

价值工程

2018年3月上旬刊 (总第483期 / 第37卷)

1982年创刊

2018年3月8日出版

中国商界文联会刊

中国技术经济研究会价值工程专业委员会会刊
中国高等教育学会价值工程分会会刊

封面刊名题字：袁宝华

主管单位：

河北省科学技术协会

主办单位：

河北省技术经济管理现代化研究会

名誉总编：郜明信

总 编：高志彪

总 编 室：师瑞

电 话：0311-87024742

编 辑 部：马慧霞

刘英禄

电 话：0311-83020178

0311-83036626

传 真：0311-87024742

投稿信箱：vezzsbj@163.com

网 址：www.vezzs.com

责任编辑：高生明

封面设计：王金军

版面设计：韩宇红

国内统一连续出版物号：CN 13-1085/N

国际标准连续出版物号：ISSN 1006-4311

国内邮发代号：18-2

国内订阅：全国各地邮局

国内发行：河北省报刊发行局

国外发行：中国国际图书贸易总公司

印 刷：廊坊市长岭印刷厂

编辑出版单位：价值工程杂志社

社 址：石家庄市槐安西路88号卓达

物业楼A501室

邮 编：050091

国内定价：30.00元人民币

海外定价：30.00美元

目录

* 价值管理 *

- 试论经济“新常态”下如何有效加强高校创业教育 孙成行(1)
我国碳金融市场发展存在的问题及解决对策 谭旭红等(4)
新型城镇化背景下的内丘县美丽县城建设 赵少飞等(7)
铁路工程施工企业成本影响因素和控制措施 何喜湘(9)
职业资格证书体系改革背景下港航管理专业建设研究 欧卫新(11)
关于建立工程设计审计制度的几点思考 张帅等(13)
对高校学生助理团队建设与管理机制的探索 桂肖等(15)
城市大气污染的成因及治理对策 王睿(17)
鄂州市生态文明建设评价指标体系研究 赵欣(19)
论建筑质量监管在工程项目的重要性 许慧辉(21)
EPC总承包项目设计全过程管理与实施要点 谭贺天(23)
衡水市生态城市建设的SWOT分析 潘建玲等(25)
基于灰色关联分析的高校阳光体育运动实施效果评价及实例研究
..... 王立等(27)

- 城市综合体共享停车需求预测方法 骆豪等(30)
基于生态视角下“河长制”长效机制研究 唐迎春等(34)
浅析标准化管理对施工企业的影响 丁锋(37)
中山市沉香产业发展的SWOT分析 沈华杰等(39)
基于模糊综合评价的小微企业跨境电商平台选择研究 费小燕(42)
城镇化建设与经济增长的实证分析 邵明吉等(46)
提高河套灌区黄河水资源节水与用水效率的途径 兰进芳等(49)
公路经济管理的要点及可持续发展的措施分析 崔雪艳(51)
重点建设项目全过程跟踪审计应注意掌握的几个问题
..... 蔡靖骅等(53)

- 浅析新形势下企业管理创新策略 张宗明(55)

- 辽宁高端装备制造业集群网络协同创新理论框架研究 康宇航(57)
中小民营企业薪酬制度与员工激励问题研究 荣奎桢(59)
路桥施工管理过程的创新管理研究 亓秀菊(61)
从绩效考核角度谈企业薪酬激励机制的设计方法 李毅(63)
设备远程故障诊断与协同维护管理系统研究 曾嫖(65)
浅谈公路工程试验检测的重要性与完善途径 王猛(70)
FMEA在液氯储罐安全风险分析中的应用 陈全等(72)
农网供电系统的电压无功管理措施探讨 陶瑾瑜(76)
基于超效率DEA方法的高校会计人员绩效评价研究 王瑞峰(78)
工程测量过程中精度的影响因素及控制 王新朝等(81)
基于熵权灰色关联模型的PPP项目风险评价 刘兴旺等(83)
一线城市产城融合测度研究 李国刚等(86)
河北省新型农业经营主体发展状况分析 张翠玲等(88)

* 价值链·供应链 *

- 园区循环经济物质流分析述评 赵周慧等(90)

* 功能载体创新 *

- 隧道工程湿喷混凝土回弹量降低试验及要点分析 涂海燕(92)
剪力墙抗剪、抗震及施工技术研究 李冰宽(94)
混凝土结构中AAC内墙板安装连接构造节点优化加固技术
..... 刘广浩(97)
某职工住宅楼深基坑防护及监测技术 王竹青(99)

球形弹丸超高速斜撞击弹坑特性数值模拟	姚杨勇 等(102)	应用型本科院校化工设备类课程模块化建设	王战辉 等(184)
框架桥下穿铁路顶进施工时线路加固设计及施工技术	银汉卿(106)	隧道工程穿煤层安全技术研究	孙岩(185)
防导梁机后滚轮支腿压裂桥墩的安全施工方法	张铁议(109)	计算机实验室管理和维护问卷调查与评析	张哲 等(187)
桥梁抗震设计与减隔震设计的比较	王璐(111)	钼酸盐纳米材料的制备及应用研究进展	魏鑫杰 等(189)
浅谈长大山岭隧道施工控制测量	文平(115)	基于胜任能力的研究生辅导员队伍建设研究	
某国产汽车车内噪声特性分析	张晓娟 等(120)	周秀丽 等(191)	
小间距隧道施工技术	龙东宏(123)	水文地质因素对地质灾害的影响	霍光杰 等(193)
盲沟排水系统在降低坡地地下室抗浮水位的应用研究	卯颖 等(125)	1215 易切削钢中硫化物夹杂行为研究	马艳杰 等(195)
小净距隧道施工控制要点	沈天佑(128)	几何双分式布朗运动下欧式期权的定价	徐峰(197)
节能型太阳能空气源热泵多功能机研究	王天舒(131)	信息化技术在隧道施工管理中的应用	景岗山(199)
风力发电机组钢筋混凝土型式塔筒应用研究	黄加佳(133)	基于层次分析法的模糊综合评价在军事硕士培养质量评价	
非接触式三维扫描仪的设计	齐建家 等(135)	体系中的应用	马晨光 等(201)
手指残疾人助残鼠标设计	吴泽昊 等(136)	工程管理专业“校企合作”人才培养模式研究	
怀安站特大桥(60+100+60)m 墩顶转体连续梁营业线施工		郝亚琳 等(204)	
安全防护技术研究	景向阳(138)	基于压缩感知的光谱成像技术研究	姚凯凯 等(207)
面向ACG的动漫平台APP分析与设计	杨铭 等(141)	变革应用型大学实验,推进学生双创发展	程君妮(209)
真空联合堆载预压法加固软基的应用及施工工艺	吴敏(143)	浅论自动化机械设备设计研发与机械制造	
钢筋及复合筋材料基本力学性能及锚固性能参数分析	孙嘉雯 等(145)	蔡祖强 等(212)	
4880m 特长隧道水楔破岩复合爆破施工技术研究及应用	刘志超 等(147)	浅谈国内煤矿主要通风机的现状及发展趋势	
郑燃集团液化石油气储罐勘察及HGP桩地基处理检测分析	张根山(150)	商栓虎(214)	
* 价值应用 *			
基于抽样调查的大学生就业质量评价体系建设研究	王骏飞 等(152)	大学生在校满意度的影响因素研究	刘芳(216)
基于浸入边界法和编程的圆柱绕流的数值模拟	牛朝(155)	市政供热管道穿越河流敷设方案分析	王振兴(219)
以学术沙龙为平台浅谈研究生素质能力的培养	张帆 等(157)	“互联网+”视域下高职辅导员推进创新创业教育工作方法	
TED 资源在以能力为本位的ESP医学外语学习中的应用	刘瑛 等(159)	探索	郝风平(221)
山地光伏支架新材料的应用与推广	罗大鑫(161)	应用于土壤中挥发性有机物检测的便携式气相色谱分析	
无人机低空遥感技术发展及行业应用概述	陈砚国(164)	技术的研究	张栩 等(223)
基于AHP模型的民办高校人才培养质量评价体系研究	张旺 等(166)	苏南国家自主创新示范区建设视角下的高职高专汽车专业	
酒店管理专业学生实习中存在的问题及建议	汤静(169)	人才培养模式研究	张立驰 等(226)
新时期排球训练创新性的研究	肖建波(172)	应用型本科院校经管专业校企深度合作机制构建研究	
基于计划行为理论的大学生交通安全行为影响因素研究	沈思婕 等(174)	高航 等(228)	
基于机械类专业学生创新能力培养的校企合作浅议	刘晓明 等(176)	浅谈交通监控系统关键技术	魏如秋(231)
高层建筑防排烟设计中常见问题分析及对策	朱爱兰(178)	浅谈项目驱动法在数字电路课程中的应用	张晓波(233)
研究分体液压升降爬架在建筑施工中的应用	曹建飞(180)	基础地质工程与地质勘察的应用解析	杨伟(235)
穆利亚希湿法冶炼厂搅浸工艺铜回收率计算探讨	王洪娟 等(182)	提高施工现场临时用电工程的安全质量	马军(238)
* 理论综述 *			
国内外小芯样法研究综述	许红叶 等(240)		
浅析基于多模态理论下我国大学英语阅读学习策略研究	隋莹莹(242)		
* 综合 *			
试论当前社区教育存在的问题及社区教育的有效需求			
在新税制条件下《税务筹划》课程研究	聂楠 等(244)		
应用技术型高校工商管理类专业实践创新模式改革研究	张何 等(246)		
关于应用型大学人力资源管理专业提升实践能力的思考	万玺(248)		
基于蓝墨云班课的混合式学习探究	王宏 等(252)		
基于BIM入课的信息化设计	姜利妍 等(254)		
电气自动化专业工学一体化人才培养模式探析	秦巍(256)		
现代生产管理课程项目化改革探索与实践	赵艳妮 等(258)		

Value Engineering
(VE)
Fortnightly Issue
Started in 1982
Vol.37 3.a
(Sum No.483)
Published in Mar. 8, 2018

Inscribed: Yuan Baohua
Honorary Editor-in-Chief: Gao Mingxin
Executive Editor-in-chief: Gao Zhibiao
Manager: Hebei Association for Science and Technology
Sponser: Hebei Institute of Technology Economy and Modern Management

Chief Edior's Department: Shi Rui
Editor: Editorial Team of VE
Publisher: Magazine Publishing House of VE
Address: Room A501, Zhuoda Property House, No.88 Huai'an Road
Tel: (0311) 87024742
E-mail: vezzsbjh@163.com

Printed by: Changling Printing House, Langfang
Distributor: Shijiazhuang Post Office
Subscriptions: Chinese Local Post Office
Domestic Issue Code: 18-2
Domestic Single Price: ¥30.00
Overseas Single Price: \$ 30.00
Open Publishing
ISSN 1006-4311
CN 13-1085/N

CONTENTS

VALUE MANAGEMENT

- 1 Ways to Strengthen Entrepreneurship Education in Colleges and Universities under the "New Normal" of Economy SUN Cheng-xing
 4 Problems and Solutions in the Development of Carbon Finance Market in China TAN Xu-hong, et al.
 7 The Construction of Beautiful County Town in Neiqiu County under the Background of New Urbanization ZHAO Shao-fei, et al.
 9 Influencing Factors and Control Measures of the Cost of Railway Construction Enterprises HE Xi-xiang
 11 Research on the Construction of Port and Shipping Major under the Background of Professional Qualification Certificate System Reform OU Wei-xin
 13 Considerations on Establishing Engineering Design Auditing System ZHANG Shuai, et al.
 15 Exploration on the Construction and Management Mechanism of Student Assistant Team in Colleges and Universities GUI Xiao, et al.
 17 Causes and Countermeasures of Urban Air Pollution WANG Rui
 19 Study on Evaluation Index System of Ecological Civilization Construction in Ezhou City ZHAO Xin
 21 On the Importance of Construction Quality Supervision in Engineering Project XU Hui-hui
 23 Main Points of the Whole Process Management and Implementation of EPC General Contracting Project Design TAN He-tian
 25 SWOT Analysis of Eco-city Construction in Hengshui City PAN Jian-ling, et al.
 27 Evaluation and Case Study of Sunshine Sports Implementation Effect in Colleges and Universities Based on Gray Correlation Analysis WANG Li, et al.
 30 Analysis of Forecasting Method for Sharing Parking Demand in Urban Complex Building LUO Hao, et al.
 34 Study on the Long-term Mechanism of "River Governor System" Based on Ecological Perspective TANG Ying-chun, et al.
 37 Influence of Standard Management on Construction Enterprises DING Feng
 39 SWOT Analysis of the Development of Agar Industry in Zhongshan City SHEN Hua-jie, et al.
 42 The Research Based on Fuzzy Comprehensive Evaluation about How Do Micro Enterprises Choose the Cross-border E-commerce Platform FEI Xiao-yan
 46 An Empirical Analysis of Urbanization and Economic Growth SHAO Ming-ji, et al.
 49 Ways of Improving Water Saving and Water Use Efficiency of Yellow River in Hetao Irrigation District LAN Jin-fang, et al.
 51 Essentials of Highway Economic Management and Measures of Sustainable Development CUI Xue-yan
 53 Several Key Issues in the Whole Process Follow-up Audit of Key Construction Projects CAI Jing-hua, et al.
 55 Analysis of Innovation Strategy of Enterprise Management in the New Situation ZHANG Zong-ming
 57 Study on the Theoretical Framework of Collaborative Innovation in Liaoning High-end Equipment Manufacturing Cluster Network KANG Yu-hang
 59 Research on Salary System and Staff Motivation in Small and Medium-Sized Private Enterprises RONG Kui-zhen
 61 Research on Innovation Management of Road and Bridge Construction Management Process QI Xiu-ju
 63 Discussion on the Design Method of Enterprise Compensation Incentive Mechanism from the Perspective of Performance Evaluation LI Yi
 65 Research on Remote Fault Diagnosis and Collaborative Maintenance Management System of Equipment ZENG Lei

70	On the Importance of Highway Engineering Testing and Ways for Improvement	WANG Meng
72	The Application of FMEA in Liquid Chlorine Tank Security Risk Analysis	CHEN Quan, <i>et al.</i>
76	Discussion on Voltage Reactive Power Management in Rural Power Network	TAO Jin-yu
78	University Accounting Staff Performance Evaluation Based on Super Efficiency DEA Method	WANG Rui-feng
81	Influencing Factors and Control of Precision in Engineering Measurement Process	WANG Xin-chao, <i>et al.</i>
83	Risk Evaluation of PPP Based on Entropy Weight and Grey Correlation Model	LIU Xing-wang, <i>et al.</i>
86	The Deepness on Industry-City Integration of the First-Tier City	LI Guo-gang, <i>et al.</i>
88	Analysis of Development Situation of New Type Agricultural Operators in Hebei Province	ZHANG Cui-ling, <i>et al.</i>

VALUE CHAIN·SUPPLY CHAIN

90	A Review of the Material Flow Analysis of Circular Economy in Parks	ZHAO Zhou-hui, <i>et al.</i>
----	---------------------------------------------------------------------	------------------------------

FUNCTION CARRIER INNOVATION

92	Experimental Study and Key Analysis on Rebound Reduction of Wet Shotcrete in Tunnel Engineering	TU Hai-yan
94	Research on Shear, Seismic and Construction Technology of Shear Wall	LI Bing-kuan
97	AAC Interior Wall Panel Installation Connection Node Optimization and Reinforcement Technology in Concrete Structures LIU Guang-hao
99	Protection and Monitoring Technology for Deep Foundation Pit of a Worker Residence Building	WANG Zhu-qing
102	Numerical Simulation of Hypervelocity Oblique Impact on Crater of Spherical Projectile	YAO Yang-yong, <i>et al.</i>
106	Design and Construction Technology of Line Reinforcement during Jacking Construction of Frame Bridge under Railway YIN Han-qing
109	Safety Construction Method for Preventing the Rear Roller Leg of the Guide Beam Machine from Fracturing Pier ZHANG Tie-yi
111	Comparison between Seismic Design and Seismic Isolation Design of Bridge	WANG Lu
115	Discussion on Construction Control Survey of Long Mountain Tunnel	WEN Ping
120	Analysis of Interior Noise Characteristics of a China-made Car	ZHANG Xiao-juan, <i>et al.</i>
123	Construction Technology of Small Spacing Tunnel	LONG Dong-hong
125	Application of Blind Ditch Drainage System in Reducing Anti-floating Water Level in the Basement of Slope Land MAO Ying, <i>et al.</i>
128	Control Points of Tunnels with Small Spacing	SHEN Tian-you
131	Study on Energy-saving Solar Air-source Heat Pump Multifunctional Machine	WANG Tian-shu
133	Study on the Application of Reinforced Concrete Tower for Wind Turbines	HUANG Jia-jia
135	Design of Non-contact 3D Scanner	QI Jian-jia, <i>et al.</i>
136	Finger Disabled Assisted Mouse Design	WU Ze-hao, <i>et al.</i>
138	Study on Construction Safety and Protection Technology of Huai'an Station Bridge (60+100+60) m Continuous Beam Pier Top Swivel Crossing Operating Line JING Xiang-yang
141	Analysis and Design of Cartoon Platform APP for ACC	YANG Ming, <i>et al.</i>
143	Application and Construction Technology of Vacuum-load Preloading Method in Foundation Reinforcement	WU Min
145	Analysis of Basic Mechanical Properties and Anchoring Performance Parameters of Reinforcing Bar and Composite SUN Jia-wen, <i>et al.</i>
147	Research and Application on Construction Technology of Rock Breaking Water Wedge Composite Blasting in 4880m Extra-long Tunnel LIU Zhi-chao, <i>et al.</i>
150	Investigation of LPG Storage Tank of Zhengzhou Gas and Analysis of HGP Pile Foundation Treatment ZHANG Gen-shan

VALUE APPLICATION

152	Research on the Evaluation System of College Students' Employment Based on Sampling Survey	WANG Jun-fei, <i>et al.</i>
155	The Numerical Simulation of Circular Flow Based on Immersed Boundary Method and Programming	NIU Chao
157	On the Cultivation of Graduate Students' Quality and Ability on the Platform of Academic Salon	ZHANG Fan, <i>et al.</i>
159	Application of TED in ESP Foreign Language Learning of CBE Talents Cultivating	LIU Ying, <i>et al.</i>
161	Application and Promotion of New Materials for the Mountain Photovoltaic Stents	LUO Da-xin
164	Development of UAV Low-altitude Remote Sensing Technology and Its Application in Industry	CHEN Yan-guo
166	Research on Talent Training Quality Evaluation System for Private Colleges Based on AHP Model	ZHANG Wang, <i>et al.</i>
169	The Problems and Suggestions in the Practice of Hotel Management Majors	TANG Jing
172	Research on the Innovation of Volleyball Training in New Period	XIAO Jian-bo

174 An Empirical Study of Influencing Factors on Safety Behavior of Students Based on the Theory of Planned Behavior	SHEN Si-jie, <i>et al.</i>
176 The School–Enterprise Cooperation Based on the Cultivation of Innovation Ability of Mechanical Engineering Students	LIU Xiao-ming, <i>et al.</i>
178 Analysis of Common Problems in Smoke Exhaust and Control Design of High-rise Buildings and the Countermeasures	ZHU Ai-lan
180 Study on Application of Split Hydraulic Lifting Frame in Building Construction	CAO Jian-fei
182 Calculation of Total Recovery Rate of Copper in Agitation Leach Process for Muliashi Leach Plant	WANG Hong-juan, <i>et al.</i>
184 Modular Construction of Chemical Equipment Courses in Application-oriented Universities	WANG Zhan-hui, <i>et al.</i>
185 Study on Safety Technology through Coalseam of Tunnel Engineering	SUN Yan
187 Questionnaire Survey and Analysis of Computer Laboratory Management and Maintenance	ZHANG Zhe, <i>et al.</i>
189 Preparation and Application of Molybdate Nanomaterials	WEI Xin-jie, <i>et al.</i>
191 Research on the Construction of Graduate Tutor Team Based on Competence	ZHOU Xiu-li, <i>et al.</i>
193 The Impact of Hydrogeology on Geological Disasters	HUO Guang-jie, <i>et al.</i>
195 Study on Sulfide Behavior of 1215 Free-Cutting Steel	MA Yan-jie, <i>et al.</i>
197 Pricing European Option in a Geometric Bi-fractional Brownian Motion	XU Feng
199 Application of Informatization Technology in Tunnel Construction Management	JING Gang-shan
201 The Application of Fuzzy Comprehensive Evaluation Based on Analytic Hierarchy Process in Military Master Cultivation Quality Evaluation	MA Chen-guang, <i>et al.</i>
204 Study on Talents Cultivation Model of "School–Enterprise Cooperation" in Engineering Management Specialty	HAO Ya-lin, <i>et al.</i>
207 Research on Spectral Imaging Technology Based on Compressive Sensing	YAO Kai-kai, <i>et al.</i>
209 Changing Applied University Experiment and Promoting the Innovation and Entrepreneurship Development of Students	CHENG Jun-ni
212 Discussion on the Design, Development and Manufacture of Automatic Machinery Equipment	CAI Zu-qiang, <i>et al.</i>
214 Talking about the Present Situation and Development Trend of the Main Ventilators in Coal Mines in China	SHANG Shuan-hu
216 Study on the Influence Elements of Student Satisfaction	LIU Fang
219 Analysis of Municipal Heating Pipeline Laying Scheme through Rivers	WANG Zhen-xing
221 On Higher Vocational Counselors' Work Methods of Innovation and Entrepreneurship Education in the Context of "Internet+"	HAO Feng-ping
223 The Research of Portable Gas Chromatographic Analysis Technique for Detection of Volatile Organic Compounds in Soil	ZHANG Xu, <i>et al.</i>
226 Study on Training Mode of Automotive Talents in Higher Vocational Colleges from the Perspective of Construction of Sunan National Independent Innovation Demonstration Zone	ZHANG Li-chi, <i>et al.</i>
228 Research on the Construction of Deep Cooperation Mechanism of Economic and Management Majors in School–Enterprise Cooperation	GAO Hang, <i>et al.</i>
231 On the Key Technology of Traffic Monitoring System	WEI Ru-qiu
233 Application of Project Driven Method in Digital Circuit Course	ZHANG Xiao-bo
235 Application Analysis of Basic Geological Engineering and Geological Survey	YANG Wei
238 To Improve the Safety Quality of Temporary Power Projects at the Construction Site	MA Jun

THEORETICAL REVIEW

240 Research Overview of Small Core Sample Methods at Home and Abroad	XU Hong-ye, <i>et al.</i>
242 Analysis of College English Reading Learning Strategy Study Based on Multimodal Theory	SUI Ying-ying

COMPREHENSION

244 On the Existing Problems and Effective Demand of Community Education	NIE Nan, <i>et al.</i>
246 Study on "Tax Planning" Course under the New Tax System	ZHANG He, <i>et al.</i>
248 Research on Practice and Innovation Model Reform of Business Administration Major in the Application Technical Colleges	WAN Xi
250 Reflections on Improving the Practical Ability of Human Resource Management Specialty in Applied University	PAN Tai-ping
252 Research on Blending Learning Based on Lanmo Cloud Class	WANG Hong, <i>et al.</i>
254 Informatization Design of the Course Based on BIM	JIANG Li-yan, <i>et al.</i>
256 Research on the Talent Training Mode Based on Integration of Working and Learning in Electrical Automation Specialty	QIN Wei
258 Exploration and Practice of Project Reform in Modern Production Management Course	ZHAO Yan-ni, <i>et al.</i>