

价值工程

2017年9月上旬刊(总第465期/第36卷)
1982年创刊 2017年9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
中国高等教育学会价值工程分会

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

投稿邮箱:vezzsbjb@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 *

- PPP模式下我国无居民海岛开发的风险评价 王玥等(1)
- 浅谈我国开征环境保护税征收管理方面的问题及建议 于剑等(6)
- 基于人力资源价值的志愿服务价值计量方法 关叶青等(8)
- 水利工程施工阶段造价管理与控制 周瑶(12)
- 题库管理和组卷管理系统 涂玲英等(14)
- 铁路重载运输线路列车开行方案优化研究 樊笑棋(18)
- 浅析张掖市甘州区滨河水源一级保护区生物隔离带建设项目
..... 吴兴胜(20)
- 改善中国监理存在的问题 李冬雪(23)
- 江苏银丰信息技术有限公司绩效考核研究 王艳莉等(25)
- 改革开放背景下人口迁移影响研究 万臻媛等(27)
- 工程前期管理中以人为本的体现 欧敏(30)
- 公路工程施工阶段的合同管理探究 薛丽(32)
- VE在建设项目设计阶段工程造价控制中的应用 张静(34)
- 水电工程造价咨询与管理 王永刚(35)
- 自贸区助力辽宁经济振兴环境下大学生就业新形势探究 赵堃(38)
- 锅炉压力容器检验中的危险点与预防策略研究 马骏等(40)
- 基于地方政府视角下的“委托-代理模型”被动房推广激励机制研究
..... 黄理达(42)
- 江苏小微企业融资问题研究 杨佳婷(43)
- 山西省A县人民医院综合改革现状分析 高睿雯等(45)
- 需求受服务水平影响的卖方消费信贷协调机制研究 王迪(47)
- 宝鸡市总量减排成效及存在问题对策 吕建亮等(52)
- 城市轨道交通车辆运用与检修安全管理体系的构建与实践
..... 孙波等(54)
- 浅析如何做好施工人员的安全培训教育 余同山(56)
- 基于商圈理论的济南路劲东城写字楼定位研究 李清等(58)
- 光伏发电接入背景下的电源电网协调规划研讨 段小鹏(61)
- 依托自贸区建设培养跨境电商方向人才策略研究 胡艳(63)
- 论工程造价与成本核算 顾卉(65)
- 新兴技术企业信用风险的成因与特征 周一懋等(67)
- 大数据时代城建档案信息化建设的思考 张晓英(70)
- BIM技术在连续梁建桥施工管理中的应用 胡万里(72)
- 轨道交通发展对公路客运带来的冲击与应对策略 吴定义(75)
- 京津冀一体化战略中的工程建设机会分析 史一鸣等(79)
- 当前我国广播电视文化产业管理存在的问题与对策研究
..... 吴徐巧芸(81)
- 两化融合助力华北制药集团转型升级 张诗雨(83)
- 军工企业管理创新工具方法推进研究 冯志营(85)
- 浅谈对飞机维修单位安全质量体系管控模式的新认知 曹艳阁(87)
- 基于大数据下的精准扶贫管理机制与对策 何声娴等(89)
- 基于犹豫模糊 TOPSIS 的产品设计方案评估 赖雨晴等(91)

* 价值链·供应链 *

- 长江港口物流增值业务现状与对策研究 朱丽萍等(93)
- 绿色纺织供应链及其绿色环节研究 朱丹丹等(96)
- 进口烟支输送系统 RTS 的改进 徐志(99)

* 功能载体创新 *

- 新时期公路养护技术发展现状与对策探讨 董鹏刚(101)
- 基于磁记忆技术对快开门式容器啮齿的疲劳失效研究
..... 王兵(103)
- 钱币清点与分类系统的设计 叶青霞等(106)
- 一种橡胶密封条回弹性试验方法 匡凤川(107)
- 基于 NFC 的网约车诚信系统的设计与实现
..... 林基艳等(109)
- 机械信息自动送餐系统研究 李杰辉等(111)
- 太子河空心高墩翻模施工工艺 高非(114)
- 两河口水电站地下厂房洞室群施工围岩稳定与开挖支护研究
..... 杨笑天等(117)
- 防水堵漏技术在地铁施工当中的应用研究 马洪超(119)
- 软基处理中预应力管桩施工技术常见问题处理
..... 陈照亮(121)
- 寝室上下铺空中储物折叠桌的设计构想与现实意义
..... 张依萌等(123)
- 云南省宾川县拉乌乡拉乌滑坡地质稳定性分析
..... 董博等(124)
- 基于 STM32 的智能盲人拐杖设计 吴金涛(126)
- 高纯氧化铝粉体制备技术 饶兵等(128)
- 砂石生产系统工序同期化水平测算模型研究
..... 张斌等(131)

* 价值应用 *

- 贵州山区输电线路防雷技术研究 吴仕军等(133)
- 少数民族地区高校图书馆数字资源用户满意度调查分析
..... 李芳(136)
- 中医护理对骨质疏松症患者的影响 郭小兰等(140)
- 中医腰诊服务平台的设计与开发实践研究 刘志民等(142)
- 云南勐兴铅锌矿区水质分析数理统计探讨 李奇(144)
- 功能翻译理论视角下棣花古镇公示语英译问题及对策探讨
..... 杨娇等(148)
- 小型自动化生产线中 S7-1200PLC 的以太网通信技术
..... 吴繁红(150)
- 问题式课堂设计可行性的案例分析 李明等(152)
- 高职院校学生管理信息化平台建设探究 武文廷(153)
- 昆明理工大学津桥学院经济管理类专业模块化初探
..... 冯敏等(155)
- 冻融作用下混凝土氯离子扩散模型的研究
..... 徐伟刚等(157)
- 价值工程方法在油田开发方案优化中的应用 姜彬等(159)
- 三维激光扫描技术在建筑物重建中的应用探讨
..... 林美娜等(162)
- 高校数字化档案馆浅谈 张永吉(164)
- 高职高专 FPGA 技术人才培养的探索与实践
..... 刘春玲等(166)
- 基于“卓越教师”培养的高职教师发展中心建设研究与实践
..... 袁红萍等(168)
- 基于虚拟主机部署多个网站的三种方法 陈景亮等(171)
- 产教融合引领机械类专业应用型转型培养模式改革与实践
..... 张彦富等(174)
- 基于虚拟仪表的发动机运行状态检测系统的研究
..... 戴烦等(176)

- 基于超高频 RFID 系统性能的改善 张入政(178)
- 甘肃天水秦州区猪波沟金矿地质特征及找矿标志
..... 房蓉等(182)
- 高职机电一体化专业“以做带学”创新探索 王胜等(187)
- 基于 IVHF-TODIM 的高岭土增白工艺综合评价
..... 赵洋等(189)
- 国内外“名义无水矿物”研究现状 范爱玲(191)
- 医学院校校园招聘会的困境与定位 齐晓翠等(193)
- 协同创新领域高被引作者的社会网络分析
..... 葛姗姗(195)
- 防火墙与入侵检测系统联动防护体系研究
..... 牛凯廷等(198)
- “四岗递进”化工总控能力培养模式创新与实践
..... 孙琪娟等(201)
- 网络环境下公共图书馆信息资源共享共建研究
..... 孙宗伟(203)
- 基于 QFD 的航空装备维修保障系统需求分析方法
..... 唐元恒等(205)
- 计算机软件技术在大数据时代的应用 熊晓波(207)
- 大学校园废旧手机回收物流模式优化研究
..... 李学斌等(209)
- 电气自动化控制设备的可靠性探讨 郑火胜(211)
- 大学生网贷的调查报告及策略 刘昕(213)
- 简单线性轮廓过程能力分析研究方法研究综述 曹瑜等(215)
- BIM 技术普及与应用情况对策研究 赵金先等(217)
- 浅谈自然辩证法在水利水电工程建设上的应用
..... 周爱芬(219)
- 住宅及景观设计绿色建筑节能技术的应用 李一玮(222)
- 大型旋挖机钢护筒钻进成孔技术应用 陈长月(224)
- 大学生体能下降原因及干预策略研究 巩俊贤(226)
- 运用流程再造理论提升计算机类专业实践质量的探索
..... 黄小丽(228)

* 工业工程 *

- 系统布置设计法在门诊部布局优化设计的应用研究
..... 王鑫等(230)

* 理论综述 *

- 基于自然辩证法的数据挖掘技术概述 张钰等(233)
- 对陕北非物质文化保护现状调查与研究 张啊宁(236)
- 基于系统动力学模型的知识质量关键影响因素分析
..... 王秀红等(238)
- 作为照顾者的农村老年人养老照顾问题探究 金勇(243)
- 西双版纳傣族木构民居构造做法特征探究
..... 王文淞等(247)
- 林业经济人才研究述评 李中斌等(250)

* 综合 *

- 工程教育专业认证环境下本科生应具备的素质与技术
..... 张荣沂等(252)
- 普通高校全英班制度初探 韩佩君等(254)
- 对充分发挥高校工会的桥梁纽带作用的思考 颜云飞(256)
- 基于素质教育对青年教师实践技能培养的探索
..... 韩志民等(258)

Value Engineering
(VE)
 Fortnightly Issue
 Started in 1982
 Vol.36 9.a
 (Sum No.465)
 Published in Sep. 8, 2017

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

Chief Editor'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:
 vezzsbjb@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 Risk Assessment of China's Non-resident Islands Exploitation on PPP Model	WANG Yue, <i>et al.</i>
6 On the Problems and Suggestions of Levying Environmental Protection Tax Collection and Management in China	YU Jian, <i>et al.</i>
8 The Measurement Method of Volunteer Service Value Based on Human Resource Value	GUAN Ye-qing, <i>et al.</i>
12 Cost Management and Control in Construction Stage of Water Conservancy Project	ZHOU Yao
14 Question Bank Management and Test Paper Generating Management System	TU Ling-ying, <i>et al.</i>
18 Study on Optimization of Train Operation Plan for Heavy Haul Railway Lines	FAN Xiao-qi
20 Analysis on the Construction of Biological Isolation Zone in the Primary Protected Area of Binhe Water Source Area in Ganzhou District of Zhangye City	WU Xing-sheng
23 Problems of China's Supervision and Improvement Measures	LI Dong-xue
25 Research on Performance Evaluation of Jiangsu Yinfeng Information Technology Co., Ltd.	WANG Yan-li, <i>et al.</i>
27 A Study on the Impact of Population Migration in the Background of Reform and Opening-up	WAN Li-yuan, <i>et al.</i>
30 People-oriented Embodiment in Project Early Stage Management	OU Min
32 Research on Contract Management in Construction Stage of Highway Engineering	XUE Li
34 Application of VE in Cost Control in the Design Stage of Construction Project	ZHANG Jing
35 Hydropower Project Cost Consultation and Management	WANG Yong-gang
38 A Study on the New Situation of College Students Employment in the Context of FTA Promoting Economic Revitalization in Liaoning Province	ZHAO Kun
40 Study on the Dangerous Points and Preventive Tactics in the Test of Boiler and Pressure Vessel	MA Jun, <i>et al.</i>
42 Research on Incentive Mechanism of Passive House Promotion Based on "Principal-Agent Model" from the Perspective of Local Government	HUANG Li-da
43 A Study on the Financing Problem of Small and Micro Enterprises in Jiangsu Province	YANG Jia-ting
45 Analysis on the Current Situation of Comprehensive Reform of the People's Hospital in A County, Shanxi Province	GAO Rui-wen, <i>et al.</i>
47 Coordination Mechanism of Seller's Consumption Credit with Service Level Affecting Credit Consumption Demand	WANG Di
52 Effect of Total Emission Reduction in Baoji City and the Problems and Countermeasures	LV Jian-liang, <i>et al.</i>
54 Construction and Practice of Safety Management System for Urban Rail Transit Vehicles Operation and Maintenance	SUN Bo, <i>et al.</i>
56 How to Do Well Safety Training Education for Construction Personnel	YU Tong-shan
58 Study on Office Building Project of Road King East City in Ji'nan Based on Trade Area Theory	LI Qing, <i>et al.</i>
61 Discussion on Power Grid Coordination Planning under the Background of Photovoltaic Power Generation Access	DUAN Xiao-peng

63 Research on the Strategy of Cultivating Cross-border E-commerce Talents Relying on Free Trade Zone Construction	HU Yan
65 Discussion on Project Cost and Cost Accounting	GU Hui
67 Causes and Characteristics of Credit Risk of Emerging Technology Enterprises	ZHOU Yi-mao, <i>et al.</i>
70 Reflections on the Informatization Construction of Urban Construction Archives in Big Data Era	ZHANG Xiao-ying
72 Application of BIM Technology in Continuous Beam Modeling Construction Management	HU Wan-li
75 Research on the Impact of Rail Transit on Highway Passenger Transport and the Countermeasures	WU Ding-yi
79 Analysis of Engineering Construction Opportunities in Beijing-Tianjin-Hebei Integration Strategy	SHI Yi-ming, <i>et al.</i>
81 Research on the Problems and Countermeasures of Radio and TV Cultural Industry Management in China	WUXU Qiao-yun
83 Informatization and Industrialization Integration: to Promote Transformation and Upgrading of North China Pharmaceutical Group	ZHANG Shi-yu
85 Study on Promotion of Innovation Management Tools and Methods in Defense Industry Enterprise	FENG Zhi-ying
87 The New Cognition of the Aircraft Maintenance Unit Safety Quality System Management Mode	CAO Yan-ge
89 Precise Poverty Alleviation Management Mechanism and Countermeasure Based on Big Data	HE Sheng-xian, <i>et al.</i>
91 Evaluation of Product Design Program Based on Hesitant Fuzzy TOPSIS	LAI Yu-qing, <i>et al.</i>

VALUE CHAIN·SUPPLY CHAIN

93 Study on Current Situation and Countermeasures of Yangtze River Port Logistics Value-added Service	ZHU Li-ping, <i>et al.</i>
96 Research on Green Textile Supply Chain and Its Green Links	ZHU Dan-dan, <i>et al.</i>
99 Improvement of Imported Rod Transfer System	XU Zhi

FUNCTION CARRIER INNOVATION

101 Discussion on the Current Situation and Countermeasures of the Highway Maintenance Technology Development in New Period	DONG Peng-gang
103 Research on Fatigue Failure of Meshing Teeth of Fast Open Pressure Vessel Based on Magnetic Memory Testing	WANG Bing
106 Design of Coin Inventory and Classification System	YE Qing-xia, <i>et al.</i>
107 One Way to Test the Compression Rebounding Performance of Rubber Sealing Tape	KUANG Feng-chuan
109 Design and Implementation of Network Contract Car Integrity System Based on NFC	LIN Ji-yan, <i>et al.</i>
111 Study on the Mechanical Information of Automatic Delivery System	LI Jie-hui, <i>et al.</i>
114 Construction Technology of Hollow High Pier Turnover Formwork of Taizi River	GAO Fei
117 Study on Surrounding Rock Stability and Excavation and Support of Lianghekou Hydropower Station Underground Caverns during Construction	YANG Xiao-tian, <i>et al.</i>
119 Study on Application of Waterproof and Plugging Technology in Subway Construction	MA Hong-chao
121 Common Problems Treatment of the Construction Technology of Prestressed Pipe Pile in Soft Foundation	CHEN Zhao-liang
123 Design of Desk for Folding into Lockers Used in Dormitory and Its Practical Significance	ZHANG Yi-meng, <i>et al.</i>
124 Analysis of Geological Stability for Lawu Township Landslide in Binchuan County, Yunnan Province	DONG Bo, <i>et al.</i>
126 Design of Intelligent Blind Crutch Based on STM32	WU Jin-tao
128 Progress of Preparation Technology of High Purity α -Al ₂ O ₃ Powder	RAO Bing, <i>et al.</i>
131 Study on Process Synchronization Level Measurement Model in the Sand Production System	ZHANG Bin, <i>et al.</i>

VALUE APPLICATION

133 Research on Lightning Protection Technology of Transmission Line in Guizhou Mountain Area	WU Shi-jun, <i>et al.</i>
136 Investigation and Analysis of Readers Satisfaction in Minority Areas Universities Library	LI Fang
140 Effect of TCM Nursing on Patients with Osteoporosis	GUO Xiao-lan, <i>et al.</i>
142 Research on the Design and Development of Chinese Medical Waist Diagnosis Service Platform	LIU Zhi-min, <i>et al.</i>
144 Discussion on the Mathematical Statistics of Water Quality Analysis of Yunnan Mengxing Lead Zinc Mine	LI Qi
148 On C-E Translation of Tourist Signs from the Perspective of Functionalism: Problems and Possible Solutions: A Case Study of Tourist Signs in Dihua Tourist Attraction	YANG Jiao, <i>et al.</i>
150 The Ethernet Communication Technology of S7-1200PLC in a Small Automatic Production Line	WU Fan-hong
152 A Case Analysis of the Feasibility of the Question Class Design	LI Ming, <i>et al.</i>
153 Research on the Construction of Student Management Information Platform in Higher Vocational Colleges	WU Wen-ting
155 The Modular Model in Management Majors of Oxbridge College, Kunming University of Science and Technology	FENG Min, <i>et al.</i>

157	Study on Chloride Diffusion Model of Concrete under Freezing and Thawing	XU Wei-gang, <i>et al.</i>
159	The Application of Value Engineering in Optimization of Oil Field Development Plan	JIANG Bin, <i>et al.</i>
162	Discussion on Application of 3D Laser Scanning Technology in Building Reconstruction	LIN Mei-na, <i>et al.</i>
164	Discussion on Digital Archives in Universities	ZHANG Yong-ji
166	Exploration and Practice of FPGA Technical Personnel Training in Higher Vocational Colleges	LIU Chun-ling, <i>et al.</i>
168	Research and Practice of Teacher Development Center Based on Excellent Teacher Training in Higher Vocational College	YUAN Hong-ping, <i>et al.</i>
171	Three Ways for Deploying Multiple Sites Based on Virtual Host	CHEN Jing-liang, <i>et al.</i>
174	Reform and Practice of the Training Mode of Application-oriented Transformation of Mechanical Specialty Leading by Production and Education Integration	ZHANG Yan-fu, <i>et al.</i>
176	The Research of the Detection System on Engine Running Based on Virtual Instrument	DAI Song, <i>et al.</i>
178	Performance Improvement Based on UHF RFID System	ZHANG Ren-zheng
182	Geological Characteristics and Prospecting Signs of Zhubogou Gold Mine in Qinzhou District, Tianshui City, Gansu Province	FANG Rong, <i>et al.</i>
187	On the Innovation of "Learning by Doing" in Mechatronics Specialty in Higher Vocational Education	WANG Sheng, <i>et al.</i>
189	Evaluation Model of Kaolin Whitening Process Based on Improved IVHF-TODIM Method	ZHAO Yang, <i>et al.</i>
191	The Research about "Nominally Anhydrous Minerals" at Home and Abroad	FAN Ai-ling
193	The Dilemma and Orientation of Campus Job Fair in Medical Colleges and Universities	QI Xiao-cui, <i>et al.</i>
195	Social Network Analysis of Highly Cited Authors in Collaborative Innovation	GE Shan-shan
198	Research on Prevention System of Firewall and IDS Linkage	NIU Kai-ting, <i>et al.</i>
201	The Innovation and Practice of the "Four Post Progressive" Training Mode of the Chemical General Control Ability	SUN Qi-juan, <i>et al.</i>
203	Research on Sharing and Co-construction of Public Library Information Resource in Network Environment	SUN Zong-wei
205	Analysis Method for Requirements of Aircrafts Repairing and Maintenance System Based on QFD	TANG Yuan-heng, <i>et al.</i>
207	The Application of Computer Software Technology in the Era of Big Data	XIONG Xiao-bo
209	Research on the Optimization of Waste Mobile Phone Recycling Logistics Mode in University Campus	LI Xue-bin, <i>et al.</i>
211	Discussion on Reliability of Electrical Automation Control Equipment	ZHENG Huo-sheng
213	Investigation Report and Strategy of College Student P2P Network Loan	LIU Xin
215	A Review on Simple Linear Process Capability Analysis	CAO Yu, <i>et al.</i>
217	Research on the Popularization and Application of BIM Technology	ZHAO Jin-xian, <i>et al.</i>
219	On the Application of Nature Dialectics in the Construction of Water Conservancy and Hydropower Projects	ZHOU Ai-fen
222	Application of Green Building Energy-saving Technology in Residential and Landscape Design	LI Yi-wei
224	Application of Large-scale Rotary Drilling Machine Steel Tube Drilling Holing Technology	CHEN Chang-yue
226	A Study on the Causes of College Students' Physical Decline and the Intervention Strategies	GONG Jun-xian
228	To Improve Computer Professional Practice Quality by Using the BPR	HUANG Xiao-li

IE

230	Research of Ambulant Clinic Layout Planning Optimization with the Application of Systematic Layout Planning	WANG Xin, <i>et al.</i>
-----	---	-------------------------

THEORETICAL REVIEW

233	Summary of the Data Mining Technology Based on Natural Dialectics	ZHANG Yu, <i>et al.</i>
236	Investigation and Research on the Protection of Non-material Culture of Northern Shaanxi	ZHANG A-ning
238	Research on Key Influence Factors of Knowledge Quality Based on System Dynamic Model	WANG Xiu-hong, <i>et al.</i>
243	A Research on the Problem of Care for the Aged as Caregivers in Rural Areas	JIN Yong
247	A Study on the Characteristics of the Structure of the Dai Wooden Houses in the Xishuangbanna	WANG Wen-song, <i>et al.</i>
250	Overview of Research on Talents of Forestry Economy	LI Zhong-bin, <i>et al.</i>

COMPREHENSION

252	Necessary Quality and Skills of Students in the Concept of the Engineering Education Accreditation	ZHANG Rong-yi, <i>et al.</i>
254	Studies on the System of English Class in Colleges and Universities	HAN Pei-jun, <i>et al.</i>
256	Reflections on Playing the Role as Bridge and Ties of Trade Unions in Colleges and Universities	YAN Cai-fei
258	Exploration on the Cultivation of Practical Skills of Youth Teachers Based on the Quality Education	HAN Zhi-min, <i>et al.</i>