

5 卷首

走出象牙塔

6 动态资讯**8 特别关注**

创新是一个民族进步的灵魂,是一个国家、一个行业兴旺发达的不竭动力!

创新在路上

14 专访

四大板块给力十二五

18 对话

颠覆字符的“基因”排序

20 建筑霓虹

创造提高生活质量的空间

24 天强视点

节能减排趋势VS影响

26 律师说法

特大事故背后,谁在玩忽职守?

32 世界之旅

城市桥梁建设-加拿大

38 设计之友

孤单的造梦师



封面图片: 何梅 摄影作品

建筑与结构设计

- 41 上海某货运站钢结构设计实例简述(李璁,温庆东)
 44 弯矩作用下铸钢空心球节点承载力的有限元分析(张向荣,祖青)
 46 校园更新与历史保护的和谐共生(刘玉惠)
 50 体内预应力钢屋架结构的设计思路(祖青,张向荣)
 52 王府井277项目商业空间设计(郝力)
 56 既有砖混结构抗震加固技术分析(王国民)
 60 钢框架梁柱刚接节点浅析(王祺)
 64 考虑柱间相互作用的无侧移柱计算长度系数求解(吴博哲,蔡伟明,翁来峰)
 68 谈建筑地下车库的设计(姜浩静,张纪峰,王渭南)
 70 营造多彩的空间——谈工业建筑的色彩与环境设计(程莉)
 72 装载机部分结构断裂原因及改进措施(司丽丽,李斌,陈传海)
 74 1000MW机组汽机平台结构选型(邵群)
 78 常州现代传媒中心演播厅结构设计(聂焱)
 81 GBF管现浇钢筋混凝土空心楼板的设计应用实例(王漾)
 84 索穹顶结构几何非线性静力计算程序实现与分析(王沙,曹磊,张靖)
 87 建筑物结构抗震设计分析(张红丽,马恒,孟高山)

公用工程设计

- 91 深圳市慢性病防治院改扩建工程暖通空调设计(郑毅)
 95 燃气红外线辐射采暖在工业厂房采暖中的应用(姚德华,蒋丽娜,曹辉)
 99 某香皂厂除尘系统问题诊断及改造方案(王雷静)
 101 电力污染之谐波抑制(张宇)
 105 关于建筑电气节能设计的探讨(翁泰黎)
 108 某生物质能热电厂上料系统转运点、炉前料斗除尘风量计算(蒋丽娜,姚德华,解丽君)
 110 电厂循环流化床锅炉混烧污泥工程设计的探讨(魏广成,常先江)
 113 建筑防火性能化设计浅析(武桂艳)
 117 实木夹层低密度纤维板的热扩散性和热阻研究(杨素霞)

基础工程设计

- 119 高低层连体建筑物地基基础设计(郑希明,李璁)
 122 地基基础防氧构造措施方法分析(韩应军,王霞)
 124 强夯法加固地基机理及设计方法(王涛)
 128 越南金瓯化肥项目桩基成果分析(甘七零)
 132 恶劣施工环境下连续刚构桥大体边跨连续段高架设计方案优化研究(何则林,张平)

市政·交通·水利工程设计

- 134 西藏农村某公路混凝土路面结构与施工研究(边巴旦增)
 137 西藏山区某公路避险车道设计研究(西绕多吉)
 140 RTK在公路大桥变形监测的应用分析(朱福)
 143 ANSYS计算扶壁式桥台方法研究(郭先耀)
 147 常规电法勘探在变电站找水中的作用(马明涛)
 149 谈水利工程质量问题及其对策(王明甫,周辉)
 152 山地城镇城市出入口体系评价模式探讨(俞冰,黄勇,段炼)
 156 基于保护理念的城市建设开发新观念(衡艳阳,冯书丽)

工程施工技术

- 160 基于生态建设的设计施工互动协作管理模式研究与应用(范洁群)
 164 大跨度预应力混凝土桥梁施工监测监控技术的探讨(赵会强)
 166 地铁施工浇注大体积混凝土结构裂缝防治措施(曹振,贺农农)
 168 浅谈大体积砼裂缝产生原因与施工控制措施(吕爱忠,王占辉)

工程项目管理

- 171 谈以设计为主体的工程项目总承包现场质量管理(张志秋)
 174 项目管理在工程建设中的作用及影响因素的探讨(宋君涛)
 177 对工程招投标形成的合同文件解释顺序的探讨(王将军)
 181 浅议新营业税的实施对建筑业的影响(王宇)
 184 论箱式变电站建设工程各阶段监理工作(王亚梅)
 69 勘误
 94 投稿须知

5 FOREWORD

Out of the Ivory Tower

6 INFORMATION**8 SPECIAL FOCUS**

Innovation on the road

14 INTERVIEW

Four Blocks to the Power of the 12th Five-year-plan

18 DIALOGUE

Subversive Character the "Gene" Sequencing

20 BUILDING NEON

Create Space to Improve the Quality of Life

24 TIAN QIANG VIEW

Trends vs Impacts of Energy Saving

26 LAWYERS ARGUMENT

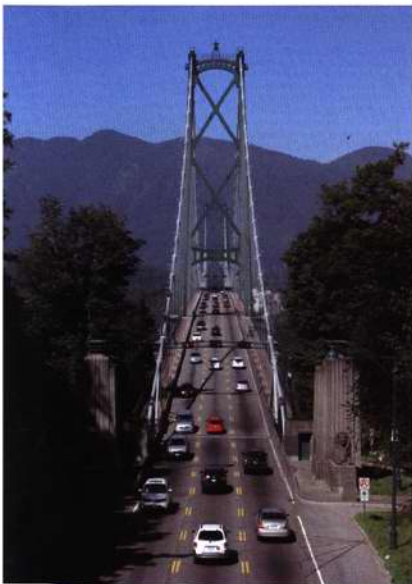
Behind the Serious Accidents, Who Neglect Their Duties?

32 WORLD VOYAGE

Bridge in City-Canada

38 FRIENDS OF DESIGN

Lonely Dreamer



万方数据

ARCHITECTURAL AND STRUCTURAL DESIGN

- 41** Steel Structure Design of a Freight Station(LI Jing, WEN Qing-dong)
44 Nonlinear FEM Analysis of Bearing Capacity of Cast Steel Hollow Spherical Joint under Moment (ZHANG Xiang-rong, ZU Qing)
46 Harmonious Symbiosis of Campus Renewal and Historical Protection(LIU Yu-hui)
50 Design of Internal-prestressed Steel Roof Truss(ZU Qing,ZHANG Xiang-rong)
52 Wang fu jing 277 Project Commercial Space Design (HAO LI)
56 Analysis of Strengthening Technical of Existing Brick Masonry Structure(WANG Guo-min)
60 Brief Understanding of Beam to Column Rigid Connection of Steel Frame(WANG Zhen)
64 Considering Without the Interaction between the Lateral Length of Column Coefficients to Solve (WU Yi-zhe ,CAI Wei-ming, WENG Lai-feng)
68 Design of Building Underground Garage (JIANG Hao-jing,ZHANG Ji-feng,WANG Wei-nan)
70 Creating Colorful Space(CHENG Li)
72 Causation on the Fracture of a Loader's Certain Parts and Its Improvement(SI Li-li,LI Bin, CHEN Chuan-hai)
74 Structure Selection for 1000MW Units Turbine Platform (SHAO Hua)
78 Structural Design of Studio in Changzhou Modern Media Centre(NIE Yan)
81 The Design Application of Cast-in-place Hollow Reinforced Concrete Floor with GBF Pipe(WANG Yang)
84 The Realization and the Analysis of Cable Dome Structure Geometry Nonlinear Static Calculation (WANG Sha ,CAO Xi,ZHANG Jing)
87 Buildings Aseismic Design (ZHANG Hong-li,MA Heng,MENG Gao-shan)

PUBLIC ENGINEERING DESIGN

- 91** HVAC Design of Shenzhen Hospital for Chronic Diseases Rebuilding Project(XING yi)
95 Application of Gas-fired Infrared Heating System in Industrial Plants(YAO De-hua,JIANG Li-na,CAO Hui)
99 Dust Removal System Diagnosis and Rehabilitation Programs of a Soap Factory(WANG Xue-jing)
101 Harmonic Suppression of Power Pollution(ZHANG Yu)
105 Relating to Architecture Design of the Electrical Energy(WENG Hui-li)
108 Calculation of the Dedusting Air Quantity for Both Stokehold Hopper and the Transshipment Point of the Load Material System for Biomass Energy Thermal Power Plant(JIANG Li-na,YAO De-hua ,XIE Li-jun)
110 Design of Sludge and Coal Mix-Combustion Project in Circulating Fluidized Bed Boiler in Power Plants (WEI Guang-cheng, CHANG Xian-jiang)
113 Construction Fire Protection Performance Design(WU Gui-yan)
117 The Thermal Diffusion and Thermal Resistance of Fiber Plates Sandwiched by Wood(YANG Su-xia)

FOUNDATION ENGINEERING DESIGN

- 119** Subgrade Design of High-low Incorporated Building(ZHENG Xi-ming, Li Jing)
122 Analysis on Method of the Foundation Basis for Measures of Preventing Radon Construction (HAN Ying-jun,WANG Xia)
124 Heavy Tamping Method Mechanism and the Design Method(WANG Tao)
128 Analysis on Results of Piling Test on Vietnam Ca Mau Fertilizer Plant (GAN Qi-ling)
132 Optimization Design of Bad Construction Environment Continuous Rigid Frame Size Cast-in-situ Section at the SideSpans High Scheme Stent(HE Ze-lin, ZHANG Ping)

MUNICIPAL TRAFFIC WATER RESOURCES ENGINEERING DESIGN

- 134** Research on Structure and Construction of Rural Road Cement Concrete Pavements for Tibet (BIAN Ba-dan zeng)
137 Research on Rescue Lane Design on Mountain Way for Tibet(XI Rao-duoji)
140 Study of RTK Application in Highway Bridge Deformation Monitoring(ZHU Fu)
143 ANSYS Calculation Method of Buttressed Abutment(GUO Xian-yao)
147 The General Electric Prospecting of Find Water in Transformer Substation(MA Ming-tao)
149 Discussion Management of Water Quality Problems and Solution(WANG Ming-fu,ZHOU Hui)
152 Discussion on Evaluation Model of Mountain Town Entrance System (YU Bing,HUANG Yong,DUAN Lian)
156 The Urban Construction New Ideas Based on Protection Concepts to Develop (HENG Yan-yang,FENG Shu-li)

CONSTRUCTION TECHNOLOGY

- 160** The Management Mode of Research and Application Interactive in Construction which Based on Ecological Restoration(FAN Jie-qun)
164 Discussion on Construction Monitoring Measurement and Controlling Technique for Long Span Prestressed Concrete Bridge(ZHAO Hui-qiang)
166 The Methods for Preventing Architecture Cracks in Huge Volume Concrete Filling of Subway Construction (CAO Zhen,HE Nong-nong)
168 A View on Mass Concrete Crack Causes and the Construction Control Measures (LV Ai-zhong,WANG Zhan-hui)

PROJECT MANAGEMENT

- 171** On the Design as the Main in the Project Contract On-site Quality Management (ZHANG Zhi-qiu)
174 Project Management Role and Factors of Influence in Project Construction (SONG Jun-tao)
177 Discussion on Contract Documents Explanation Sequence of the Bidding Project (WANG Jiang-jun)
181 Influence of Newly Implemented Sales Tax on Architecture Industry(WANG Yu)
184 Supervision on Each Stage of Cabinet Substation Construction(WANG Ya-Mei)
69 Correction of Errors
94 Instruction of Contributor