



# Weiye, Wang

Position: Lecturer  
Faculty: Faculty of Humanities and Arts  
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## Teaching and Research Areas

Environmental Behavior and Affordance-Based Design, Environmental Psychology, Pedestrian Systems in Urban Public Spaces, Landscape Planning and Spatial Design

## Education

2016 – 2025 Ph.D. in Environmental Planning and Design, University of Georgia, USA

2014 – 2016 Master of Landscape Architecture, University of Georgia, USA

2010 – 2014 Bachelor of Landscape Architecture, Nanjing Forestry University, China

## Employment:

2025 – Present Lecturer, Faculty of Humanities and Arts, Macau University of Science and Technology

2016 – 2018 Assistant, Carl Vinson Institute of Government, University of Georgia

## Research Projects

**Ph.D. Dissertation:** *Affordance-Based Design of Chinese Pedestrian Streets: A Matrix Approach to Analyzing Environment-Behavior Interaction*

- Developed a framework of environmental attributes and affordances for pedestrian streets through literature review
- Conducted behavior observations at representative Chinese pedestrian streets
- Constructed a matrix to record interaction between spatial elements and affordance behaviors
- Applied quantitative analysis to identify design patterns that support user behavior

- Findings provide design and policy recommendations for improving urban public spaces

**Master's Thesis:** *Using Radar Charts to Evaluate Laws' Influence on Brownfield Aesthetics: A Comparative Study of the U.S. and China*

- Investigated how legislation directly or indirectly affects brownfield aesthetics in both countries
- Identified three key influencing factors: remediation process, design process, and public participation
- Used radar charts to evaluate six case studies (four in the U.S., two in China)
- Provided legal and design recommendations for future brownfield redevelopment projects in both contexts