

2020 International Conference on Innovation Design and Digital Technology (ICIDDT 2020)

**Zhenjing, China
5 – 6 December 2020**



**IEEE Catalog Number: CFP20AC8-POD
ISBN: 978-1-6654-4769-0**

**Copyright © 2020 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP20AC8-POD
ISBN (Print-On-Demand):	978-1-6654-4769-0
ISBN (Online):	978-1-6654-0367-2

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

2020 International Conference on Innovation Design and Digital Technology (ICIDDT) **ICIDDT 2020**

Table of Contents

Preface .xvi.....
Committee Members .xvii.....
Reviewers .xviii.....

Research on Intelligent Product Design and Virtual Interaction

Research on the Impact of VR Intervention on Architectural Design Teaching Based on the
Difference of Learners' Types .1.....
*Yingdong Hu (Beijing Jiaotong University, China), Jie Kang (Beijing
Jiaotong University, China), and Peifan Yao (Beijing Jiaotong
University, China)*

Researches on Design and Force Verification Analysis of Rehabilitation Training Table
Based on UR Robot .6.....
*Jiahao Lu (Shanghai Technical Institute of Electronics & Information,
China), Hua Wang (Shanghai Technical Institute of Electronics &
Information, China), Jun Xia (Shanghai Technical Institute of
Electronics & Information, China), and Zhenjun Song (Shanghai
Technical Institute of Electronics & Information, China)*

Design of a STEM Education Product "AMIGO" .10.....
*Yi Lu (Beijing University of Technology, China), Jian Liu (Beijing
University of Technology, China), Yinshuai Zhang (Levono Group Co.LTD,
China), and Guoqi Lu (Beijing Institute of Graphic Communication,
China)*

Research on Computer-Aided Music Generation Based on User-Tag-Media Semantic Mining .17.....
Ting Wu (Sichuan Province China West Normal University, China)

A Study on the Development of BIM-Based Energy Efficient Form Design System for High-Rise
Buildings in Early Design Phase .23.....
*Songhun Yu (Beijing Jiaotong University, China), Wei Sun (Beijing
Jiaotong University, China), and Pak Chol (Beijing Jiaotong
University, China)*

Research on Crime Prevention Design in Public Space of Open Communities Based on Space
Syntax Analysis: Take East District of Jiangbin New Village in Zhenjiang City as an
Example .32.....
*Tian Hao Jiang (Jiangsu University, China) and Jun Huo (Jiangsu
University, China)*

Research and Practice of Traditional Handicraft Interactive Learning Mode Based on User Interaction Behavior .39.....	
	<i>Yutong Liu (Guangdong University of Technology, China), Yi Ji (Guangdong University of Technology, China), Yuan Wei (Guangdong University of Technology, China), Sean Clark (Guangdong University of Technology, China), and Dongjin Lin (Jieyang College of Technology, China)</i>
Research on Influencing Factors of Intelligent Product Design for the Elderly Based on ISM Method .44.....	
	<i>Yu Chen (South China University of Technology) and Ziwu Zou (South China University of Technology)</i>
Design of an Intelligent Desktop Nursing Dual-Arm Robot Based on FAST and TRIZ .49.....	
	<i>Xiao-Jie Li (Guangzhou Institute of Science and Technology, China), Jian Liang (Guangzhou Institute of Science and Technology, China), and Ming-Tao Chen (Guangzhou Institute of Science and Technology, China)</i>
Human-Computer Interactive Showcases Design for the Application of Commercial Space .55.....	
	<i>Jing Wang (Wuhan Institute of Design and Sciences, China), Yi Wen Chen (Wuhan Institute of Design and Sciences, China), Han Zhong (Wuhan Institute of Design and Sciences, China), and Ang Wang (Wuhan Institute of Design and Sciences, China)</i>
Research on Intelligent Interaction of Digital Characters Based on Engine Technology : Take the Innovative Application of Mobile Terminal for Example .59.....	
	<i>Huifang Li (Art School of Jiangnan Vocational College of Media Arts, China) and Jun Yin (Design School of University, China)</i>
Research on the Application of Narratology in the Design of Interactive Exhibition Space .64.....	
	<i>Jinjun Xia (Chongqing University, China), Yi Liu (Chongqing University, China), and Yingjie Wang (Chongqing University, China)</i>
Research on Attention-Guiding Methods in Cinematic Virtual Reality Based on Eye Tracking Analysis .68.....	
	<i>Gong Wang (Jiangsu University, China), Quan Gan (Jiangsu University, China), and Yubo Li (Jiangsu University, China)</i>
Research on the Talent Training Model of Information and Interaction Design from the Perspective of Human Factors Engineering in the Digital Era .73.....	
	<i>Hao Fang (China University of Geosciences, China), Dengke Cui (China University of Geosciences, China), Nuo Cheng (China University of Geosciences, China), and Yue Yuan (China University of Geosciences, China)</i>
Study of the Visualization and Interaction of Data: Take the Historical Data of the Winter Olympics as an Example .78.....	
	<i>Jialu Wen (Beihang University, China) and Xin Wang (Beihang University, China)</i>
A Laser 3D Animation Optimization System Based on Virtual Reality Technology .83.....	
	<i>Xiaoxi Zhu (Jiangsu University, China)</i>
Research on Interaction Mechanism of the Elderly Companion Robot Based on Service Design .87...	
	<i>Lin Liu (Wuhan University of Technology, China) and Xing Fang (Wuhan University of Technology, China)</i>

Research on Ventilation Optimization Design of Residence Community Based on Quantitative Analysis of PHOENICS: Taking the Yunshan Poetry Courtyard as an Example .92.....	
	<i>Xuyi Gao (Guangdong University of Finance and Economics, China), Weicong Li (Guangdong University of Finance and Economics, China), and Zhaoming Du (Guangdong University of Finance and Economics, China)</i>
A Application Study of Artificial Intelligence Aided Design .98.....	
	<i>Siyu Shao (Changchun Institute of Technology, China)</i>
Research of Data Visualization in Industrial Product Design .102.....	
	<i>Bin Song (University Putra Malaysia, Malaysia) and Siti Mastura Md Ishak (University Putra Malaysia, Malaysia)</i>
Research on the Design of Jiaoshan Forest of Steles Cultural and Creative Products by Combining ASEB Analysis Method and Network Text Analysis .107.....	
	<i>Li-Qing Huang (Jiangsu University, China), Jia-Jun Jiang (Jiangsu University, China), Wen-Li Zhang (Jiangsu University, China), and Xiao Han (Jiangsu University, China)</i>
Rethinking of Artificial Intelligence Storytelling of Digital Media .112.....	
	<i>Baiheng Liu (Beijing Normal University, China) and Wen Zhou (Beijing Normal University, China)</i>
Establishing User Cognitive Output Action Evaluation Index System in Interaction Design Based on Motor Hierachies .116.....	
	<i>Kai Zhang (Jiangsu University, China), Ningna Sun (Jiangsu University, China), and Le Xu (Jiangsu University, China)</i>
Touch Device for Blind Reading .123.....	
	<i>Yafei Wang (Brunel University London, China) and Nadarajah Manivannan (Brunel University London, United Kingdom)</i>
Research on the Design Decision System of Toy Scooter Based on AHP .137.....	
	<i>Yinan Shang (Chongqing University, China), Weixin Xu (Chongqing University, China), and Yunguo Liu (Chongqing University, China)</i>
A Study on Optimization Design of Cosmetics Sustainable Service System and Case-Based Design on Xie Fuchun .142.....	
	<i>Liyang Yang (Jiangsu University, P. R. China)</i>
Visual Analysis of Tourism Image Research from the Perspective of Culture .147.....	
	<i>Yan Yang (Jiangsu University, China), Chunfa Sha (Jiangsu University, China), and Jiali Dong (Jiangsu University, China)</i>
The Development Characteristics of Virtual Reality after "The Year of VR" .152.....	
	<i>Changhui Chen (Shanghai Institute of Technology, China), Kangping Liu (Shanghai Institute of Technology, China), Hongzhe Yang (Shanghai Institute of Technology, China), and Ming Wu (Shanghai Institute of Technology, China)</i>
Research on Personalized Design System of Furniture Form Based on Interactive Genetic Algorithm .156.....	
	<i>Yafei Wang (Brunel University London, China), Wei Zhang (Xiaomi Communication Technology Co., Ltd., China), and Xuan Zhang (Brunel University London, China)</i>
Immersive Virtual Experience Design Research of Jiaoshan Forest of Steles Calligraphy Art .165....	
	<i>Jin Cui (Jiangsu University, China), Feifei Dong (Jiangsu University, China), and Wenli Zhang (Jiangsu University, China)</i>

Renovation Design of Ageing Historic Streets Based on Fuzzy Comprehensive Evaluation -- A Case Study in Handong Street of Taizhou City, China .170.....	
<i>Tianqi Liu (Jiangsu University, China)</i>	
Research on Interface Design Strategies of Online Course Video Based on Cognitive Load .176.....	
<i>Shanshan Pei (Jiangsu University, China), Mingzhu Li (Jiangsu University, China), and Liqing Huang (Jiangsu University, China)</i>	
Research on the Interactive Installation Based on 3D Projection Technology .184.....	
<i>Hong Dai (Jiangsu University), Haoran Ni (Jiangsu University), and Zhe Zhu (Jiangsu University)</i>	
Design of Humanoid Robot Based Training App on Social Skills of Children with Autism Spectrum Disorder .189.....	
<i>Chengbo Zhao (Harbin Institute of Technology, China), Shumeng Hou (Harbin Institute of Technology, China), Huicong Hu (Harbin Institute of Technology, China), and Jie Yao (Harbin Institute of Technology, China)</i>	
Application of Artificial Intelligence Technology in Wearable Product Design .194.....	
<i>Wen Ming Liu (Shenyang Jianzhu University, China) and Heng Bo Huang (Shenyang Jianzhu University, China)</i>	
Analysis on the Strategy and Method of Electronic Product Innovation Design Based on Affordance .198.....	
<i>ShuTing Yang (Southeast University, China), ZiWei Liu (Southeast University, China), and JiFeng Xu (Southeast University, China)</i>	
Research on Experiential Design of RV Interior Using HoloLens2 .202.....	
<i>Wenli Zhang (Jiangsu University, China) and Jiajun Chen (Jiangsu University, China)</i>	
Research on Environmental Evaluation and Design Strategy for the Adaptation of the Elderly to Outdoor Space in Residential Area Based on SD Method .207.....	
<i>Ying Xu (Jiangsu University, China), Yu-Xin Wang (Jiangsu University, China), and Rong Han (Jiangsu University, China)</i>	
Research on Spatial Design Method of Rehabilitation Environment Based on Behavioral Characteristics of Alzheimer's Disease Patients .213.....	
<i>Weicong Li (Guangdong University of Finance and Economics, China) and Zhaoming Du (Guangdong University of Finance and Economics, China)</i>	
A Study on Image Extraction and Innovation Development of Clay Toys in the New Context .217...	
<i>Zhengqi Huang (Jiangsu University, China), Zhe Zhu (Jiangsu University, China), and Mengjun Cui (Jiangsu University, China)</i>	
Research on Children's Mental Rotation Ability Training Using Augmented Reality-Based Virtual Model .223.....	
<i>Wenli Zhang (Jiangsu University, China) and Yao Yao (Jiangsu University, China)</i>	
Research on Immersive Specialty Stores Design from the Perspective of Flow Experience .228.....	
<i>Jing Wang (Wuhan Institute of Design and Sciences, China)</i>	
Research on Integrated Multiple Functional Design of High-Speed Rail Emergency Response Products Based on Passenger Safety .232.....	
<i>Jingjing Li (Beijing Jiaotong University, China), Xiao Yi (Beijing Jiaotong University, China), and Jw Drukker (University of Twente, the Netherlands)</i>	

Research on Innovative Design of Digital Interactive Platform of Paper Engraving Process Based on Virtual Reality .242.....	
	<i>Dan Liu (Changzhou College of Information Technology, Changzhou, Jiangsu, China) and Baichen Liu (Changzhou College of Information Technology, Changzhou, Jiangsu, China)</i>
A Study of the Environment Facility Experience Device Design Based on Real-Time Tide Simulation .246.....	
	<i>Yuhan Zhang (Jiang Su University, China), Rong Han (Jiang Su University, China), and Mengsu Lu (Jiang Su University, China)</i>
Research on Users' Interactive Experience of Mobile Music Apps Based on Eye Tracking Test .252..	
	<i>Jun Liu (China University of Geosciences, China), Yunlei Liu (China University of Geosciences, China), and Ruizhi Zhang (China Three Gorges University, China)</i>
The Design of Rescue Robot Based on Disaster Rescue .257.....	
	<i>Yunwei Shu (Xihua University, China), Kaining Meng (Xihua University, China), and Peixin An (Xihua University, China)</i>
Research on the Persuasion Design of the Interactive Interface of the Online Courses of Middle School English .262.....	
	<i>Ningna Sun (Jiangsu University, China) and Ran Li (Jiangsu University, China)</i>
Research on Virtual Scene Interaction in Environmental Art Design .271.....	
	<i>Qin Yu (Chongqing Business Vocational College)</i>
Influence of Using Willingness of App with Different Initial Interaction Methods .278.....	
	<i>Jinjun Xia (Chongqing University, China), Yingjie Wang (Chongqing University, China), and Min Fan (Chongqing University, China)</i>
Application of Online Trading Market in Rural Handicraft Protection Design Strategy: Take "Fang Yuan" App Handicraft Exchange Trading Platform as an Example .286.....	
	<i>Yixuan Dai (Jiangsu University, China) and Dongrun Yang (Jiangsu University, China)</i>
Design of Gamification Theory in Tourism Application: Take the Application "Travel in Zhenjiang" for Example .290.....	
	<i>Dongrun Yang (Jiangsu University, China) and Cong Li (Jiangsu University, China)</i>
Research on Public Space Reconstruction Design of Teaching Building of University Design College Based on Depthmap Software .295.....	
	<i>Xiao-Cong Hu (Xiamen University of Technology, China), Xin-Yu Han (Xiamen University of Technology, China), Zao-Yi Liu (Xiamen University of Technology, China), and Li-Qing Zheng (Xiamen University of Technology, China)</i>

Innovative Digital Technology and Model Construction Design

User Satisfaction Model of Functional Animation Design in the Digital Technology Perspective Based on TAM .301.....	
	<i>Xiang Meng (Jiangsu University, China), Sha Li (Jiangsu University, China), and Qilin Zhu (Jiangsu University, China)</i>

Research Progress in Thermal Comfort Assessment of Urban Green Spaces Based on Scientific Knowledge Mapping Technology .306.....	
	<i>Yingnan Li (Southeast University, China), Harry den Hartog (Tongji University, China), Tao Liu (Jiangsu University, China), and Yuning Cheng (Southeast University, China)</i>
Application of Color in Innovative Digital Landscape Design .312.....	
	<i>Jiaji Gao (Dalian Polytechnic University, China), Yanshan Liu (Dalian Polytechnic University, China), Xuan Liu (Dalian Polytechnic University, China), and Xing Zhang (Dalian Polytechnic University, China)</i>
Subjective Environmental Evaluation Based on Combination Method of VR and EEG .317.....	
	<i>Wei Wu (Beijing JiaoTong University, China), Junjie Li (Beijing JiaoTong University, China), Yichun Jin (Beijing JiaoTong University, China), and Ruyue Zhao (Beijing JiaoTong University, China)</i>
A Study on Evaluation Model of VR Shopping Experience Based on User-Centered Approach .323	
	<i>Ling Zheng (Qingdao University of Technology, China) and Long Xu (Qingdao University of Technology, China)</i>
Eye Movement Evaluation of Zoo Landscape Design in the Context of Innovative Digital Technology .334.....	
	<i>Li Mao (Jiangsu University, China)</i>
Research on Parametric Design of Decorative Patterns Based on Color Composition Model: Take Continuous Geometric Patterns as a Case Study .338.....	
	<i>Na Wang (Hefei University of Technology, China), Shiwei Wu (Hefei University of Technology, China), and Xiaochen Yin (Hefei University of Technology, China)</i>
Multi-Task Weakly-Supervised Learning Model for Pulmonary Nodules Segmentation and Detection .343.....	
	<i>Guanghui Song (NingboTech University, China), Yan Nie (Ningbo University, China), Jiajian Zhang (NingboTech University, China), and Genlang Chen (NingboTech University, China)</i>
Research on Participatory Skills in Tang Shipwreck Collection Exhibition from the Perspective of SDT .348.....	
	<i>Wenli Zhang (Digital Media Technology, Jiangsu University, China) and Fanding Zhou (Jiangsu University, China)</i>
Application of the Innovative Design and Digital Technology in the Construction of Traditional Village Digital Museum .354.....	
	<i>Yuan Sun (Beijing Jiaotong University, China), Mingyue Wang (Beijing Jiaotong University, China), Ye Zhang (Beijing Jiaotong University, China), and Chun Zhang (Beijing Jiaotong University, China)</i>
Research of Immersive Geospatial Data Visualization Based on Embodied Cognition .358.....	
	<i>Qiuyu Liu (Chongqing University, China), Jingwen Pan (Chongqing University, China), and Gang Li (Chongqing University, China)</i>
Coping with COVID-19 by Community Landscape Design in the Digital Technology Based on Big Data .363.....	
	<i>Zesong Wei (Beijing Jiaotong University) and Shicun Sun (Beijing Industrial University)</i>

Research of Interactive Experience Display of Child Safety Seats Based on Mixed Reality Technology .367.....	367
<i>Wenli Zhang (Digital Media Technology, Jiangsu University, China) and Yiqian Zhang (Digital Media Technology, Jiangsu University, China)</i>	
Research on VR Tourism Application Based on 5G Technology — — Taking Guilin Lijiang as an Example .373.....	373
<i>Minmin Li (Guilin University of Electronic Technology) and Yuyuan Peng (Guilin University of Electronic Technology)</i>	
Research on the Design and Communication Strategy of Da'afu's IP Based on Digital Technology .378.....	378
<i>Xingyu Yao (Jiangsu University, China) and Xuehong Dai (Jiangsu University, China)</i>	
Application of Plant Configuration Method in Modern Landscape under the Background of Digital Technology .383.....	383
<i>Chenhui Xiong (Wuchang Institute of Technology, China)</i>	
A Contrastive Analysis on Effect Evaluation of 3D-to-2D Rendering Technologies for Animated Characters .387.....	387
<i>Sha Li (Jiangsu University, China), Jibin Wang (Nanjing Vocational College of Information Technology, China), Xiang Meng (Jiangsu University, China), and Boliang Ji (Jiangsu University, China)</i>	
Digital Technology Design of Innovative HHO Algorithm and Experiment .393.....	393
<i>Yuxin Guo (Shanghai University of Engineering Science) and Sheng Liu (Shanghai University of Engineering Science)</i>	
Research on the Products That Digitally Popularize and Propagandize .397.....	397
<i>Linlin Liu (Tianjin University of Science & Technology, China) and Tao Wang (Tianjin University of Science & Technology, China)</i>	
Research on Design and Innovation Based on Network Platform and Digital Technology .401.....	401
<i>Weiwei Wang (Gannan Normal University, China)</i>	
A Computer-Based Digitized Platform for Planning and Designing the Historic City .405.....	405
<i>Ziye Na (Central University of Finance and Economics, China), Kai Fan Chen (South-Central University for Nationalities, China), Yifeng Yao (Beijing Jiaotong University, China), and Lingyu Li (Beijing Jiaotong University, China)</i>	
Tactile Navigation System for People with Visual Impairments in Museum .410.....	410
<i>Kailin Wang (Jiangsu University, China)</i>	
Research on Color Image Evaluation of Child Safety Seats Based on Grey Relational Analysis Model .415.....	415
<i>Ziyue Yan (Jiangsu University, China), Mingzhu Li (Jiangsu University, China), and Liqing Huang (Jiangsu University, China)</i>	
Innovative Design of Crutches for the Elderly Based on TRIZ and KANO Integrated Model .421.....	421
<i>Lei Lu (Jiangsu University, China), Jiali Dong (Jiangsu University, China), and Chunfa Sha (Jiangsu University, China)</i>	

Application of Digital Art Device in Design: Design of Visual Device for Droplet Suspension Based on Arduino .427.....	
	<i>Zhenyang Shen (Beijing University of Aeronautics and Astronautics, China), Hu Yin (Beijing University of Aeronautics and Astronautics, China), Xiaoning Wang (Beijing University of Aeronautics and Astronautics, China), and Diansheng Chen (Beijing University of Aeronautics and Astronautics, China)</i>
Research on the Influence of the Seamless Switch Technology of 3D Role Bone Assembly to Production Efficiency .431.....	
	<i>Tao Han (Jiangsu University, China) and Xiang Meng (Jiangsu University, China)</i>
3D Print Innovative Design of Painted Silver Jewelry: A Case Study of Painted Silver Bracelets in Porch Windows .436.....	
	<i>Lin Shi (Central South University of Forestry Science and Technology, China), Xiao Fang Ma (Central South University of Forestry Science and Technology, China), and Li Zeng (Central South University of Forestry Science and Technology, China)</i>
Influence of Cascaded Multi-Task Design Based on Shannon Form of Fitts' Law in One-Dimensional Movement on Guidance of Visual Flow .441.....	
	<i>Yubo Shang (Nanjing University of Science and Technology, China)</i>
Research on Reproductive Visual Production Types of Digital Technology Based on Sampling Algorithm .445.....	
	<i>Qing Liu (Beijing Jiaotong University, China) and Tingxuan Wang (Beijing Normal University, China)</i>
Application of Digital Technology in Electronic Music Instrument Design .449.....	
	<i>Xiaomo Bai (SiChuan Conservatory of Music, China)</i>
Research on the Application of Artificial Intelligence in E-Commerce Design .455.....	
	<i>Zhengping Liang (Nankai University, China) and Feng Tao (Nankai University, China)</i>
A Study on the Current Situation of Doumu Pottery Making Technique and the Path of Using VR Technique to Pass on its Technique .459.....	
	<i>Jing Yao (Academy of Fine Arts, Hubei Normal University, China) and Xiao-Bing Hu (Jingdezhen Ceramic Institute, China Anqing Normal University, China)</i>
Research on the Convenient Life of the Elderly in Urban Based on POI Digital Technique: A Case Study of Xi'An City .466.....	
	<i>Linggui Liu (Xi'an Jiaotong University, China), Jing He (Xi'an Jiaotong University, China), and Dian Zhou (Xi'an Jiaotong University, China)</i>
The Influence of Slope-Based Navigation Interface on Cognition and Experience in Complex Mountain Cities .471.....	
	<i>Hong Zhang (Jiangsu University) and Rong Han (Jiangsu University)</i>
Research on Innovative Design of Classroom Situational Teaching : Take Higher Dance Education as an Example .478.....	
	<i>Xueliang Zong (Northwest Minzu University, China) and Qi Li (Northwest Minzu University, China)</i>

Research on Slow Shutter Shooting Efficiency of Mobile Phone Based on Computer Algorithms	482
<i>Qilin Zhu (Jiangsu University), Gong Wang (Jiangsu University), Xiang Meng (Jiangsu University), and Sha Li (Jiangsu University)</i>	
Application and Innovation of Digital Technology in the Design of Red Cultural and Creative Products: Take Zhenjiang Maoshan New Fourth Army Red Culture as an Example	487...
<i>XiaYan Wang (Jiangsu University, China), LiQing Huang (Jiangsu University, China), MingZhu Li (Jiangsu University, China), and Lei Yin (Jiangsu University, China)</i>	
Multi-Dimensional Digital Dance Art with Real and Illusory Characteristics	491.....
<i>Ya Dan (CWNU (China West Normal University), China)</i>	
A Brief Discussion on the Application Prospect of Digital Media Technology in Responsive Landscape	498.....
<i>Peiyi Hao (Hunan Normal University)</i>	
Inheritance and Innovation Strategy of Linxia Brick Carving Art Based on Digital Technology	502.....
<i>Chunxia Wang (Lanzhou University of Technology, China) and Shouhui Zhu (Lanzhou University of Technology, China)</i>	
Study on Urban Spatial Characteristic Based on Historic Map Digital Analysis— — Taking Changsha as an Example	507.....
<i>Xianzhu Zhu (Hunan Normal University, China) and Zheng Lu (Hunan Normal University, China)</i>	
Application of Guiding Design in UI Design of Mobile Terminal	512.....
<i>Jinxian Lin (Academy of Art and Design, China)</i>	
Design and Innovation of Marine Culture Breakfast Machine: Based on Emotional Design	517.....
<i>Jun Han (Wuhan Institute of Technology, China), Lulu Wang (Wuhan Institute of Technology, China), Jun Li (Wuhan Institute of Technology, China), and Zijun Zhu (Wuhan Institute of Technology, China)</i>	
A Study of the Built Environment of Traditional Settlements Based on Geo-Information Technology: A Case of Settlement Communities in Xiangfen, Shanxi	521.....
<i>Chuangyong Liu (Beijing General Municipal Engineering Design & Research Institute, China), Bojun Zhang (Beijing Jiaotong University, China), Xin Wang (Beijing Jiaotong University, China), and Jie Liu (Beijing Jiaotong University, China)</i>	
Research on User Cognitive Load Measurement System in Interface Design	527.....
<i>Kai Zhang (Jiangsu University, China), Ningna Sun (Jiangsu University, China), and Yu Gao (Jiangsu University, China)</i>	
Research on Brand Image Narrative Model Design Based on Online Review Data Mining: Take the Brand of Zhenjiang Hengshun as an Example	532.....
<i>Lili Zhang (Jiangsu University, China), Yuni Wang (Jiangsu University, China), and Xiaoxin Liu (Jiangsu University, China)</i>	
A Framework of Traditional Handicraft Creative Practice Towards Human-Engaged Computing	537
<i>Peng Tan (Guangdong University of Technology, China), Shengyang Zhong (Guangdong University of Technology, China), Yi Ji (Guangdong University of Technology, China), and Sean Clark (Guangdong University of Technology, China)</i>	

Modeling Design of BH1500UU Based on Additive Manufacturing and Digital Technology .544....	
<i>Shuying Guo (Jilin Engineering Normal University, China)</i>	
Application Research of Optical Tracking Point Layout in Computer Motion Capture Technology: Take Walking Motion as an Example .548.....	
<i>Quan Gan (Jiangsu University, China), Yubo Li (Jiangsu University, China), Gong Wang (Jiangsu University, China), and Yi Zhang (Jiangsu University, China)</i>	
Research on Personalized Recommendation System of Traditional Handicraft Based on Semantic Ontology .553.....	
<i>Xiaohong Sun (Guangdong University of Technology, China), Yi Ji (Guangdong University of Technology, China), and Ming Ma (Guangdong University of Technology, China)</i>	
Research on the Image Design Strategy of Tourist Destination Based on Internet Big Data Anlysis .558.....	
<i>Qiuyan Huang (Academy of Art and Design, Anhui Institute of Information Technology, China), Xiao Li (JiangShu University, China), and Zhangyang Shang (Anhui Polytechnic University, China)</i>	
Sculpture Similarity Representation and Retrieval Application Based on Similarity Measurement Algorithm .563.....	
<i>Qiang Chen (Xi'an Jiaotong University, China), Tian-Ning Chen (Xi'an Jiaotong University, China), Jian Yang (Xi'an Beilin Museum, China), Wen Xiong (Xi'an Jiaotong University, China), Zhenyu Ouyang (Xi'an Jiaotong University, China), Ziyun Zhao (Xi'an Jiaotong University, China), and Ze Zhang (Xi'an Jiaotong University, China)</i>	
A Study of Differences of Resource Deformation Tools and Modules in Animate Throughout the Motion Graphics Creation .567.....	
<i>Chen Xiao (Jiangsu University, China)</i>	
Research on the Innovation Method of Cultural Tourism Landscape Based on Innovative Digital Technology .572.....	
<i>Mimi Tian (Wuhan University of Technology, China)</i>	
Research on Forecasting Hot Tourism Commodity Types Based on BP Neural Network and Grey Model .576.....	
<i>Jianning Su (Lanzhou University of Technology, China), Lei Han (Lanzhou University of Technology, China), and Wenjin Yang (Lanzhou University of Technology, China)</i>	
Color Feature Extraction of Chinese Style Illustration Based on MCCQ Algorithm and Perceptual Analysis .581.....	
<i>Rong Han (Jiangsu University, China), Gejia Wang (Jiangsu University, China), and Jinghang Wu (Jiangsu University, China)</i>	
Pseudo Stereo Output Synthesis of Wind Instruments Based on Computer Multimedia Technology..... 586	
<i>Xiangyu Wang (CWNU (China West Normal University), China)</i>	
Cantonese Porcelain Innovation Design Based on Digital Technology .592.....	
<i>Yueling Liu (Guangdong University of Finance and Economics, China), Qinzhen Xiong (Guangdong University of Finance and Economics, China), Weicong Li (Guangdong University of Finance and Economics, China), and Zhaoming Du (Guangdong University of Finance and Economics, China)</i>	

Digital Protection and Communication Strategy of Industrial Building Remains in Zhenjiang
Section of Grand Canal .596.....
*Xiao Li (Jiangsu University, China) and Xu Han (Jiangsu University,
China)*

Author Index 601.....