

中国建设银行股份有限公司主管  
全国建设工程造价管理优秀期刊

中国核心期刊（遴选）数据库来源期刊  
中国学术期刊综合评价数据库来源期刊

# 工程经济

Engineering Economy

大数据在工程造价中应用存在的问题及对策

医院EPC项目设计管理组织架构构建研究

PPP模式与可持续发展

基于BIM应用需求的工程量清单和定额修订建议

供应链金融对建筑企业资金状况的影响

新时代高校工程审计面临的困境及对策探究

05

2021

Vol.31 No.5

国内统一连续出版物号：CN 11-3104/F  
国际标准连续出版物号：ISSN 1672-2442  
国内外公开发行

# 目 次

## CONTENTS

### 工程造价

#### 典型C型轻钢复合楼板技术经济性能对比分析

.....袁骥,王建军,李东彬,李焕坤(05)

#### 城市地下综合管廊建设投资及运营成本的研究

.....高韵蕊(11)

#### 大数据在工程造价中应用存在的问题及对策

.....魏向阳(15)

### 项目管理

#### 疫情期间海外工程项目防控管理分析

.....明壮,杨亚松,衣忠政,颜文,汤浩楠,徐兴(18)

#### 铁路枢纽建设铺轨基地布设方案探讨

.....施明源(21)

#### 第三方质量检测在大型水利工程建设管理中的应用探讨

.....任明武(25)

#### 新时代高校工程审计面临的困境及对策探究

.....徐春晓,刘晓虎,梁小婉(30)

#### 医院EPC项目设计管理组织架构构建研究

.....朱燕(34)

### PPP研究

#### PPP模式与可持续发展

.....李良艺,熊伟(38)

#### PPP模式下污水治理项目的风险研究

.....盛曦,姚惠芳,邱浩雯(44)

# 目 次

## CONTENTS

PPP项目合同核心条款设计分析

.....赵飞,于洋(47)

### 工程信息化

基于BIM应用需求的工程量清单和定额修订建议

.....唐道琼,崔铁万,朱斌,吴斌,余璟,何志明,龚成(50)

地铁隧道工程全寿命周期BIM应用价值分析

.....谢特赐(54)

### 金融论坛

绿色存款业务实践和发展策略

.....贾泽存(57)

供应链金融对建筑企业资金状况的影响

——基于扎根理论的研究分析

.....李奕澎,张桐赫(60)

我国上市商业银行的系统性风险评估研究

.....张羽(64)

### 行业研究

辽中南城市群基础设施投资对产业结构的影响

.....项英辉,吴俊逸(67)

京津冀城市群房地产市场高质量协同发展长效机制研究

.....林永民,史孟君,陈琳(72)

基于主成分分析的住宅产业化发展影响因素研究

.....张倩,沈舒琳(76)

# CONTENTS

## Engineering Cost

- Comparative Analysis on Technical and Economic Performance of Typical C-type Light Steel Composite Floor ..... **YUAN Ji, WANG Jianjun, LI Dongbin, LI Huankun(05)**
- Study on the Investment and Operation Cost of Urban Utility Tunnel ..... **GAO Yunrui(11)**
- Problems and Solutions to the Application of Big Data in Project Cost ..... **WEI Xiangyang(15)**

## Project Management

- Analysis of Prevention and Control Management of Overseas Construction Projects during the Epidemic ..... **MING Zhuang, YANG Yasong, YI Zhongzheng, YAN Wen, TANG Haonan, XU Xing(18)**
- Discussion on the Layout Scheme of Track-laying Base for Railway Hub Construction ..... **SHI Mingyuan(21)**
- Application of Third Party Quality Inspection in Construction Management of Large Water Conservancy Projects ..... **REN Mingwu(25)**
- Difficulties and Countermeasures of Engineering Audit in Colleges and Universities in the New Era ..... **XU Chunxiao, LIU Xiaohu, LIANG Xiaowan(30)**
- Research on Constructing Organization Structure of Design Management for Hospital EPC Project ..... **ZHU Yan(34)**

## PPP Research

- Public-Private Partnerships and Sustainable Development ..... **LI Liangyi, XIONG Wei(38)**
- Research on Risks of PPP Mode in Sewage Treatment Project ..... **SHENG Xi, YAO Huifang, QIU Haowen(44)**
- Analysis on the Design of Core Terms of PPP Project Contract ..... **ZHAO Fei, YU Yang(47)**

## Construction Information

- Revision Suggestions on the Bill of Quantities and Quota Based on the Demands for BIM Application ..... **TANG Daoqiong, CUI Tiewan, ZHU Bin, WU Bin, YU Jing, HE Zhiming, GONG Cheng(50)**
- Analysis of the Application Value of BIM in the Lifecycle of Metro Tunnel Project ..... **XIE Teci(54)**

## Finance Forum

- Green Deposit Business Practice and Development Strategy ..... **JIA Zecun(57)**
- Influence of Supply Chain Finance on the Capital Status of Construction Enterprises ..... **LI Yipeng, ZHANG Tonghe(60)**
- Research on the Systematic Risk Assessment of China's Listed Commercial Banks ..... **ZHANG Yu(64)**

## Industry Research

- Influence of Infrastructure Investment on the Industrial Structure of Urban Agglomeration in Central and Southern Liaoning ..... **JIANG Yinghui, WU Junyi(67)**
- Research on Long-term Mechanism of High-quality Coordinated Development of Real Estate Market in Beijing-Tianjin-Hebei Urban Group ..... **LIN Yongmin, SHI Mengjun, CHEN Lin(72)**
- Research on the Affecting Factors of Housing Industrialization Development Based on Principal Component Analysis ..... **ZHANG Qian, SHEN Shulin(76)**