

邮发代号:14-339
定 价:32元

www.gysjqk.com

中国工业设计协会理事单位
综合性专业设计杂志

INDUSTRIAL
DESIGN

工业设计

全国高等美术教育学会会刊

11 月刊
总第196期
Nov. 2022

GONGYESHEJI

国际标准刊号:ISSN 1672-7053
国内统一刊号:CN 23-1516/T

设计服务与社区生活

DESIGN SERVICES AND COMMUNITY LIFE

杭州市工业设计协会的成立与发展 ——周立钢会长专访

The Establishment and Development of Hangzhou
Industrial Design Association—An Interview with
Chairman Zhou Ligang

工业设计
INDUSTRIAL DESIGN

艺术与科学的“共性”与交融

The “Commonality” and Integration of Art and Science

“互联网+”时代下《产品系统设计》课程混合式教学模式的构建
Construction of the Hybrid Teaching Mode of the Course
of “Product System Design” under the Era of “Internet+”

基于服务设计理念的老年群体智能化服药辅助设备设计

Design of Intelligent Medicine Auxiliary Equipment for
the Elderly Group Based on the Service Design Concept

ISSN 1672-7053



INDUSTRIAL DESIGN NO.11

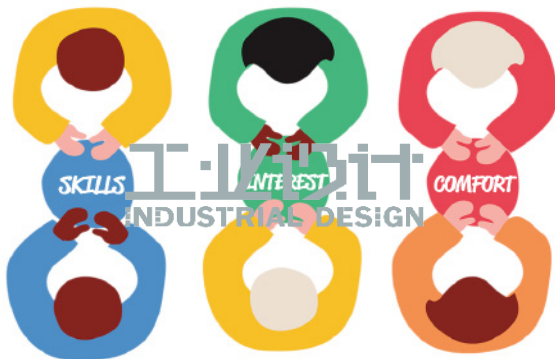
CONTENTS 目录

工业设计协会发展谈

- 007 杭州市工业设计协会的成立与发展——周立钢会长专访

主题资讯

- 009 为老年人搭建的社区服务平台
010 Hosten——专为老年人设计的健康社区
012 多功能社区中心设计
014 社区安全服务系统设计
地方振兴和社区景观改造设计——竹洞“客厅”
015 社区运动场
016 一扇通往丛林之门的竹子社区
018 社区读书计划, BookBot 移动的知识库
019 社区消毒机器人设计
020 整合社区环卫和废品回收的产品服务系统设计
社区智能垃圾回收柜设计
021 物联网自助邮箱, 让社区生活更便捷
022 保持“社交距离”的阳台设计
023 海洋社区设计
024 开发远程社区的服务系统方法



科学与艺术

- 025 艺术与科学的“共性”与交融
028 基于数字技术的城市景观可视化交互空间设计研究
031 基于认知发展理论的儿童教育机器人设计研究

任擎东
谭振 陈文露
柴巾媛 单阳

高等美术教育

- 034 “互联网+”时代下《产品系统设计》课程混合式教学模式的构建
037 “逆向+先导”理念下的《计算机辅助设计I》课程教学改革研究
040 面向寒地地域文化传承的地方高校设计人才培养路径研究
043 新工科背景下工业设计专业《产品设计程序与方法》课程教学改革
046 基于“两性一度”的《设计概论》课程教学改革探索
049 基于布鲁姆二维教学目标理论的《产品手绘表现》课程混合式教学探索
052 高校艺术设计专业美育教育体系的构建研究

房慧
王媚雪 王丽琳
张伟明
罗青雅
蒲艳 杨晓旗 熊瑛子
李静静
乔横

设计与理论

- 055 面向视障人群的无障碍桌游产品设计研究
058 文化创意产品的IP化构建与设计研究
061 基于模块化理念的二胎家庭儿童产品设计研究
064 基于KANO模型的家庭鱼菜共生种植产品设计研究
068 基于感性工学的视障者色彩识别辅助产品设计研究
071 基于感性工学的老年人电动牙刷设计研究
074 创意城市背景下的首饰创意设计实践研究
077 徽墨墨模的创新设计研究
080 大唐西市景区导视系统优化设计研究
083 采煤塌陷区湿地修复技术与景观设计研究——以徐州潘安湖国家湿地公园为例

王之翰 尤镛 方子浩
许迅
高文卓 丁珊
周祺 李晓锋 陈颖阳
刘冠宇 孙薇
张梦梦 左洪亮
赵纯子 于敏洁
胡善坤 吴日哲 毕力格巴图
杨珮 段炼濡
刘天龙 程珊珊 季翔

1

First

- 086 人口老龄化背景下的公共健身设施设计研究
- 089 箬竹家具分析与创新设计研究
- 092 面向老年人的适老化照明设计研究
- 095 女性视角下的居住空间情感化设计研究
- 098 人与宠物仓鼠的互动型家具设计研究
- 101 论视觉元素在现代展示空间设计中的应用
- 104 生态文明视域下的乡村生态景观设计研究
- 107 浅析开封古城民宿的设计研究
- 110 纪念性公共景观设计研究
- 113 竹文化衍生材料在室内设计中的应用研究
- 116 新时代背景下乡村微景观设计研究——以江苏北部地区为例
- 119 社区营造下的青年公寓交往空间设计研究
- 122 三大构成在室内设计中的应用研究
- 125 浅谈工业设计在工业零配件中的应用

- 骆 冰
- 徐世泽 袁 哲
- 刘敬东 车龙轩
- 王雅静 朱小军
- 刘琼丹
- 祁文丽
- 孙 迟 王淮森
- 赵亚新 渠 滔
- 武 让
- 聂 瑛
- 沈 洲
- 贲 雯
- 吴洪洁
- 万伏初 万典华 王 耿

前沿与动态

- 128 基于服务理念老年群体智能化服药辅助设备设计
- 131 元宇宙视域下加密艺术在展览中的应用研究
- 134 家庭健康防护产品设计研究——以家用智能消毒镜设计为例

- 张心悦 韩桂荣 王 康
- 潘冻宇 郭子瑛
- 王佳佳 杨晓燕 茹强伟

文化与传承

- 137 嘉绒藏族传统服饰纹样在现代室内纺织品设计中的应用
- 140 邳州绣花鞋纹样在文化创意产品设计中的应用研究
- 143 豫南文化元素在信阳毛尖包装设计中的应用研究
- 146 沈阳故宫建筑石雕在社区公共设施设计中的应用
- 149 洛阳牡丹文化旅游衍生品的创新设计研究

- 史海磊 李 英
- 冯 迪
- 林 德 陈昌云
- 李含瑶 王 鹤
- 丁雯菲

技术与实践

- 152 高温井下动力外骨骼功能定义及设计实践
- 155 基于丝网印刷技术的阳泉文化创意产品设计研究
- 158 基于人机工程学的手持刀具创新设计研究

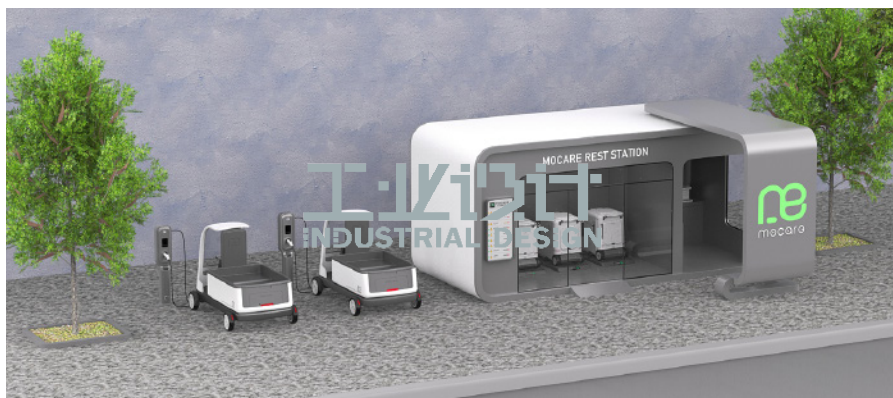
- 闵 焯
- 毕瑞芳 石华林 王 坤
- 莫红蕾 黄 洋 龙瑞康

封二

海洋社区设计

封三

《工业设计》杂志征订启事



INDUSTRIAL DESIGN NO.11

CONTENTS 目录

DISCUSSION ON DEVELOPMENT OF INDUSTRY DESIGN ASSOCIATION

- 007 The Establishment and Development of Hangzhou Industrial Design Association—An Interview with Chairman Zhou Ligang

TOPIC INFORMATION

- 009 A Community Service Platform Built for the Elderly
010 Hosten—Healthy Communities, Designed Specifically for Older People
012 Multi-function Community Center Design
014 Community Security Service System Design
Local Revitalization and Community Landscape Transformation Design—Bamboo Hole “Living Room”
015 Community Sports Field
016 A Bamboo Community Leading Up to the Jungle Gate
018 Community Reading Program, BookBot Mobile’s Knowledge Base
019 Community Disinfection Robot Design
020 Integrate the Community Sanitation and Waste Recycling Product and Service System Design
Community Intelligent Garbage Recycling Cabinet Design
021 The Internet of Things Self-service Mailbox, Make the Community Life More Convenient
022 Maintain a “Social Distancing” Balcony Design
023 Marine Community Design
024 Developing a Service System Approach for Remote Communities

3
Third

SCIENCE AND ART

- 025 The “Commonality” and Integration of Art and Science Ren Qingdong
028 Research on Design of Urban Landscape Based on Digital Technology Tan Zhen, Chen Wenlu
031 Design of Child Educational Robot Based on Cognitive Development Theory Chai Jinyuan, Shan Yang

HIGHER EDUCATION OF FINE ARTS

- 034 Construction of the Hybrid Teaching Mode of the Course of “Product System Design” under the Era of “Internet +” Fang Hui
037 Research on the Curriculum Teaching Reform of “Computer Aided Design I” under the Concept of “Reverse + Pilot” Wang Meixue, Wang Lilin
040 Research on the Training Path of Design Talents in Local Colleges and Universities for the Inheritance of Regional Culture in Cold Regions Zhang Weiming
043 Curriculum Teaching Reform of “Product Design Procedures and Methods” of Industrial Design Major Under the Background of New Engineering Luo Qingya
046 Exploration on the Teaching Reform of “Introduction to Design” Based on “Two Features and a Challenge” Pu Yan, Yang Xiaoqi, Xiong Yingzi
049 Mixed Teaching Exploration of “Product Hand-painted Performance” Based on Bloom’s Two-dimensional Teaching Objective Theory Li Jingjing
052 Research on the Construction of Aesthetic Education System of Art Design in Universities Qiao Heng

DESIGN AND THEORY

- 055 Design and Study of Barrier-free Board Game Products for Visually Impaired People Wang Zhihan, You Yong, Fang Zihao
058 Research on IP Construction and Design of Cultural Products Xu Xun
061 Research on the Product Design of Two-child Family Children Based on the Modular Concept Gao Wenzhuo, Ding Shan
064 Research on the Design of Household Aquaponics Planting Products Based on KANO Model Zhou Qi, Li Xiaofeng, Chen Yingyang

- 068 Research on the Auxiliary Product Design of Color Recognition for the Visually Impaired Based on Kansei Engineering
- 071 Research on the Design of Electric Toothbrush for the Elderly Based on Kansei Engineering
- 074 Practical Research on Jewelry Creative Design under the Background of Creative City
- 077 Research on Innovative Design of Hui Ink Mould
- 080 Study on Optimization Design of Guide System in Datang West City Scenic Spot
- 083 Research on Wetland Repair Technology and Landscape Design of Coal Collapse Area—Taking Xuzhou Pan'an Lake National Wetland Park as an Example
- 086 Design of Public Fitness Facilities in the Context of Population Aging
- 089 Analysis and Innovative Design of Qiongzhu Furniture
- 092 Design on of Suitable Lighting for the Elderly
- 095 Research on Emotional Design of Residential Space from the Perspective of Women
- 098 Interactive Furniture Design of Human and Pet Hamsters
- 101 On the Application of Visual Elements in Modern Display Space Design
- 104 Research on Rural Ecological Landscape Design under the Vision of Ecological Civilization
- 107 Brief Analysis on the Design of Homestay in Kaifeng Ancient City
- 110 Research on Memorial Public Landscape Design
- 113 Application of Bamboo Culture Derived Materials in Interior Design
- 116 Research on Rural Micro Landscape Design in the New Era—Take the Northern Part of Jiangsu Province as an Example
- 119 Research on the Design of Interaction Space of Youth Apartment Based on Community Creation
- 122 Application of Three Composition in Interior Design
- 125 Application of Industrial Design in Industrial Parts

Liu Guanyu, Sun Wei
Zhang Mengmeng, Zuo Hongliang
Zhao Chunzi, Yu Minjie
Hu Shankun, Wu Rizhe, Bilig Batu
Yang Pei, Duan Lianru

Liu Tianlong, Cheng Shanshan, Ji Xiang
Luo Bing
Xu Shize, Yuan Zhe
Liu Jingdong, Che Longxuan
Wang Yajing, Zhu Xiaojun
Liu Qiongdan
Qi Wenli
Sun Chi, Wang Huaisen
Zhao Yaxin, Qu Tao
Wu Rang
Nie Ying

Shen Zhou
Ben Wen
Wu Hongjie
Wan Fuchu, Wan Dianhua, Wang Geng

FRONTIERS AND DYNAMICS

- 128 Design of Intelligent Medicine Auxiliary Equipment for the Elderly Group Based on the Service Design Concept
- 131 Research on the Application of Encryption Art in Exhibitions in the Metaverse Perspective
- 134 Research on Design of Home Health Protection Products—Take the Design of Household Intelligent Disinfection Mirror as an Example

Zhang Xinyue, Han Guirong, Wang Kang
Pan Luoyu, Guo Ziyang

Wang Jiajia, Yang Xiaoyan, Ru Qiangwei

CULTURE AND INHERITANCE

- 137 The Application of Jiarong Tibetan Traditional Clothing Pattern in Modern Interior Textile Design
- 140 Application of Pizhou Embroidery Shoe Pattern in Cultural Creative Products
- 143 Research on the Application of Southern Henan Cultural Elements in Xinyang Maojian Packaging Design
- 146 Application of Architectural Stone Carving in Shenyang Palace in the Design of Community Public Facilities
- 149 Innovative Design of Luoyang Peony Culture Tourism Derivatives

Shi Hailei, Li Ying
Feng Di
Lin De, Chen Changyun
Li Hanyao, Wang He
Ding Wenfei

TECHNOLOGY AND PRACTICE

- 152 Definition and Design Practice of Power Exoskeleton in High Temperature Mine
- 155 Research on Yangquan Cultural Creative Products Based on Screen Printing Technology
- 158 Research on Innovative Design of Handheld Tool Based on Ergonomics

Min Ye
Bi Ruifang, Shi Hualin, Wang Kun
Mo Honglei, Huang Yang, Long Ruikang

SECOND COVER

Marine Community Design

THIRD COVER

Subscription Info of *Industrial Design*

4

Fourth