2024 International Conference on Culture-Oriented Science & Technology (CoST 2024)

Beijing, China
25 – 28 August 2024

IEEE Catalog Number: CFP24CY8-POD
ISBN: 979-8-3503-8035-4

Copyright © 2024 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: CFP24CY8-POD
ISBN (Print-On-Demand): 979-8-3503-8035-4
ISBN (Online): 979-8-3503-8034-7

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

2024 International Conference on Culture-Oriented Science & Technology (CoST)

CoST 2024

Table of Contents

Message from General Chairs ..... **xv**
Message from Program Chairs ..... **xvi**
Organizing Committee ..... **xvii**
Reviewers ..... **xviii**
Sponsors ..... **xix**

2024 International Conference on Culture-Oriented Science & Technology

Compressing DNN-based Image/Video Watermarking Models for Resource-Constrained Devices 1
Jianlin Li (Southern University of Science and Technology, China), Guanhui Ye (Southern University of Science and Technology, China), Yuchen Wang (Southern University of Science and Technology, China), Shiyao Zhang (Southern University of Science and Technology, China), and Xuetao Wei (Southern University of Science and Technology, China)

Source Separation of Piano Concertos Using Hybrid LSTM-Transformer Model 7
JingYu Liu (State Key Laboratory of Media Convergence and Communication; Key Laboratory of Acoustic Visual Technology and Intelligent Control System, Ministry of Culture and Tourism; Communication University of China, China), Wei He (State Key Laboratory of Media Convergence and Communication; Key Laboratory of Acoustic Visual Technology and Intelligent Control System, Ministry of Culture and Tourism; Communication University of China, China), Jingjing Zhou (Communication University of China, China), and Wei Jiang (State Key Laboratory of Media Convergence and Communication; Key Laboratory of Acoustic Visual Technology and Intelligent Control System, Ministry of Culture and Tourism; Communication University of China, China)

A Chinese Font Generation Method Based on Dynamic Convolution Improved Generative Adversarial Network 12
Xuefei Guo (Shaanxi Normal University, China), Li Zhao (Shaanxi Normal University, China), Xiaojun Wu (Ministry of Culture and Tourism, China), Honghong Yang (Ministry of Education, China), and Yufang Man (Ministry of Education, China)

Dunhuang Murals Image Inpainting Method Based on Fusion Classification pre-Training Model 18
Hui Ren (Communication University of China, China; Ministry of Culture and Tourism, China; Beijing Key Laboratory of Modern Performing Arts Technology, China), Chengya Zhang (Communication University of China, China; Ministry of Culture and Tourism, China; Beijing Key Laboratory of Modern Performing Arts Technology, China), Ke Sun (Communication University of China, China; Ministry of Culture and Tourism, China; Beijing Key Laboratory of Modern Performing Arts Technology, China), and Chenyu Ye (University of Pennsylvania, USA)

AIGC-Assisted Geospatial Generative Design for Classical Chinese Literary Works 22
Peipeng Ma (University of Science and Technology Beijing, China), Jinhua Dou (University of Science and Technology Beijing, China), Jiayi Jia (University of Science and Technology Beijing, China), and Xinrong Ma (University of Science and Technology Beijing, China)

CDFD: A Novel Cross-Modal Dynamic Fusion and Self-Distillation Approach in Fake News Detection 28
Liu Weidong (Industrial Planning Research Institute, Academy of Broadcating Science, NRTA, China), Wu Peng (Beijing Guangyan Hi-tech Center Co. Ltd., China), and Qin Beibei (Industrial Planning Research Institute, Academy of Broadcating Science, NRTA, China)

Research on Destination Tourism Data Based on CNN-BiLSTM and STL-LSTM Methods for Data Continuity Problem 33
Zhengguang Lei (Dunhuang Academy, China), Wenqing Zhao (Lanzhou University, China; Ministry of Culture and Tourism, China), Caihong Li (Lanzhou University, China; Ministry of Culture and Tourism, China), Yi Yang (Lanzhou University, China; Ministry of Culture and Tourism, China), and Xingbao Wei (Lanzhou University, China; Ministry of Culture and Tourism, China)

Association Between Timbre Perception Features and Fine-Grained Emotions in Film and Television Music 39
Xiaomeng Ren (Communication University of China, China), Zhibin Su (Communication University of China, China), Wei Jiang (Communication University of China, China), and Jingyu Liu (Communication University of China, China)

Detection and System Implementation of Abnormal Audio Events in Urban Environments Based on Convolutional Neural Networks 45
Shutong Xiao (Communication University of China, China) and Ling Lei (Communication University of China, China)

Multipath Planning Based on Multimodal Optimization Slime Mold Algorithm 50
Luli Gao (Communication university of China; Communication University of China, Ministry of Culture and Tourism; Beijing Key Laboratory of Modern Entertainment Technology (Communication University of China), China) and Hui Ren (Communication university of China; Communication University of China, Ministry of Culture and Tourism; Beijing Key Laboratory of Modern Entertainment Technology (Communication University of China), China)

A Framework for Image Text Retrieval Based on Large Language Model 55
Jianwen Liao (Communication University of China, China), Yangchen Wang (Communication University of China, China), and Yingyun Yang (Communication University of China, China)

Research on Tourist Destination Passenger Flow Prediction Based on Decomposition Clustering Technology for Data Continuity Problem 60
Lianze Feng (Lanzhou University, China; Ministry of Culture and Tourism, China), Lin Mu (Tourism quality supervision and management institute of China, China), Yi Yang (Lanzhou University, China; Ministry of Culture and Tourism, China), and Caihong Li (Lanzhou University, China; Ministry of Culture and Tourism, China)

TFSWA-UNet: Temporal-Frequency and Shifted Window Attention Based UNet For Music Source Separation 66
Zhenyu Yao (Shaanxi Normal University, China), Yuping Su (Shaanxi Normal University, China), Honghong Yang (Shaanxi Normal University, China), Xiaojun Wu (Shaanxi Normal University, China), and Yumei Zhang (Shaanxi Normal University, China)

The News Delivery Channel Recommendation Based on Granular Neural Network 71
Xiujun Bai (China United Network Communications Co., Ltd., Intelligent City Research Institute, China), Ying Miao (China United Network Communications Co., Ltd., Intelligent City Research Institute, China), Lin Wu (Communication University of China, China), and Yuhao Long (Communication University of China, China)

Deep Learning Based Public Opinion Analysis of Game Communication 77
Jinbao Song (Communication University of China, China), Da Chen (Communication University of China, China), and Chuanyu Xiang (Communication University of China, China)

Evaluation of Service Capability of Cultural Product Property Rights Trading Platform in the Context of Blockchain 83
Xin Wu (Beijing Information Science & Technology University, China), Cuifen Yang (Beijing Information Science & Technology University, China), and Yuan Ni (Beijing Information Science & Technology University, China)

Research on Comfort Perception and Evaluation of Immersive Experience Equipment in Cultural Tourism 88
Huibo Hu (Communication University of China; Ministry of Culture and Tourism, China), Zhibin Su (Communication University of China; Ministry of Culture and Tourism, China), Yujian Jiang (Communication University of China; Ministry of Culture and Tourism, China), and Lingxi Qu (Communication University of China; Ministry of Culture and Tourism, China)

Dissemination of Intangible Cultural Heritage Based on Digital Twin Technology 94
Yu Wen (Yanshan University of China, China) and Kexin Xu (Yanshan University of China, China)

Research on the Identification and Management of User Risk Perception Dimensions in Blockchain Technology-Based Cultural Product Rights Confirmation Services 99
Jinhe Pan (Beijing Information Science & Technology University, China), Cuifen Yang (Beijing Information Science & Technology University, China), and Yuan Ni (Beijing Information Science & Technology University, China)

Research on the Application of Anti-Tampering Technology in Digital Cultural Communication.... 104
Xiaolong Mo (National Museum of China), Huabiao Li (National Museum of China), and Ruiwei Meng (National Museum of China)

A Study on Analyzing the Differences in the Characteristics of user Comments on Cultural Short Video Platforms 109
Nuan Luo (Beijing Information Science & Technology University, China), Qian Cao (Beijing Information Science & Technology University, China), and Jian Zhang (Beijing Information Science & Technology University, China)

The Application of VR/AR Technology in Enhancing the Emotional Experiences of College Students in ACG Exhibition Tourism 115
YiGe Gao (Wuhan Qingchuan University, China) and Yi Yu (Wuhan Qingchuan University, China)

Exploration of Trusted Sharing Mode and Technical Practice of Digital Cultural Resources in Museums 120
Linxian Hao (National Museum of China, China), Huabiao Li (National Museum of China, China), and Qianwei Huang (National Museum of China, China)

Vitality Evaluation and Enhancement Strategies of Wuzhou Historical and Cultural Districts Based on Semantic Differential Method 126
Haifeng Chu (University of Electronic Technology, China), Xiang Shi (University of Electronic Technology, China), and Jing Tang (University of Electronic Technology, China)

Analysis of the Correlation Between Venue Display and Tourists' Place Attachment in Revolutionary Tourist Attractions 132
Yi Yu (Wuhan Qingchuan University, China) and Huan Zhang (Wuhan Qingchuan University, China)

Innovative Application of Intangible Cultural Heritage Elements of Shadow Play in Digital Field Design 137
Jing Cao (Dalian University of Science and Technology, China)

Development Strategies for Integrating Rural Culture and Tourism in Liaoning Province : A Three Integration and Five Systems Approach 141
Lin Lin (Dalian Polytechnic University, China; University of Science and Technology, China), Xinyu Zhao (Dalian Polytechnic University, China; University of Science and Technology, China), and Zhongzheng Lyu (University of Science and Technology, China; Fujian University of Technology, China)

A Generative Approach to Image Generation of Yao Long Drums Based on Cultural Gene Analysis 146
Ming Xu (Central South University, China), ZhiSheng Xin (Central South University, China), and YiChun Tan (Central South University, China)

LLM-Based user Requirement Analysis and Intelligent Q&A Toward Chang'an Twelve Hours 151
Fuqing Hou (Xi'an Polytechnic University, China), Yibing Chen (Ministry of Culture and Tourism, China), Xin Shi (Communication University of China; Polytechnic University, China), Min Li (Xi'an Polytechnic University, China), and Xueqing Zhao (Xi'an Polytechnic University, China)

Innovative Research and Application of Minnan Concrete Bricks Patterns Based on Image Processing 156
Min Wang (Hubei University of Technology, China), Ziyue Xiao (Hubei University of Technology, China), and Xinran Liu (Hubei University of Technology, China)

Influencing Factors of Native Advertising Avoidance Based on Interactive Media 162
Ziyu Mao (Wuhan University, China), Liqun Liu (Wuhan University, China), and Zhixiang Fang (Wuhan Qingchuan University, China)

The Construction of the Museum Audience Data System Based on Big Data Technology 169
Menglong Chang (The Palace Museum, China)

Analysis of Tourist Consumption Behavior in "Social Media Hotspot" Cities Based on User-Generated Content: A Case Study of Xi'an 174
Cai Wen Zhao (Wuhan Qingchuan University, China) and Huan Zhang (Wuhan Qingchuan University, China)

Innovation within Tradition: Exploring Digital Interventions in Transmitting Traditional Lantern Making 179
Yuxiang Fan (Southern University of Science and Technology, China) and Wanlin Zhang (Southern University of Science and Technology, China)

Improved Design of SOR Model Based on Virtual Tourism User-Generated Content and Destination Attachment 185
Bowen Guan (Sichuan University of Media and Communications, China)

The Impact of Platform Varieties on Emoji Usage: Based on Mixed Research Methods 190
Xingyue Bai (Wuhan University, China), Liqun Liu (Wuhan University, China), and Wei Lv (Wuhan Qingchuan University, China)

An End-to-end Audiovisual Program Translation System for Multiple Languages 196
Yue Zhu (Academy of Broadcasting Planning, China), Yonghua Li (Beijing University of Posts and Telecommunications, China), Zhongle Wu (Academy of Broadcasting Planning, China), Ruoyan Jing (Beijing University of Posts and Telecommunications, China), Hongyuan Zhang (Beijing University of Posts and Telecommunications, China), Kaichao Zhan (Beijing University of Posts and Telecommunications, China), and Mingyue Yu (Beijing University of Posts and Telecommunications, China)

Self-Presentation of Housewives in Social Media: A Case Study of Tik Tok 202
Wei Lv (Wuhan Qingchuan University, China), Zihao Wang (Wuhan Qingchuan University, China), and Desheng Lan (Wuhan Qingchuan University, China)

Design and Implementation of Blockchain-Based Image Copyright Confirmation System 207
Minglu Xu (Communication University of China, China) and Fang Meng (Communication University of China, China)

Media Synergy and Emotional Effects: An Analysis of Blockchain Technology Communication in China 213
Cunqi Han (Wuhan University, China), Liqun Liu (Wuhan University, China), and Guowei Li (Wuhan Qingchuan University, China)

Traditional Pattern Segmentation Algorithm Based on Semantic Prediction and Region Learning 218
Xiaogang Hou (National Museum of China, China), Haiying Zhao (Beijing University of Posts and Telecommunications, China), Xiangbing Zhou (Sichuan Tourism University, China), Xiaoyue Liang (Beijing Peony Electronic Group Co., Ltd, China), and Jiaxing Yang (Beijing University of Posts and Telecommunications, China)

The Analysis on Speaker Timbre Perception and Acoustic Parameters under Whispered Speech 224
Yali Liu (Communication University of China, China), Liujiahao Peng (Communication University of China, China), Jingying Zhang (Xiaomi Technology (Wuhan) Co. Ltd., China), Zhijun Zhao (Communication University of China, China), and Yujun Wang (Beijing Xiaomi Pinecone Technology Co., Ltd., China)

An Analysis of Factors Influencing the Language Style of CCTV Spring Festival Gala Hosts 230
Yujie Zhao (Wuhan Qingchuan University, China)

Application of Quality Function Deployment and Function-Behavior-Structure Model in the Innovative Design of Hospital Guide Robot 236
Yixiao Guo (Southeast University, China) and Jifeng Xu (Southeast University, China)

A Novel Multifunctional Industrial Product Design Scheme using Modular Design 242
Nuo Pang (Dalian University of Science and Technology, China; City University Malaysia, Malaysia), Mustaffa Halabi Azahari (City University Malaysia, Malaysia), Lili Chen (Dalian University of Science and Technology, China), and Zhenqi Li (TusPark Management & Operation Co., Ltd., China)

Study on Public Participation in Urban Water Environment Treatment Service System Design 246
Jifeng Xu (Southeast University, China), Mengyao Xiao (Southeast University, China), and Tian Fang (Southeast University, China)

Intelligent Product Design Methods and Typical Applications Simulating Animal Ecology 251
Yongmin Wang (Dalian University of Science and Technology, China) and Nuo Pang (Dalian University of Science and Technology, China)

Residential Space Design for the Multi-Generation Cohabitation Based on Environment-Behavior Studies 255
Xinchang Ouyang (Guangzhou Huali College, China) and Jifeng Xu (Southeast University, China)

A Novel Design Scheme of Small Intelligent Fire Extinguisher Based on Unconscious Design Method 261
Boran Zhang (Dalian University of Science and Technology, China) and Jing Cao (Dalian University of Science and Technology, China)

Design and Performance Analysis of Soft Manipulator Based on Fast Pneumatic Network Technology 265
Linlin Ge (Dalian University of Science and Technology, China)

Design of Fire Alarm Devices for Wooden-Structured Ancient Buildings Based on Service Design 269
Shuofeng Liu (Beijing Forestry University, China), Yuanyang Tu (Beijing Forestry University, China), Hongyan Wu (Beijing Forestry University, China), and Lei Xue (Beijing Forestry University, China)

Explore the Application of oil Paper Umbrella Elements in Smart Lighting Fixtures 274
Yuyan Li (Wuhan Textile University, China), Juan Qiao (Wuhan Textile University, China), Wenwen Ning (Wuhan Textile University, China), Xiaonan Guo (Wuhan Textile University, China), Yuhe Yi (Wuhan Textile University, China), and Zhang Lei (Wuhan Textile University, China)

A Scoping Review Focusing on the Competencies Developed by Head-Mounted Display Virtual Reality in School Education 280
Hidemichi Okamoto (Ogaki Women's College, Japan), Tetsushi Kawasaki (Gifu University, Japan), Mutfried Hartmann (University of Education Karlsruhe, Germany), and Frank Thissen (Stuttgart Media University, Germany)

Pattern-Based Stylization Method for QR Codes 286
Ruihan Lei (Communication University of China, China) and Yu Yang (Communication University of China, China)

Analysis of Education Reform in Indonesia Based on Qualitative Methods for a Digital Sustainable Society 291
Khodir Muhammad (Fujian Normal University, China) and Zhe Li (Fujian Normal University, China)

RR-WebRTC: Efficient Real-Time Communications With Fast Loss Recovery For WebRTC 295
Dongcheng Luo (Communication University of China), Yuan Zhang (Communication University of China), and Jinyao Yan (Communication University of China)

Design of Early Childhood Education Mobile Social Applications Based on the KJ-Kano Model 301
Juan Li (Huaqiao University, China), Jiayue Liu (Huaqiao University, China), Jiaxuan Zhang (Huaqiao University, China), Leyi Hong (Huaqiao University, China), and Qi Tian (Huaqiao University, China)

Analysis of VOT Acoustic Parameters of Stops and Affricates in Mandarin for Adolescents 306
Jing An (Lanzhou University of Arts and Science, China) and Chao Gao (The Primary School Affiliated to Communication University of China, China)

Visual Analysis of Creativity of University Students'entrepreneurial Team Based on Leadership Style 311
Lian Chen (Wenhua College, China) and Jingwen Wang (Huazhong University of Science and Technology, China)

Experiment Design for Investigating the Effectiveness of Accelerated Video Learning Based on Brain Imaging Evidence 315
Yuqing Qiu (Northwest Normal University, China), Xiaoyong Lu (Northwest Normal University, China), Dan Sun (Northwest Normal University, China), and Yimin He (Northwest Normal University, China)

Optimization and Application of Reverberation Sampling Scheme in Music Recording 320
Penghao Ren (Beijing Radio & Television Station, China) and Yilong Zhang (Communication University of China, China)

Content Analysis of the Self-Presentation of Silver Influencers on Douyin Platform 325
Linfang Qiu (Wuhan Qingchuan University, China) and Xin Wang (Wuhan Qingchuan University, China)

Design of Comprehensive Evaluation Model for pre-Service Teachers' Five-Dimensional Education Based on Machine Learning 331
Dan Sun (Northwest Normal University, China), Xiaoyong Lu (Northwest Normal University, China), Yimin He (Northwest Normal University, China), and Yuqing Qiu (Northwest Normal University, China)

Integration of Game Flow and UE4 Engine to Improve Immersive Experiences in FPS E-Sports Game 337
Guanchu Xu (Communication University of China, China), Wenjing Lu (Communication University of China, China), and Xueru Zhang (Communication University of China, China)

Human Reliability Analysis of Professional Theater Based on CREAM 341
Huiqin Wang (Communication University of China, China), Huiqi Wang (Communication University of China, China), and Hui Ren (Communication University of China, China)

A Camera Robot Pose Converter Based on Embedded System 346
Jingjie He (Beijing Institute of Petrochemical Technology, China), Pu Wang (Beijing Institute of Petrochemical Technology, China), and Jing Mi (Beijing Film Academy, China)

Fault Prediction Method of Stage Lifts Based on Digital Twin 351
Huiqin Wang (Ministry of Culture and Tourism, China), Chunxi Zhang (Ministry of Culture and Tourism, China), Zhen Li (Ministry of Culture and Tourism, China), and Mengjiao Xiao (Communication University of China, China)

A Novel Multi-Modal Recommender with Modality-Specific Graph Refining Strategy 356
Peng Yi (Communication Engineering Communication University of China, China), Zhaoxian Li (Communication Engineering Communication University of China, China), Lu Chen (Communication Engineering Communication University of China, China), Yunfei Liang (Communication Engineering Communication University of China, China), Lixiang Hou (Communication Engineering Communication University of China, China), and Cheng Yang (Communication Engineering Communication University of China, China)

The Impact of Multisensory Experience with Hotel Images on Sales 362
Haoqiang Sun (Xi'an Jiaotong University, China), Haozhe Xu (Xi'an Jiaotong University, China), Shaolong Sun (Xi'an Jiaotong University, China), Hengyun Li (The Hong Kong Polytechnic University, China), and Shouyang Wang (Chinese Academy of Sciences, China)

Research on Named Entity Recognition for Oral History Text 368
Chaoyu Hu (Communication University of China, China; Beijing Key Laboratory of Modern Entertainment Technology, China; Ministry of Culture, China), Shilei Bai (Communication University of China, China; Beijing Key Laboratory of Modern Entertainment Technology, China; Ministry of Culture, China), and Mengfei Zhang (Communication University of China, China; Beijing Key Laboratory of Modern Entertainment Technology, China; Ministry of Culture, China)

A Cross-Domain Latent Topic Model for Item Tagging and Recommendation Systems 373
Rui Tang (State Key Laboratory of Media Convergence and Communication, China) and Cheng Yang (State Key Laboratory of Media Convergence and Communication, China)

Semantic Analysis and Modeling of the Color of Stage Costume – A Case Study of "The Painting Journey" 379
Wenli Huang (Communication University of China, China), Bowen Liu (Communication University of China, China), Fang Sun (Communication University of China, China), and Shuang Wang (Communication University of China, China)

Implementation of Social Media Analysis System Based on Database Technology 384
Xiaoyue Wang (Communication University of China, China) and Xinran Ba (Communication University of China, China)

Design of a Computing Power Token Trading Platform for Government Applications 389
Ziyu Jiang (Communication University of China, China)

New Forms of Encryption art Creation and Reception in the Context of Virtual Digital from the Perspective of Metauniverse 395
Tianyi Fan (Faculty of Innovation and Design, City University of Macau, China)

A Singing Formant Extraction Method Based on Peak Fitting 400
Jingyu Liu (Communication University of China, China), Jiawei Wu (Communication University of China, China), and Wei Jiang (Communication University of China, China)

Evaluation Experiment on the Listening Experience of Classical Music with Varying Reverberation: A Case Study of Piano Music 405
Nan Gao (Communication University of China, China) and Yuejia Luo (Communication University of China, China)

Artistic Reconstruction of Images and Videos Using Multiple Elements Based on Optimization Algorithms 410
Chengcheng Zheng (Communication University of China, P. R. China) and Boqin Ma (Communication University of China, P. R. China)

Analysis and Application of Yi Embroidery Color Characteristics Based on K-Means Clustering 416
Xinjia Wang (Southeast University, China), Wei Zhou (Southeast University, China), and Jifeng Xu (Southeast University, China)

Analysis of Influence Degree of Fear Based on Different Musical Characteristics 422
Muzi Li (China Conservatory of Music, China), Zheng Long Lee (Tianjin University, China), Yee Shan Kua (China Conservatory of Music, China), Jiaxing Zhu (China Conservatory of Music, China; Beijing Jiaotong University, China), and Yilun Huang (China Conservatory of Music, China)

Piano Concerto Source Separation Based on Speech Separation and Channel Attention 428
Jingyu Liu (Communication University of China, China), Jingjing Zhou (Communication University of China, China), Xinyan He (Communication University of China, China), and Wei He (Communication University of China, China)

An Acoustic Dataset Construction Method of Chinese National Musical Instrument Guqin 434
Jingyu Liu (Communication University of China, China), Chen Yang (Communication University of China, China), Zijing Li (AI music and Music Information Technology Department, China), and Wei Jiang (Communication University of China, China)

Architectural Color Image Scale Computing of Beijing Forbidden City 440
Bowen Liu (Communication University of China, China), Wenli Huang (Communication University of China, China), Xiumeng Yu (Communication University of China, China), Zongliu Ma (Communication University of China, China), Ziyi Guo (Communication University of China, China), Shuang Wang (Communication University of China, China), and Wei Jiang (Communication University of China, China)

Exploratory Practice in Digital Theatre: Definitions, Classifications, Production Logic, and Challenges 446
Ming Ma (Beijing Dance Academy, China), Yuping Kang (Beijing Dance Academy, China), and Yajiao Cai (Beijing Dance Academy, China)

A Social Network Analysis of Musician Co-creation on Digital Platform 451
Manlin Wang (Communication University of China, China) and Ting Jiang (Beihang University, China)

A Novel Design Method of Tujia Brocade Patterns under Semantics of Expandability 456
Xinyi Cheng (Hubei University of Technology, China) and Yue Mi (Hubei University of Technology, China)

Author Index **461**