

工业设计

INDUSTRIAL DESIGN

综合性专业设计杂志

www.gysjzk.com

中国工业设计协会
理事单位
2018年10月
总第147期
邮发代号:14-339
定价:26元

丰收的利器

Powerful Harvesters

中国美术学院设计艺术学院工业设计系

Industrial Design, School of Design, China Academy of Art

2018中国·毕业设计巡礼——工业设计篇

A Look into 2018 Graduation Projects in China (Industrial Design Section)



基于消费者购买行为的产品设计思考
Thoughts on Product Design Based on Consumer Purchasing Behavior

基于高校文创产品的设计与研究
Research on the Application of University Culture in the Design of Creative Products

论日用陶瓷产品设计中的情感交互
On the Emotional Interaction in the Design of Ceramics Products for Daily Use

工业设计

INDUSTRIAL DESIGN

ISSN 1672-7053



万方数据

目录

专题报道

- 008 面向未来的设计学——国际设计期刊主编论坛
009 走向大众的美——中国设计期刊文献展
010 2018 年度黑龙江省工业设计协会常务理事会议，暨《工业视角下的设计创新》学术活动质量提升计划项目第三次推进会议召开

中国高校毕业季

- 011 2018 美术学院毕业季工业设计作品——中国美术学院设计艺术学院工业设计系

设计前沿

- 021 瓦尔塔 A4 拖拉机 / 瓦尔塔智能触控
022 漂移农场——未来的粮食供应新思路
023 智能气象监测站 / 植保无人机
024 罗霸猛虎 6 型甜菜收获机
025 传感器技术降低橡胶履带磨损
026 喷灌器迈普 III 型 / 青贮收获机

设计与理论

- 027 基于消费者购买行为的产品设计思考
029 基于高校文创产品的设计与研究
031 浅谈木桶理论对产品设计开发的启示
033 论日用陶瓷产品设计中的情感交互
035 城市 SUV 方向盘的感性设计研究
038 官帽椅对新中式家具设计的影响
040 老年健康管理移动医疗产品设计研究
042 高感性时代的品牌战略及产品设计初探
044 整合式多功能婴儿车创新设计
046 花木兰角色下的梳妆台设计研究
048 基于实用性和艺术性二元视角的饮食器具材质混搭设计——以陶瓷、竹木为例
050 石榴纹家具装饰工艺的视觉艺术性研究
052 集约化理念在婴幼儿学步车设计中的应用
054 基于可持续设计思想的婴儿推车设计
056 秀洲农民画衍生品设计的开发研究
058 福州地域性文化与动漫创作策略研究
060 高校主题文创产品开发的实践与探讨——以常州工程职业技术学院为例
062 从方法论角度诠释阴阳理论在汽车设计中的应用
064 面向中国人生活形态的房车设计探析
066 闽台漆器纹饰在现代礼服中的设计实践
068 宋代磁州窑审美特征在当代茶具设计中的应用研究
071 论美与设计之关系
073 打造福建地方特色产业品牌——以工业旅游发展为例
075 浅析新时期黑龙江省文化产业竞争力的发展方向
077 浅谈中国工业设计的知识产权保护
079 UI 设计中的无意识设计原则探析
081 再设计理念在文化性导航系统开发中的应用
- 孙兵 孟晖 申珊
李维立 王婧 刘松洋
李敏嫦
庞野营 周丽娟 杨玉婷
金葵葵
张思聪
牛慧珍 沈桓宇
田蕴文 静
康辉 张天懿
王川川 罗小燕 赵熊瑛
朱家仪
崔璨 李鹏 龚乐乐
李婷婷 刘馨森
王新燕 余佳蓉
肖鑫明 徐娟芬 蒋园园
周知
段笔耕 金心亦
孙明阳
王明非 姚叶
陈达
蔡博文 刘文海
王涛
杜艺
田野 朱娜 庄艺婉
聂亚东 刘心悦
吴茹枫
孙诗章

1 FIRST



- | | | |
|-----|--------------------------------|-------------|
| 083 | 商业美术视域下的月份牌设计衰败问题研究 | 罗 渊 万 萱 |
| 085 | 重庆梁平区机场路慢行系统功能设计的探析 | 马 健 唐晓娴 |
| 088 | 城市品牌形象的标识设计研究 | 鲁嘉颖 傅 炯 |
| 090 | 高校信息管理系统的界面设计要素分析 | 刘 伟 |
| 093 | 渝东南传统色彩在现代包装设计中的应用研究 | 杨亚坤 |
| 095 | 中国传统绘画元素在现代平面广告设计中的应用探讨 | 龙锦营 |
| 097 | 绍兴红色传统与革命精神的视觉化呈现 | 项迪燕 |
| 099 | 农村工业遗址开发模式研究 | 李朝晖 张斯园 |
| 101 | 文旅创新背景下宜昌 809 工业遗产再生设计研究 | 朱虹旭 刘 迪 李 杰 |
| 104 | 面向生态文明发展的广西少数民族传统村落保护构想 | 韦宇航 |
| 106 | 尊重自然, 向传统学习——霞浦大坪村村落更新与保护 | 黄博洵 |
| 108 | 探究室内陈设设计中色彩的应用——以新中式风格为例 | 赵 莹 |
| 110 | 基于 ArcGIS iOS API 的规划考察系统设计与实现 | 陈 踊 |
| 113 | 中国当代设计教育观念的转变与“设计力”培养 | 翟东伟 |
| 115 | 浅析室内设计对传统文化的继承与发扬 | 李 爽 |

教育与创新

- | | | |
|-----|--|-----------------|
| 117 | 面向环境设计专业的计算机辅助设计教学探索 | 汪浩文 李 伟 周 玲 |
| 119 | 《产品开发设计》课程的教学创新研究 | 颜 开 |
| 121 | 构成课教学的创新研究与改革 | 江 瑜 |
| 123 | 思想政治教育在专业教学中的改革实践
——以《产品改良设计》专业课程教学为例 | 夏敏燕 |
| 125 | 艺术设计专业毕业设计模式探析 | 万 莹 |
| 127 | 培养独立学院应用型大学生“工匠精神”的路径研究 | 徐永扬 屠 强 朱俊海 张海英 |
| 129 | 以设计实践为主导的《人机工程学》课程教学改革与实践 | 李宗民 蔡小霞 |
| 131 | 基于影视动画符号化的角色形象传播探究 | 张 博 |
| 133 | 地域文化在美术教学中的应用研究——以赣南宋城文化为例 | 欧俊锋 |
| 135 | 基于课程集群思想表现技法教学模式初探 | 赵卫辉 姚艳龙 欧细凡 |
| 137 | 独立学院艺术专业创新创业教育课程体系建设研究 | 常 峰 |

2 SECOND

前沿与动态

- | | | |
|-----|--------------------------------|-------------|
| 139 | 工业 4.0 视域下中国传统家具设计理念对现代家具设计的启示 | 刘玉贤 嵇立琴 |
| 141 | “虚实互动”在装置艺术产品设计中的应用探析 | 刘晓宏 潘雪琦 |
| 143 | 城市智能化公交站台设计 | 吴慧兰 |
| 145 | 基于多角度分析的电动旅行箱优化设计 | 庄 严 刘 洋 |
| 147 | 面向人体睡眠质量提升的挂立式睡眠灯设计研究 | 潘程晨 金宝坪 万 璐 |
| 149 | 旅游景区平面广告的多元化体验设计研究 | 王佳慧 |
| 151 | 浅谈家居环境的智能化设计 | 王 涵 |
| 153 | 面向老年人的智能电视交互系统设计研究 | 雷尚仲 |

技术与实践

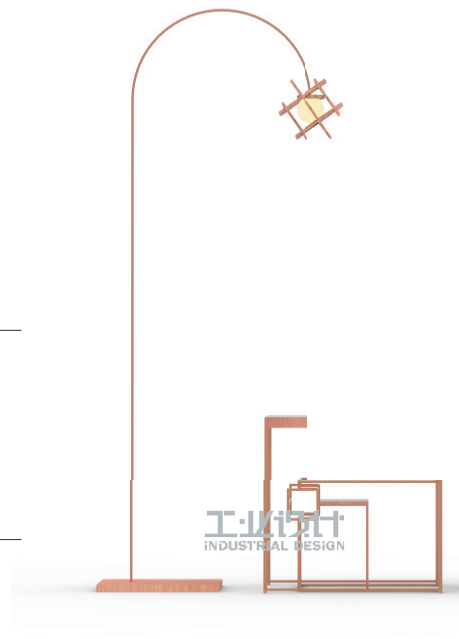
- | | | |
|-----|--------------------------|---------|
| 155 | 基于 SUV 的应急监测车布局设计研究 | 郭文雅 |
| 157 | 基于表面增强拉曼散射技术的果蔬农残快速检测仪设计 | 林冠州 陆培民 |
| 159 | 微流控细胞分选仪的人机尺寸设计 | 储 灿 |

封二

罗霸猛虎 6 型甜菜收获机

封三

《工业设计》杂志征稿 征订启事



CONTENTS

3 THIRD

SPECIAL REPORT

- 008 Design Study, Facing Future—Forum of International Design Journals Editors
 - 009 Aesthetic Education, Facing the Public—Exhibition of 20th Century Design Magazine in China
 - 010 2018 Standing Council of Heilongjiang Association of Industrial Design and the Third Conference on Facilitating the Project of Improving the Quality of Academic Activities Open
-

GRADUATION SEASON IN CHINA'S UNIVERSITIES

- 011 2018 Industrial Design Graduation Project — Industrial Design, School of Design, China Academy of Art
-

FEATURES PROJECT

- 021 The Tractor Valtra A4 / Valtra SmartTouch
 - 022 Floating Farm - A New Approach for Future Food Supply
 - 023 Smart Weather Station / Series Plant Protection Drone
 - 024 Ropa Eurotiger VI Beet Reaper
 - 025 Sensor Technology Reduces Wear of Rubber Tracks
 - 026 Sprayer MAP III / Forage Harvester
-

DESIGN AND THEORY

- 027 Thoughts on Product Design Based on Consumer Purchasing Behavior
 - 029 Research on the Application of University Culture in the Design of Creative Products
 - 031 The Inspiration of Barrel Theory to Product Development and Design
 - 033 On the Emotional Interaction in the Design of Ceramics Products for Daily Use
 - 035 Research on Perceptual Design of Urban SUV Steering Wheel
 - 038 The Influence of Official Hat Chair on the Design of New Chinese Furniture
 - 040 Research on the Design of Mobile Health Products for Elderly Health Management
 - 042 A Probe into Brand Strategy and Product Design in the Period of High Sensibility
 - 044 Innovative Product Design for Integrated Multifunctional Baby Carrier
 - 046 Study on the Design of Dressing Table from the Perspective of Hua-Mulan
 - 048 Design of Food Equipment Material Mixing Based on the Perspective of Practicality and Artistry—Taking Ceramics and Bamboo as Examples
 - 050 Research on the Visual Artistry of the Decorative Process of Pomegranate Sculpture Furniture
 - 052 Application of Intensive Concept in Design of Baby Walker
 - 054 Baby Stroller Design Based on Sustainable Design
 - 056 Xiuzhou Agricultural Painting Derivatives Design and Development Research
 - 058 Fuzhou Regional Culture and Animation Creation Strategy
 - 060 Practice and Discussion on the Development of Theme Creative Products in Colleges and Universities—Take Changzhou Vocational Institute of Engineering as an Example
 - 062 The Application of Yin-Yang Theory in Automobile Design from the Perspective of Methodology
 - 064 Face the Recreational Vehicle Design to Adapt Chinese Lifestyle
 - 066 Design and Implementation of Lacquer Ware Decoration in Fujian and Taiwan in Modern Dress
 - 068 Study on the Application of the Aesthetic Features of Cizhou Kiln of Song Dynasty in Contemporary Tea Ware Design
 - 071 On the Relationship Between Beauty and Design
 - 073 Building Fujian Local Characteristic Industry Brand—Taking the Development of Industrial Tourism as an Example
 - 075 Analysis of the Development Direction of Heilongjiang's Cultural Industry Competitiveness in the New Era
 - 077 On Intellectual Property Protection of Chinese Industrial Design
 - 079 Analysis of Unconscious Design Principles in UI Design
 - 081 Application of Re-Design Theory in the Development of Cultural Guidance System
 - 083 Research on the Decline of Calendar Design from the Perspective of Commercial Art
 - 085 Analysis on the Functional Design of the Slow-moving System of Airport Road in Liangping District of Chongqing
- Sun Bing, Meng Hui, Shen Shan
Li Weili, Wang Jing, Liu Songyang
Li Minchang
Pang Yeying, Zhou Lijuan, Yang Yuting
Jin Kuikui
Zhang Sicong
Niu Huizhen, Shen Huanyu
Tian Yun, Wen Jing
Kang Hui, Zhang Tianyi
Wang Chuanchuan, Luo Xiaoyan, Zhao Xiongying
- Zhu Jiayi
Cui Can, Li Peng, Dou Lele
Li Tingting, Liu Xinmiao
Wang Xinyan, She Jiarong
Xiao Xinming, Xu Juanfen, Jiang Yuan yuan
Zhou Zhi
- Duan Bigeng, Jin Xinyi
Sun Mingyang
Wang Mingfei, Yao Ye
Chen Da
Cai Bowen, Liu Wenhai
Wang Tao
Du Yi
Tian Ye, Zhu Na, Zhuang Yiwan
Nie Yadong, Liu Xinyue
Wu Rufeng
Sun Shizhang
Luo Yuan, Wan Xuan
Ma Jian, Tang Xiaoxian

- 088** Research on Logo Design of City Brand Image
- 090** Analysis on the Elements of Interface Design in Information Management System of Colleges and Universities
- 093** Research on the Application of Traditional Colors in Modern Packaging Design in Southeast Chongqing
- 095** Discussion on the Application of Chinese Traditional Painting Elements in Modern Graphic Design
- 097** The Visualization of Shaoxing's Red Tradition and Revolutionary Spirit
- 099** Research on the Development Model of Rural Industrial Sites
- 101** Study on the Regeneration Design of Yichang's 809 Industrial Heritage under the Background of Cultural Tourism Innovation
- 104** Protection of Traditional Villages in Ethnic Minorities in Guangxi Facing the Development of Ecological Civilization
- 106** Respect Nature, Learn from Tradition—Village of Xiapu Daping Renovation and Protection
- 108** Explore the Application of Color in Interior Soft Decoration Design—Take the New Chinese Style for Example
- 110** Design and Implementation of Planning and Investigation Information System Based on ArcGIS iOS API
- 113** The Change in the Education Concept of Contemporary Chinese Design and the Cultivation of "the Design Force"
- 115** Analysis on the Inheritance and Development of Interior Design to Traditional Culture

Lu Jiaying, Fu Jiong
Liu Wei
Yang Yakun
Long Jinying
Xiang Diyan
Li Zhaohui, Zhang Siyuan
Zhu Hongxu, Liu Di, Li Jie
Wei Yuhang
Huang Boxun
Zhao Ying
Chen Yong
Zhai Dongwei
Li Shuang

EDUCATION AND INNOVATION

- 117** Exploration of Computer-Aided Design Teaching for Environmental Design
- 119** The Research on Teaching Innovation for the Course of Product Development and Design
- 121** The Innovation Research and Reform of Composition Course Teaching
- 123** Reform and Practice of Integrating Mental Education in Professional Teaching—Taking the Teaching of "Product Improvement Design" Course as an Example
- 125** Research on Graduation Design Mode of Art Design Specialty
- 127** Research on the Path of Cultivating the "Artisan Spirit" of Applied College Students in Independent Colleges
- 129** Teaching Reform and Practice of Ergonomics Course with Design Practice as the Leading Principle
- 131** Research on the Role Image Communication of Movie Animation Symbolization
- 133** Research on the Application of Regional Culture in Art Teaching—Taking Songcheng Culture in Southern Jiangxi as an Example
- 135** Preliminary Study on Teaching Pattern of Industrial Design Performance Techniques Course Based on Course Cluster
- 137** Research on the Construction of Innovation and Entrepreneurship Education Curriculum System for Art Majors in Independent Colleges

Wang Haowen, Li Wei, Zhou Ling
Yan Kai
Jiang Yu

Xia Minyan
Wan Ying
Xu Yongyang, Tu Qiang, Zhu Junhai, Zhang Haiying
Li Zongmin, Cai Xiaoxia
Zhang bo

Ou Junfeng
Zhao Weihui, Yao Yanlong, Ou Xifan

Chang Feng

LEADING EDGE AND LATEST UPDATES

- 139** The Inspiration of Chinese Traditional Furniture Design Concept to Modern Furniture Design from the 4.0 of Industry
- 141** Application of "Virtual Reality Interaction" in Installation Art Product Design
- 143** Urban Intelligent Bus Platform Design
- 145** Optimal Design of Electric Suitcase Based on Multiple Perspectives Analysis
- 147** Study on the Design of Vertical Sleep Lamp for Improving Sleep Quality
- 149** Research on Diversified Experience & Design of Print Advertisements in Scenic Spot
- 151** Talking about the Intelligent Design of the Home Environment
- 153** Research on smart-tv interaction system design for the elderly people

Liu Yuxian, Ji Liqin
Liu Xiaohong, Pan Xueqi
Wu Huilan
Zhuang Yan, Liu Yang
Pan Chengchen, Jin Baoping, Wan Lu
Wang Jiahui
Wang Han
Lei Shangzhong

TECHNOLOGY AND PRACTICE

- 155** Research on Layout Design of Emergency Monitoring Vehicle Based on SUV
- 157** A Design of Rapid Detection Instrument for Fruits and Vegetables Residues Based on SERS (Surface-Enhanced Raman Scattering)
- 159** The Ergonomic Dimension Design of Microfluidic Cell Sorter

Guo Wenya

Lin Guanzhou, Lu Peimin
Chu Can

SECOND COVER

Ropa Eurotiger VI Beet Reaper

THIRD COVER

Notice of Soliciting Contributions and Subscription for the Journal of Industrial Design

4

FOURTH