



Chunlin Bian (边春霖)

PH.D. CANDIDATE IN ARCHITECTURE · TONGJI UNIVERSITY

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"Self-Discipline and Social Commitment."

Research Summary

Ph.D. candidate at Tongji University focusing on **seismic resilience**, **urban renewal**, and **digital twins** of the built environment. Experienced in **InSAR/EO** data analysis, AI-based evacuation modeling, and resilient landscape planning. ORCID: 0000-0002-6585-5363.

Education

- **Ph.D. Candidate in Architecture**, Tongji University, Shanghai, China 2021 – Present
Supervisor: Prof. Menggang. Topic: Data-driven seismic resilience and digital methods.
- **M.Sc. in Landscape Architecture**, Peking University, Beijing, China 2008 – 2010
- **B.Sc. in Landscape Architecture**, Sichuan Agricultural University, Chengdu, China 2003 – 2007
- **Visiting Scholar**, Massey University, New Zealand 2018

Academic & Professional Experience

Lecturer, Xichang University, 2016 – Present, Xichang, China
Teaching and research in architecture, urban design, resilience planning, and heritage conservation.

Director of Urban Design, Urban Management Bureau of Panzhihua, 2015 – 2016, Panzhihua, China

Planner, Zhejiang University Planning Institute, 2013 – 2015, Hangzhou, China

Selected Research Projects (with IDs & funding)

- **Urban Subsidence Monitoring in Xichang Based on InSAR** —PI, No. 18YYJS0107, ¥150,000 (2018–2021)
- **Surface Deformation Detection and Application in Central Liangshan** —Co-PI, No. 2018GZ0499, ¥200,000 (2018–2021)
- **Landscape Ecological Security Pattern of Xichang** —PI, No. 17ZB0399, ¥40,000 (2017–2019)
- **BIM–GIS Integration for Industrial Heritage Protection in Panzhihua** —PI, No. SC_FQWLY201409, ¥30,000

Selected Publications

- **A Study on the Construction of Smart, Therapeutic, and Resilient Landscapes in Southwest China.** *Architecture & Culture*, 2025 (Accepted, Nov).
- **Spatial Reproduction of Future Communities: Case of Jiaxing Hongqiao.** *Housing Science & Technology*, 2025.
- **Digital Healing Power and the Medical Metaverse.** *Building and Environment*, under review.

Books & Monographs

- *Ecological Urbanism*. Huazhong University of Science & Technology Press, 2015 (Co-editor/Contributor).

- *Observation and Reflection on Land and Society*. Higher Education Press, 2011 (Contributor).

Patents & Software Copyrights

- Miniaturized Bi-directional Planar Radar Corner Reflector —ZL 2021 2 0633917.0
- Rocker-type Corner Bracket for Radar Reflector —ZL 2021 2 3275569.9
- Terrain 3D Reconstruction Software (Interferometric Phase) V1.0 —2021SR0882358

Honors & Awards

- Young Geographers Award –Best Paper, 15th Korea–China–Japan Joint Conference on Geography, 2023
- Dean’ s Scholarship, Peking University Shenzhen, 2009
- 1st Prize, Jiaxing Northern Wetland Conceptual Planning Competition, 2012
- Excellence Award, “Oriental Landscape Cup” Tourism Planning Competition, 2013
- 3rd Prize, “High-Resolution Cup” Smart Tourism Innovation Competition, 2019
- Excellent Instructor, Sichuan Landscape Architecture Education Committee, 2020

Skills

Technical Python; ArcGIS/QGIS; Google Earth Engine; Remote Sensing (InSAR/EO); Digital Twin Modeling
Languages Chinese (Native); English (Professional working proficiency)