

Liu Huiming



Position: Assistant Professor
Faculty: Faculty of Humanities and Arts
Email Address: hmliu@must.edu.mo
Telephone: (853) 8897-3049
Fax No.: (853) 2882-0091
Office: R614
Mailing Address: Macau University of Science and Technology,
100-406 Avenida Wai Long, Taipa, Macau
Social media: [Linkedin](#), [Google Scholar](#)

Teaching and Research Areas:

- ♦ Urban and Environmental Design
- ♦ Public Health, Emotion, and Mental Health in Urban Space
- ♦ Application of Smart Technologies in Urban Place

Academic Qualifications

2009 – 2019 M.A.& Ph.D / Urban Design / Oxford Brookes University
2003 – 2007 B.A. / Artistic Design (Landscape Architecture) / Shaanxi University of Science and Technology

Teaching Experiences

2022 - Present Assistant Professor / Faculty of Humanities and Arts / Macau University of Science and Technology
2025 - Present Global Research Associate / Global Center for Healthcare and Urbanisation / Kellogg College / University of Oxford
2024 - Present Consultant / Peking University Planning and Design Institute
2021 - 2022 Lecturer / Department of Environmental Design / Beijing University of Technology
2020 - 2021 Research Assistant Professor / Laboratory for Future City / School of Urban Planning and Design / Peking University
2020 - 2021 Project Principal / Planning & Design Institute of Peking University / Peking University
2007 - 2008 Landscape Architect / Department of Landscape and Planning/ Beijing Institute of Architectural Design

Representative Publications

Journal Articles (* represent Corresponding Author):

1. **Huiming Liu***, Junying Yan, Chaoyi Cui, Xinmu Ren, Yongxi Gong and Yifan Li* (2026) Sensory-Spatial

Pathways to Risk Perception in Temporary Nighttime Urban Events: The Mediating Roles of Lighting Quality and Perceived Crowding, *Humanities and Social Sciences Communications* [SSCI Q1 IF:4.8]
DOI: <https://doi.org/10.1057/s41599-026-08551-8>

2. **Huiming Liu**, Junying Yan, Fangqi Zeng, Ke Fang and Chaoyi Cui* (2026) Experiencing Temporary Urban Events with Auditory and Olfactory Sources: Assessing the Emotional Satisfaction in Dense-Populated Urban Environment, *Frontiers of Architectural Research* [AHCI IF:4.4]
DOI: <https://doi.org/10.1016/j.foar.2026.05.012>
3. **Huiming Liu**, Xuechun Wang, Georgia Butina Watson, Zujie Cai, Chaoyi Cui*, Junying Yan* (2026) Visual and Olfactory Perceptions in Temporary Urban Events: Impacts on Crowd Perception and Affective Responses in High-Density Urban Space, *Frontiers of Architectural Research* [AHCI IF:4.4]
DOI: <https://doi.org/10.1016/j.foar.2026.04.019>
4. **Huiming Liu***, Chaoyi Cui, Yongxi Gong, Shiji Jian* (2026 Forthcoming) Psychological Comfort as Key: Enhancing Creativity and Study Efficiency in Informal Learning Spaces, *Humanities and Social Sciences Communications* [SSCI Q1 IF:4.8]
DOI : <https://doi.org/10.1057/s41599-026-08012-2>
5. Kezhou Ren, Meihan Jin, **Huiming Liu**, Mengwei Xin, Yongxi Gong* and Yu Liu (2026) Discovering Cyclists' Street Visual Preferences from Shared Bike Trajectories and Street View Images Using XAI-Enhanced Inverse Reinforcement Learning, *IEEE Transactions on Intelligent Transportation Systems*, 1-17. [SCIE Q1 IF:9.1]
DOI : <https://doi.org/10.1109/TITS.2026.3699424>
6. Bin Li, **Huiming Liu**, Kaihan Yang, Long Zhou, Huajie Yang and Hong Zhu (2026) Regional Resilience and Governance Modes: Two Great Transformations of Dongguan in China's Post-1978 Reform Era, *Cities*, 176, 107141 [SSCI Q1 IF:7.0]
DOI: <https://doi.org/10.1016/j.cities.2026.107141>
7. **Huiming Liu***, Wensen Huang, Georgia Butina Watson, Yongxi Gong, Chaoyi Cui1* and Yueyang Han (2026) Revealing Walking Experiences for Shading based Gendered Perceptions of Thermal Comfort in a Hot City, *International Journal of Biometeorology*, 70, 149 [SCIE Q2 IF:3.0]
DOI : <https://doi.org/10.1007/s00484-026-03207-3>
8. **Huiming Liu**, Ying Wang, Qianchen He, Xuechun Wang*, Chaoyi Cui and Yongxi Gong (2025) Assessing the Restorative Effects of Campus Green Spaces on Student Depression: A Comparative Study Across Three Distinct University Campus Type, *BMC Public Health*, 25 (1) 907. [SSCI Q1 IF:3.5]
DOI : <https://doi.org/10.1186/s12889-025-21356-9>
9. Xuechun Wang*, Bo Xia, Qing Chen, Martin Skitmore and **Huiming Liu** (2025) Exploring public attitudes of CCRCs in China: A sentiment analysis of China's social media Weibo, *Frontiers in Public Health*, 12, 1454287 [SSCI Q2 IF:3.0]
DOI: <https://doi.org/10.3389/fpubh.2024.1454287>
10. Yuan Zhang*, Yining Meng, Xiao-Jian Chen, **Huiming Liu** and Yongxi Gong (2025) The Nonlinear Effect of the Built Environment on Bike–Metro Transfer in Different Times and Transfer Flows Considering

Spatial Dependence, Sustainability, 17 (1), 251. [SSCI Q2 IF:3.3]

DOI: <https://doi.org/10.3390/su17010251>

11. Shiji Jian and **Huiming Liu*** (2025) Psychological Comfort, Creativity, and Learning Efficiency in Informal Learning Spaces: A University Student Dataset, Data in Brief. [ESCI Q3, IF:1.0]
DOI : <https://doi.org/10.1016/j.dib.2025.111450>
12. Chaoyi Cui, Qianchen He and **Huiming Liu*** (2025) Depression Restoration in University Students: Data-Driven Insights Across Three Types of Campus Greenness, Data in Brief. [ESCI Q3, IF:1.4]
DOI : <https://doi.org/10.1016/j.dib.2025.111831>
13. Chaoyi Cui and **Huiming Liu***. (2024) Reclaim of Urban Street Image in Toronto – Intervention of Public Art Strategies Based on Sense of Place, Art Observation, (12), 122-124. [CSSCI]
DOI: <https://doi.org/10.3969/j.issn.1006-8899.2024.12.023>
14. Yifan Li, Xushen Chen*, Junzhe Wan, **Huiming Liu**, Wei Cui, and Qianqian Wang (2024) Research of urban renewal potential of old urban areas in developing countries' resource-based cities: Based on quantitative analysis of multi-source data in Dongsheng District, Ordos, Buildings, 14, 3065. [SCIE/EI Q2 IF:3.1]
DOI: <https://doi.org/10.3390/buildings14103065>
15. Qing Liu, Huixuan Zhang, Bin Li, and **Huiming Liu*** (2023) A Study of Principal-Agent Model Based Spatial Form Differentiations in Urban Villages in Shenzhen, China, Modern Urban Research, (9), 37-42. [Chinese Core]
DOI: <https://doi.org/10.3969/j.issn.1009-6000.2023.09.006>
16. **Huiming Liu**, Bin Li, Qing Liu*, Yifan Li, Jing Zhao, Xuechun Wang, Chaoyi Cui and Shaoting Zeng. (2023) What Do Local People Really Need from a Place? Defining Local Place Qualities with Assessment of Users' Perceptions, International Journal of Environmental Research and Public Health, 20 (2), 1269. [SSCI/SCIE Q1 IF:4.614]
DOI: <https://doi.org/10.3390/ijerph20021269>
17. Bin Li, Kaihan Yang, Konstantin E. Axenov, Long Zhou and **Huiming Liu***(2023) Trade-Offs, Adaptation and Adaptive Governance of Urban Regeneration in Guangzhou, China 2009–2019, Land, 12 (139). [SSCI Q2 IF:3.905]
DOI: <https://doi.org/10.3390/land12010139>
18. **Huiming Liu** and Bin Li* (2021) Changes of Spatial Characteristics: Socio-cultural Sustainability in Historical Neighborhood in Beijing, China, Sustainability, 13 (11). [SSCI Q2 IF:3.889]
DOI: <https://doi.org/10.3390/su13116212>

Academic texts:

- **Huiming, Liu*** (2019) Locally Responsive Public Open Space Design: Special Reference to Beijing, China, Oxford: Oxford Brookes University, United Kingdom.
DOI: <https://doi.org/10.24384/jkrz-h035>

Conference Presentations and Proceedings:

- **Huiming, Liu** (2025) Sensory Experiences of Temporary Urban Events, present at Can Temporary Use of Urban Spaces Improve Urban Health and Well-being? University of Oxford, 30-June-2025, Oxford, United Kingdom
- **Huiming, Liu** (2023) Creative design as opportunities to rethink “food action accelerates climate action”, present at *The United Nations World Food Forum (WFF) 2023 – Creative Design on “food action accelerates climate action”*, Macau University of Science and Technology, 19-October-2023, Macau
- **Huiming, Liu** (2023) Organic regeneration from residents’ perspective: Community-led space transformation within housing blocks from COVID-19 in Shenzhen, China, present at *The United Nations Habitat Professionals Forum (UNHPF) - International Recovery Series on Proposition 3*, University College London (UCL), 25-July-2023, London, United Kingdom
- **Huiming, Liu** (2017) Locally responsive public space design, special reference to Beijing, present at *TDE Postgraduate Research Student Conference*, May, Oxford, United Kingdom
- **Huiming, Liu** (2015) Local responsiveness of public space, present at *TDE Postgraduate Research Student Conference*, May, Oxford, United Kingdom
- **Huiming, Liu** (2014) Are there any transferable lessons of public open spaces from historical living area can be learn and apply for future local public space design in Beijing? present at *Annual UK-Ireland Planning Research Conference*, University of Oxford, 09-September-2014, Oxford, United Kingdom

Research Grants/Projects

2026 - Ongoing	PI	Consultancy on the Conceptual Redevelopment Plan for Designated Parcels in Xianglingtou, Yandang Mountain / Funded by Peking University Planning and Design Institute [HQ-26-006-FA]
2025 - 2026	PI	Sustainable Urban Tourism through Spatial Sensory Experiences and Risk Perception in Temporary Nighttime Events / Macau University of Science and Technology Faculty Research Grant (General Research Grants, GRFs) [FRG-25-065-FA]
2025 - 2026	Key Participant	Improving the Living Environment for “Aging in Place”: Policy Hotspots and Trends of National Community-Based Home Care (2000–2025) with Shanxi Province as a Case Study / Shanxi Province Major Project for Public Administration [SXSGGGLQN2523]
2025 - 2026	PI	Sensory Dynamics in Temporary Urban Events: Advancing Public Health and Social Sustainability, Funded by GCHU, University of Oxford / 10,000.00 GBP
2024 - 2025	Key Participant	Research on Urban Public Arts Policy, Funded by Central Academy of Fine Arts [9041]
2023 - 2025	PI	Transitions of Living Patterns and Transforming Socio-commercial uses in Residential Building through Impacts of Covid-19, Funded by Macau University of Science and Technology Faculty Research Grant (General Research Grants, GRFs) [FRG-23-002-FA]
2023	Key Participant	Development of International Framework for Participatory Democracy under United Nations Habitat Professionals Forums Proposition 3, University College London (UCL)

Research Grant

2020 - 2022	PI	Research project of urban design guidance in the central urban area of Suide City Funded by Suide Bureau of Natural Resources and Planning
2020	Key Participant	Eco-Protection and Planning Criterion Research: Detailed Planning Research in Territory Spatial Planning System / Funded by Guangzhou Urban Planning and Research Center
2020	Key Participant	Detailed Planning Research in Territory Spatial Planning System in Guangdong Province / Funded by Department of Natural Resources of Guangdong Province

Practice Projects

2024 - Ongoing	Comprehensive Cityscape-Specific Plan of Xinji City Funded by Xinji Bureau of Natural Resources and Planning
2024 - Ongoing	Comprehensive Urban Design Masterplan for Puer City Funded by Puer Bureau of Natural Resources and Planning
2022 - 2023	Urban Design Masterplan for the New Urban District and Key Areas of Jiuquan City Funded by Jiuquan Bureau of Natural Resources and Planning
2022 - 2024	Conceptual Urban Design Masterplan and Detailed Planning for Jingtai City and South New District Funded by Jingtai Bureau of Natural Resources and Planning
2020 - 2022	Suide Territory Spatial Planning 2020-2035 Funded by Suide Bureau of Natural Resources and Planning
2007	Landscape Design for Minzu Avenue, Beijing 2008 Beijing Olympic Game National Key Design Project
2007	Landscape Design for the Main Olympic Venues, Beijing 2008 Beijing Olympic Game National Key Design Project
2007	Beijing Olympic Park Landscape Design, Beijing 2008 Beijing Olympic Game National Key Design Project
2007	China National Convention Center Landscape Design

Academic and Professional Positions

- Journal of Urban Management [JCR Q1 - 10/86 in Urban Studies | IF: 5.6]: Editorial Board Member
- Humanities and Social Sciences Communications [JCR Q1 – 9/275 in Social Sciences, Interdisciplinary | IF: 4.8]: Editorial Board Member
- UK Royal Town Planning Institute [RTPI]: Member & Professional Mentor
- US American Institute of Architect [AIA]: Associate Member
- Peking University Planning and Design Institute: Academic Consultant
- The United Nations World Food Forum (WFF) 2023 – Creative Design on “food action accelerates climate action” (Macau Session): Chair & Coordinator
- “Can Temporary Use of Urban Spaces Improve Urban Health and Well-being?” Hosted by University of Oxford (2025): Chair & Coordinator