LIN ZHOU(http://www.linzhou.online/)

Ph.D.

Chair of Land Management and Geospatial Science Technical University of Munich, Germany Arcisstraße 21, 80333 München

Email: lin.zhou@tum.de;

Visiting Scholar

Department of Land Economy/CEENRG University of Cambridge, United Kingdom Pembroke St, Cambridge CB2 3QZ United Kingdom lz470@cam.ac.uk

Last updated: May 8, 2024

EDUCATION

| 2020-2024 | Ph.D. in Land Management and Geospatial Science — Commons Governance | | |
|-----------|--|-------------------------|--|
| | Technical University of Munich, Munich, Germany (Supervisor: Prof. Walter Timo de Vries) | | |
| 2015-2018 | MSc in Geography — Urban and Regional Planning Peking University, Beijing, China (Supervisor: Prof. Jian Lin) | GPA:90.8/100 | |
| 2011-2015 | BPA in Public Policy — Land Resource Management | GPA:90.4/100 (Top Rank) | |
| | nlei Ma) | | |

Short-term Program

| 2023 | Visiting Scholar — Department of Land Economy University of Cambridge, Cambridge, United Kingdom (Supervisor: Prof. Andreas Kontoleon) | |
|------|---|--|
| 2019 | Research Assistant — School of Urban Planning and Design Peking University Shenzhen Graduate School, Shenzhen, China (Supervisor: Prof. Wenjia Zhang) | |
| 2017 | Exchange Student — Department of Land Economics National Chengchi University, Taiwan, China (Supervisor: Prof. Taiming Ben) GPA:92.5/100 | |

RESEARCH INTERESTS

Computational Sociology, Public Policy, Multi-stakeholder Interest Game, Community Planning, Megaregion and City Network, Spatial Equity

TEACHING EXPERIENCES

Teaching Assistant: Social Network Analysis

Teaching Assistant: Big Data, Machine Learning, and Urban Planning & Design

Fall 2018

PUBLICATIONS

Peer-reviewed Journal Articles

- Zhou, L.*, Zhou, Y., de Vries, W.T., Liu, Z., Sun, H.(2024) Collective Action Dilemmas of Sustainable Environmental Management: A Case Study on Land Marketization in Rural China. *Journal of Cleaner Production*, 140872. https://doi.org/10.1016/j.jclepro.2024.140872
- 2. Liu, Z.*, Fang, C., Li, H., Wu, J., **Zhou, L.**, & Werner, M. (2024). Efficiency and equality of the multimodal travel between public transit and bike-sharing accounting for multiscale. *Sustainable Cities and Society*, 101, 105096. https://doi.org/10.1016/j.scs.2023.105096
- 3. **Zhou, L.***, de Vries, W. T., Panman, A., Gao, F., & Fang, C. (2023). Evaluating Collective Action for Effective

- Land Policy Reform in Developing Country Contexts: The Construction and Validation of Dimensions and Indicators. *Land*, 12(7), 1401. https://doi.org/10.3390/land12071401
- 4. Gao, F., Du, Z.*, Fang, C., **Zhou, L.,** Werner, M. (2022). A spatial-temporal cognitive framework for individual route choice in outdoor evacuation scenario. *ISPRS International Journal of Geo-Information*,11,605. https://doi.org/10.3390/ijgi11120605
- **5. Zhou, L.*,** & de Vries, W. T. (2022). Collective Action for the Market-Based Reform of Land Element in China: The Role of Trust. *Land*, 11(6), 926. (Feature Paper) https://doi.org/10.3390/land11060926
- **6.** Zhang, W., Xie, S., Zhao, P., Zhao, Y., Yin, J. (2022). Spatial Analysis Methodology and Application Research of Village and Town Settlements. Beijing: Science Press. (Book) (Principal author of Chapter 9)
- 7. **Zhou, L.**, Zhang, W.*, Fang, C., Sun, H., & Lin, J. (2020). Actors and network in the marketization of rural collectively-owned commercial construction land (RCOCCL) in China: A pilot case of Langfa, Beijing. *Land Use Policy*, 99, 104990. https://doi.org/10.1016/j.landusepol.2020.104990
- 8. Zhang, W.*, Fang, C., **Zhou, L.,** & Zhu, J. (2020). Measuring megaregional structure in the Pearl River Delta by mobile phone signaling data: A complex network approach. *Cities*, 104, 102809. https://doi.org/10.1016/j.cities.2020.102809
- 9. Lin, J.*, **Zhou, L.**, Du, C. (2018). Strategy Thinking on Using Land for Collective Construction from Perspective of Rural Revitalization [J]. Agricultural Economics and Management, (05):5-10. https://doi.org/10.3969/j.issn.1674-9189.2018.05.001
- 10. Lin, J.*, **Zhou, L.**, Zhang, Y.,Ye, Z. (2017). Review of the Development of Land Use Science in Recent Three Decades -On the Possibility of this Discipline Being a Secondary Discipline and the Originality of China's Land Use Research[J]. China Land Sciences, 2017,31(09):24-33. https://doi.org/10.11994/zgtdkx.20171027.155240
- 11. Lin, J.*, Zhang, Y., **Zhou, L.**, Ye, Z. (2017). Review of the Development of Land Use Science in Recent Three Decades -On the Possibility of this Discipline Being a Secondary Discipline and the Originality of China's Land Use Research [J]. China Land Sciences, 31(10):15-22+97. https://doi.org/10.11994/zgtdkx.20171027.155240
- 12. Lin, J.*, Fu, M., Qiao, Z., **Zhou, L.**, Li, J.(2016). Progress Review on Land Science Research in 2015 and Prospects for 2016: Sub-report of Land Resources and Land Use Planning[J]. China Land Sciences, 2016,30 (03):78-87. https://doi.org/10.11994/zgtdkx.20160317.142815
- 13. **Zhou, L.*** (2014). Spatial and Temporal Differences Analysis of Urban Land Intensive Use Based on 'Land Consumption' Index—A Case Study of Main Functional-oriented zones[J]. *Journal of Anhui Agricultural Sciences*, 24:8374-8376.
- 14. **Zhou, L.*** (2014). Effects of Economic Development Level on Agricultural Plastic Film Pollution Treatment [J]. *Journal of Anhui Agricultural Sciences*, 19:6353-6355.https://doi.org/10.13989/j.cnki.0517-6611.2014.19.089
- 15. Ma, X., **Zhou, L.**, Zhao. A.* (2014). Sustainable Urban Land Intensive Use Evaluation and Its Impacting Factors—A Modification of Traditional Land Intensive Use. *China Land Sciences*, 12:32-38. https://doi.org/10.13708/j.cnki.cn11-2640.2014.12.005
- Tang, Y., Zhou, L., Guan, C.* (2014). Changes and Policy Choices of Housing Security System in China-A Literature Review. *Chinese Public Administration*, 08:97-100.https://doi.org/10.3782/j.issn.1006-0863.2014.08.22

Articles Under Review

17. Zhou, L.*, de Vries, W.T., Guo, G., Gao, F., Fang, C. The Role of Voluntary Collective Action in Rural Land

- Sustainable Development. (the 2nd round revision to Habitat International).
- 18. Zhang, W., Li, Y., **Zhou, L.***, Fang, C. Quasi-experimental analysis of COVID-19 impacts on older adults' travel behavior: Implications for age-friendly neighborhood planning. (the 2nd round revision to **Journal of Planning Education and Research**).
- 19. Fang, C., Gu, X., **Zhou, L.***, Zhang, W., Liu, X., Liu, S. Exploring Spatial Complexity: Overlapping Communities in South China's Megaregion with Big Geospatial Data. (the 2nd round revision to Computers, Environment and Urban Systems).
- 20. Zhang, W., Geng, Y., **Zhou, L.**, Fang, C.* Associations between online and offline shopping and travel behaviors before and after the outbreak of COVID-19. (the 2nd round revision to **Transportation Research Part A**).
- 21. **Zhou, L.**, Gu, X., Fang, C.* Optimizing Rural Settlement Space Patterns through Webometrics Approach. (Under review in *Habitat International*).
- 22. Fang, C., Chen, R., **Zhou, L.*** Comparing Variant Megaregional Complex Networks in the China Great Bay Area- A Multi-Scale Analysis Based on Mobile Phone Signaling Data. (Under review in *Applied Geography*).
- 23. Fang, C., Liu, S., **Zhou, L.***, Chen, R., Werner, M. HDCBC: A Robust Clustering Algorithm for Data with Noise, Heterogeneous Densities, and Weak Connectivity. (Under review in *International Journal of Geographical Information Science*).
- 24. Feng, Y., Fang, C., Song, P., **Zhou, L.**, Xu, X., Wang, K., He, R., Guo, N., Tian, G., Ge, S. * Valuing the carbon neutrality potential of the city itself: a study of green space at a city-block-scale in an ancient Chinese city. (Under review in *Environmental Research*).

RESEARCH EXPERIENCE

Peer-reviewed Presented Conference

- 1. The 7th Workshop on the Ostrom Workshop (WOW7) conference, Indiana University, Bloomington, USA, June 19-21, 2024 (accepted)
- 2. International Research Society for Public Management, Tampere, Finland, April 16-18, 2024 (accepted)
- 3. 18th Annual Planning, Law, and Property Rights (PLPR) Conference 2024, Munich, Germany, March 18-22, 2024
- 4. Cambridge Centre for Environment, Energy and Natural Resource Governance (CEENRG) Seminar, Cambridge, United Kingdom, October 26, 2023
- 5. International Workshop on Geography and Sustainability 2023, Beijing, China, October 26-29, 2023
- 6. Green Sustainable Development Forum, Cambridge, United Kingdom, August 25, 2023.
- 7. The Commons We Want: Between Historical Legacies and Future Collective Actions, XIX Biennial IASC Conference, Nairobi, Kenya, June 19-24, 2023.
- 8. Overview Publications and Research in Land Management Session 2022-2023, Munich, Germany, October 24, 2022-January 30,2023
- 9. 13th PostDoc and PhD seminar of DGK Section Land and Real Estate Management in Dresden, Germany, June 29-30, 2022.
- 10. (Post-)doctoral colloquium on land management and spatial development, Bonn, Germany, November 18-19, 2021.

- 11. Optimizing territorial and spatial planning: Principles, Method, and Application, Wuhan University, Wuhan, 2018.
- 12. The 25th Land Academic Seminar on Both Sides of the Taiwan Strait, Taipei, 2016.
- 13. Global Chinese Real Estate Congress 2014 Annual Conference, Nanjing University, Nanjing, 2014.
- 14. The Eighth Session of Symposium of Land in Cross-Strait, National Chengchi University, Taipei, 2014.

Project Experience

- 1. The Evolution and Mechanism of the Guangdong-Hong Kong-Macao Greater Bay Area Pattern from the Perspective of Big Data and Complex City Networks
- 2. Spatial Reconstruction of Villages and Towns Settlement--Digital Simulation and Evaluation Model
- 3. Development Strategy of Collective Construction Land in Key Towns
- 4. Land Space Planning in Shandong Province
- 5. Land Urbanization Quality Evaluation in Liaoning Province
- 6. Analysis of Regional Difference of Urban Land Use Intensity Based on Land Consumption Index
- 7. The Impact of Economic Development Levels on the Use of Agricultural Plastic Film
- 8. Evaluation of Intensive Land Use in Lhasa Development Zone
- 9. Key Reviews on Land Science Research
- 10. Project on the Analysis of Ecological and Environmental Impacts of Land Use Change

AWARDS & HONORS

| National Fellowship (0.4%, 1/245) | Postgraduate Scholarship of Peking University | |
|--|---|--|
| University-level Outstanding Graduates | First Class Scholarship for Merit Student | |
| Top Ten Students of the University (0.1%, 1/976) | Outstanding Student Leader | |
| First Class Scholarship for Merit Student | Jiangyin Pivot Scholarship | |
| State-level Student Research Training Project Certificate | Credit Reward Certificate [/ II / III | |
| University-level Student Research Training Project Certificate | Star of Scientific Research | |
| Outstanding Member of the Communist Youth League | University-level Excellent League Member | |
| Outstanding Undergraduate Graduation Thesis | University-level Outstanding Student Cadres | |

SERVICE AND LEADERSHIP

Daar Daviery Couriese

| <u>Peer Review Services</u> | | | |
|-----------------------------|--|-------|--|
| 1. | Peer Reviewer of Cities | 2024- | |
| 2. | Peer Reviewer of Resources Policy | 2023- | |
| 3. | Peer Reviewer of Computational Urban Science | 2023- | |
| 4. | Peer Reviewer of Humanities & Social Sciences Communications | 2023- | |

Professional and Scholarly Affiliation

- 1. Member of the International Academic Association on Planning, Law, and Property Rights (PLPR)
- 2. Membership of International Association for the Study of the Commons (IASC)
- 3. Member of IASC Early Career Network
- 4. Member of China-America Association for Public Affairs (CAAPA)

Leadership Experience

- 1. 'Challenge Cup' National College Student Curricular Academic Science and Technology Works Competition (Second Prize at National Level)
- 2. 'Challenge Cup' College Student Curricular Academic Science and Technology Works Competition (First Prize at Provincial Level)
- 3. 'Challenge Cup' College Student Curricular Academic Science and Technology Works Competition (First Prize at University Level)
- 4. National-Level Student Research Training Project: Analysis of Regional Difference of Urban Land Use Intensity Based on Land Consumption Index (No.201310307054) (0.6%) (PI)
- 5. Research topic: Effects of Economic Development Level on Agricultural Plastic Film Pollution Treatment
- 6. Mathematical Contest in Modeling Competition (Second Prize at University Level)
- 7. Three dimensional Environmental Protection Creative Competition (Second Prize at University Level)
- 8. Network Simulation Operation Competition (Third Prize at University Level)
- 9. The 4th Humanities and Social Science Knowledge Competition (Excellence Award at provincial level)

REFERENCES AVAILABLE UPON REQUEST

Potential Referees (alphabetically sorted)

Prof. Andreas Kontoleon, University of Cambridge (ak219@cam.ac.uk)

Prof. Bing Zhu, Technical University of Munich (b.zhu@tum.de)

Dr. Daoping Wang, King's College London, (daoping.wang@kcl.ac.uk)

Prof. Guancheng Guo, Nanjing Agricultural University (ggc@njau.edu.cn)

Prof. Helen X.H. Bao, University of Cambridge (hxb20@cam.ac.uk)

Prof. Jian Lin, Peking University (jlin@urban.pku.edu.cn)

Prof. Jing Meng, University College London (jing.j.meng@ucl.ac.uk)

Prof. Liqiu Meng, Technical University of Munich (<u>liqiu.meng@tum.de</u>)

Prof. Ning Zhang, Shandong University at Weihai; University of Cambridge (zn928@naver.com)

Prof. Shimou Yao, Chinese Academy of Sciences (Wechat: wxid lgr48lgtzh5d22)

Prof. Shougeng Hu, China University of Geosciences (Wuhan) (husg2009@gmail.com)

Prof. Walter Timo de Vries, Technical University of Munich (wt.de-vries@tum.de)

Prof. Wenjia Zhang, Peking University Shenzhen Graduate School (zhangwj@pkusz.edu.cn)

Prof. Xianlei Ma, Nanjing Agricultural University (maxianlei@njau.edu.cn)