



Name : Haoliang Chang
Title : Assistant Professor
Office : L604
Tel. : 66931959
Email : hlchang@must.edu.mo



Academic Qualifications

- PhD in Systems Engineering, Department of Systems Engineering / City University of Hong Kong
- MSc in Statistics and Operational Research, School of Mathematics / University of Edinburgh
- BSc in Statistics, School of Mathematics and Information Science / North Minzu University

Teaching Areas

- BCOM012 Management Information System
- BCOM105 Electronic Commerce

Areas of Research Expertise

Transport Safety, Urban Sustainable Development

Working Experience

- Jan 2026 – Present, Assistant Professor, School of Liberal Arts / Macau University of Science and Technology
- Nov 2024 - Feb 2025, Postdoctoral Researcher, Department of Urban Planning and Design / Faculty of Architecture / The University of Hong Kong
- Aug 2022 - Aug 2024, Postdoctoral Researcher, Guangzhou HKUST Fok Ying Tung Research Institute; Innovation, Policy and Entrepreneurship / Society Hub / The Hong Kong University of Science and Technology (Guangzhou)

Publications

(Journal Articles/Books/Monographs/Book Chapter /Conference Proceedings)

Journal Articles

- **Chang, H.**, He, Y., Chu, C., & Huang, J*. (2026). Do car-free initiatives enhance urban diversity? Causal evidence from CicLAvia in Los Angeles. *Cities*, 171, 106754. <https://doi.org/10.1016/j.cities.2025.106754>. [SSCI, CAS Q1, JCR Q1]
- **Chang, H.***, Xu, C. K., & Tang, T. (2024). Investigating the temporal dynamics of motor vehicle collision density patterns in urban road networks—a case study of New York. *Journal of safety research*, 89, 116-134.



- <https://doi.org/10.1016/j.jsr.2024.02.009>. [SSCI, CAS Q2, JCR Q1]
- **Chang, H.***, Li, L., Huang, J., Zhang, Q., & Chin, K. S. (2022). Tracking traffic congestion and accidents using social media data: A case study of Shanghai. *Accident Analysis & Prevention*, 169, 106618. <https://doi.org/10.1016/j.aap.2022.106618>. [SSCI, CAS Q1, JCR Q1]
 - **Chang, H.**, Huang, J., Yao, W., Zhao, W., & Li, L*. (2022). How do new transit stations affect people's sentiment and activity? A case study based on social media data in Hong Kong. *Transport Policy*, 120, 139-155. <https://doi.org/10.1016/j.tranpol.2022.03.011>. [SSCI, CAS Q1, JCR Q1]
 - Hao, T., **Chang, H.**, Liang, S., Jones, P., Chan, P. W., Li, L., & Huang, J*. (2023). Heat and park attendance: Evidence from “small data” and “big data” in Hong Kong. *Building and Environment*, 234, 110123. <https://doi.org/10.1016/j.buildenv.2023.110123>. [SCIE, CAS Q1, JCR Q1]
 - Huang, J., Cui, Y., **Chang, H.**, Obracht-Prondzyńska, H., Kamrowska-Zaluska, D., & Li, L. (2022). A city is not a tree: A multi-city study on street network and urban life. *Landscape and Urban Planning*, 226, 104469. <https://doi.org/10.1016/j.landurbplan.2022.104469>. [SCIE, CAS Q1, JCR Q1]

Research Grants

- 2026.01 – 2029.12, Major Project Participant, General Program of National Natural Science Foundation of China (NSFC), Grant No. 52578030

Editorial and Academic Service

(Associate Editor / Editorial Board / Guest Editor / Ad Hoc Reviewer)

Ad Hoc Reviewer

- Accident Analysis & Prevention [SSCI, CAS Q1, JCR Q1]
- Transportation Research Part C: Emerging Technologies [SCIE, CAS Q1, JCR Q1]
- Engineering Applications of Artificial Intelligence [SCIE, CAS Q1, JCR Q1]
- Sustainable Cities and Society [SCIE, CAS Q1, JCR Q1]

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