)
- 235 论公路工程管理的创新发展(李腾腾)

**Architectural and Structural Design**

- 13 Design Overview of Large Scale Gas Turbine Test Station (HU Yi-xin, ZHU Xian-bin, PU Yu-chi)
- 16 Energy Dissipation and Reinforcement Design Method for Workshop (LI Hui)
- 18 Reconstruction Project of Sanitation Truck Assembly Workshop (WANG Zhong-heng, WANG Jun, GE Hui, ZHANG Ping-an)
- 21 Anti-seismic Analysis and Structure Selection Design of Multi-storey Structure in High Intensity Region (LU Chang-sheng, HUANG Xi-min, SUN Hai-tao)
- 25 Analysis on Collapse Accidents of Steel Structure of Light-Weight Factory Building with Gabled Frames (YU Jin, SHEN Ping-yuan)
- 28 Concrete Structure Crack Control Design of Overlong Basemen (DONG Lei, LI Zhen)
- 31 The Coexistence of Tradition and Modernity in Urban Design: Yizhoutong History and Culture Area Changzhou (WU Wei-wei, ZHOU Li)
- 34 Common Problems About Quality Design of Housing Project (LI Xiao-yang, TAN Zi-ping)
- 37 The Modeling Analysis of the Structure for Supporting Maintenance of Rhombic Metal Frame Rotating on the Symmetric Generatrix (BAI Qi-an)
- 42 Analysis of the Planning and Construction on BIM Developing Team in EPC Enterprise (ZHANG Ke-xin, LIU Lei, TIAN Rui-li)
- 45 Discussion on Ecological Urban Planning and Design Key Points in Urban Planning and Design (DU Xian-zheng)
- 47 Research on Construction Technology of Post-Demolishing of Deep Foundation Pit Support in Enclosed Basement (CHEN Jian-lin, TAO Zhi-hong, LIU Jing-jie, QIN Gui-sheng)
- 51 Discussion on the Strategy of Architectural Design Under Low-carbon Concept (XIONG Chuan-xian)
- 53 Architectural Design Analysis of Isolated Island Metro Station (CHEN Xiao-fei)

Engineering Design of the Ground

- 56 The Discussion of Some Problems in Geological Exploration Reports (CHEN Mu-feng, ZHANG Xiao-qing)
- 59 Experiment and Research on the Geological Characteristics of Silt Clay in a Cross-sea Bridge Project (TAO Meng-ling, AN Xu)
- 62 Discussion on Hydrogeological Test in the Process of Landfill (WANG Liang)
- 65 Experimental Study on Durability of DMT Soil Condensate Rock Stabilized Material (JI Ping, CHI Zhao-ming)
- 68 Analysis on the Calculation of Height to Thickness Ratio of Non-bearing Masonry Walls (HU Hai-bo, CHEN Jian-cheng)
- 72 Analysis of Hydrogeological Conditions and Prediction of Water Inflow in Jianshan Tunnel (WANAG Xue-rong)

Public Utilities Design

- 74 Electric Energy Saving and Emission Reduction and Application of Photovoltaic New Energy (GAO Yan, DING Ming-jin, HUO Li-jie)
- 77 Based on Assigned Color When the Petri Net of Practical Fault Diagnosis Algorithm Research (JUO Ting, SHI Lu, YAN Chao, LV Xiao-lu)
- 80 The Research of Fire Alarm Cross-System Linkage Based on IBM (XUE Fei)

Municipal · Traffic · Water Resources · Engineering Design

- 82 The Cause Analysis and Treatment Measures of a Highway Landslide (ZHAO Wen-jian)
- 85 Key Technology Research of Tunnel Construction in Saliferous Stratum (XIAO Yong-gang)
- 88 Seismic Design Analysis of Beam Bridge Based on Seismic Performance (XING Zhi-bo)
- 91 Application of Multi-purpose Pressure Regulating Valve in Hydropower Station (WU Xian, ZHANG Yue-zhong)
- 94 The Design of Non-symmetrical Y-shaped Crescent Rib Reinforced Branch Pipe in Shannipo Hydropower Station (YE Wen-yu, WANG Rong-rong, LUO Yu-xia)
- 97 The Design of Asphalt Pavement of Municipal Road Works (MA Guang-wei)
- 99 The Principles and Methods of Highway Traffic Safety Facilities Design (ZHANG Jia-jia)
- 102 A Preliminary Study on Construction of Dynamic Performance of Real Landscape—Take Impression Liu Sanjie an Example (YIN Shu-rong)
- 106 Analysis of Long-Life Asphalt Concrete Pavement Structure Design (GAO Hai-fei)
- 109 Stress Characteristics and Structural Design Analysis of Continuous Curved Beam on Ramp Bridge (ZHANG Gan)
- 111 Design and Analysis of Bridge-type Channel Bridge with Lower-crossing Expressway (WU Zhe-na)
- 114 Planning and Design of Municipal Water Supply and Drainage (WANG Yin-chuan, CHEN Si-qi)
- 116 The Design of the Sponge City in the Green Riverside Landscape of the City (LIU Fei, LI Meng-di)
- 119 Analysis of Micro-disturbance Grouting Repair Technology and Effect on the Deformation Influence of Adjacent Metro Tunnel of Engineering Construction (CHEN Kai-hua, FANG Tao, CAI Da-wei, WANG Zheng-hu)
- 121 Traffic Safety Factor Analysis in Highway Design (GUO Sha-sha)
- 124 Drainage Design of Road Roadbed Pavement (YIN Jie-liang)
- 127 Study on the Protection and Regeneration Design Model of Public Landscape in the Historical and Cultural Blocks of Nanjing Changjiang Road (SU Jing, JIANG Lin)
- 130 Causes Analysis and Preventive Measures of Bridge Bump (LI Peng)
- 133 Municipal Transformation Analysis of Highway Cross Section Design (XU Li-li)

Intelligence and Information Technology

- 136 Discussion on Sensor Arrangement Based on Improved Modal Strain Energy Method (GAO Chang-qing, FAN Ying)
- 138 An Adaptive Load Balancing Algorithm Based on Agent (ZHANG Yu-long, LI Zhi, LIU Xiao)

Construction Technology

- 142 Application of BIM Technology in Prefabricated Building Construction (WU Wei-gang, LV Wei)
- 145 Green Construction Technology of Donghe Bridge (LAI Guo-jie)
- 148 Application of Integral Drawing Type Internal Model Device in Construction of Composite Box Girder (WANG Yi-yu)
- 150 Application of PDCA Model on the Pile Construction Progress in Fujian LNG 5# Storage Tank (XU - Jie)
- 153 Water Construction Technology Used in Building Engineering Construction Management Analysis (LI Chun-hui)
- 155 Study on Quality Control of Bored Pile in Highway Bridge Construction (WANG Feng)
- 158 Numerical Analysis on Mechanical Behavior of GFRP Tubed Reinforced Concrete Column under Eccentric Loading (WANG Quan-xiong, YANG Long-gang, CHENG Zhi-rong)
- 162 Material Selection and Quality Control in Civil Engineering Construction (XIE Zi-jian)
- 164 Construction Methods and Technical Points of A Wharf (WANG Xia)
- 166 The Application of Large-span Continuous Bridge Construction Technology in Bridge Construction (SUN Xiu-hong)
- 169 The Technical Measures of the Heat Pipes Through the Ground Fissures (ZHANG Shun-yu)
- 171 The Application of the Green Construction Technology in the Bridge Engineering Research (ZHAO Ying)
- 174 Research on Basic Construction Technology of Deep Foundation Pit of Transmission Line Engineering (LIU Qiang, WANG Ting, WANG Chun-lin)
- 177 Research on Application of Fabricated Construction Technology in Urban Distribution Network (ZHANG Fa-cheng)

Project Management

- 180 The Common Technical Problems and Countermeasures in the Bridge Construction (LI Xin-peng)
- 182 Application of Waterproof Facilities for Highway Bridge Tunnel Construction (LI Gang, YANG Fei-xue)
- 185 To Explore the Safety Management of Hydraulic and Hydropower Projects (HU Hong-yan)
- 187 Design and Application of the Synchronous Injection Slurry for Shield Tunnel (WU Chao)
- 190 Research on Automatic Welding Technology of Sheet Metal (YANG Chen, HUANG Jian-gen, SHOU Yan-bo, JIANG Yu-peng, WANG Zhi-jie, XU Rui)
- 192 Problems and Countermeasures of Thermal Power Station Construction Project Management (ZHANG Guang-jie)
- 194 Study on the Applicability of BIM in Construction Project Cost Management (HE Fu-xia)
- 197 Problems and Countermeasures of Water Conservancy Project Construction Management (YU Kun)
- 199 Research on Construction Cost Management of Geological Exploration Project (WU Li-gang, CAI Ke-long, WANG Jin-guo)
- 202 Current Situation Problems and Control Measures of the Construction Engineering Project Management (WANG Chuan-bing)
- 204 A Physical Workload Evaluation Method Based on eM-Engineer (XU Zhen, ZHANG Yu-jing)
- 207 Analysis of Highway Construction Data Management (GUO Lin-rui)
- 209 EPC General Contracting and Generation System Risk Prevention Measures (YANG Tie-min)
- 212 Discussion on the Optimal Evaluation Method for Construction Project of Tobacco Industry (WU Hai-qing)
- 216 An shun Investment Building Project Construction Project EPC General Contract Project Progress Management (WANG Shun-ke)
- 220 The Important Role of Engineering Budget in Construction Project Cost Management (TANG Wen-jie)
- 222 Application Research of Construction Management Based on BIM Technology (LIANG Shu-gang)
- 225 Construction of Flexible Diaphragm Wall with Impact Drilling Groove, Quality Control Difficulties and Inspection (LI Yun-hong)
- 228 On the Optimization Strategy of the Construction Site Management of Construction Project (SONG Guo-fei)
- 231 To Explore the Innovation Management of the Construction Management Process of the Road Bridge (DONG Zhao-hui)
- 233 Exploring the Optimized Route of Power Infrastructure Project Management in County Power Supply Enterprises (AN Yu-xin)
- 235 To Discuss the Innovative Development of Highway Engineering Management (LI Teng-teng)

INFORMATION

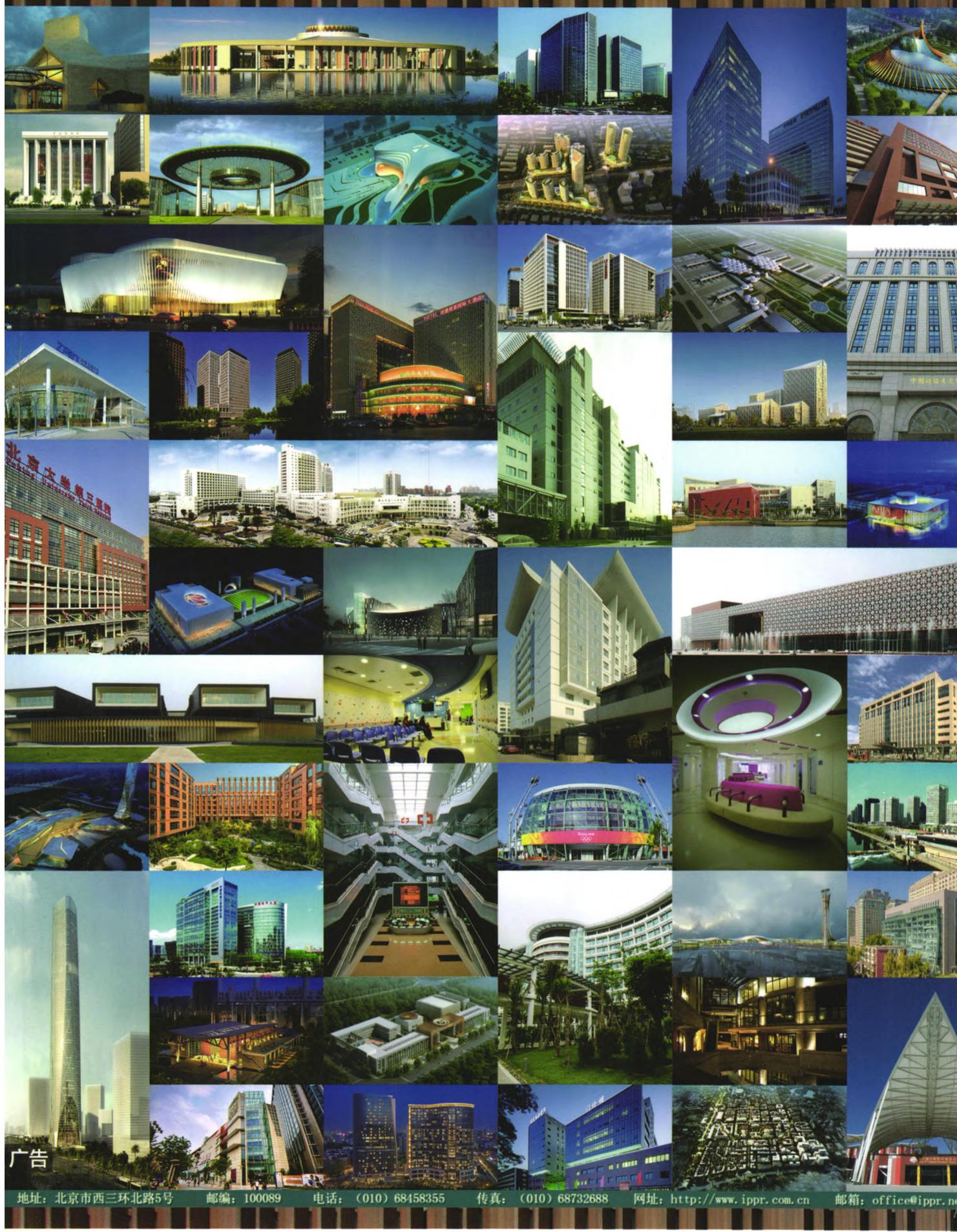
- 05 "10 NEW TECHNOLOGIES OF CONSTRUCTION INDUSTRY (2017 Edition) Formally Enacted" Etc. 10**

SPECIAL FOCUS

- 08 The Leaders of China and Laos Attended the Foundation Laying Ceremony of Mahoso General Hospital Project in Laos**

FORUM

- 10 Analysis of Quaternary Activity Characteristics of Yi Fault**



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