

Ya (Lucia) GAO

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Education

- **Ph.D. in Urban Planning Tongji University, P.R. China**
 - Thesis: The impact of HSR on inter-city travel: Evidence from the Yangtze River Delta region
- **M.S. in Urban Planning Tongji University, P.R. China**
 - Thesis: Public transit and elderly mobility in Shanghai suburbs
- **B.S. in Urban Planning Fujian University of Technology, P.R. China**

Research Interests

- Travel Behavior Analysis
- Transportation and Land Use Interactions
- Travel Demand Modelling

Publications

- **Ya Gao***, Haixiao Pan. 2023. Understanding the Impact of High-speed Rail on Intercity Commuting: Evidence from the Shanghai Metropolitan Area. In *3rd International Workshop on HSR Socioeconomic Impacts (in press)*
- Haixiao Pan, **Ya Gao***, Qing Shen, Anne Vernez Moudon, Khandker Nurul Habib, Jianyi Tuo. 2023. Does high-speed rail mitigate peak vacation car traffic to tourist city? Evidence from China. *Transport Policy*, 143, 93-105. <https://doi.org/10.1016/j.tranpol.2023.09.011>
- **Ya Gao***, Haixiao Pan, Zhilin Xie, Khandker Nurul Habib, Jianyi Tuo. 2023. How to Mitigate Peak Vacation Car Traffic to a Historical City with New High-Speed Rail? A Study of Shaoxing <https://doi.org/10.1016/j.jtrangeo.2023.103608>
- Haixiao Pan, **Ya Gao***, Khandker Nurul Habib. 2022. The Impact of HSR on Same-Day Intercity Mobility: Evidence from the Yangtze River Delta Region. In *International Workshop on HSR Socioeconomic Impacts* (pp. 61-80). Cham: Springer International Publishing. https://doi.org/10.1007/978-3-031-26340-8_4
- Kaili Wang, **Ya Gao**, Yicong Liu, Khandker Nurul Habib. 2023. Exploring the Choice between In-store Versus Online Grocery Shopping through an Application of Semi-Compensatory Independent Availability Logit (SCIAL) model with Latent Variables [J]. *Journal of Retailing and Consumer Services*, 71, 103191. <https://doi.org/10.1016/j.jretconser.2022.103191>
- Haixiao Pan, **Ya Gao***. 2019. Development of High-Speed Rail in the People's Republic of China [J]. *ADB Working Paper 959*. Tokyo: Asian Development Bank Institute. (Available online: <https://www.adb.org/sites/default/files/publication/504076/adbi-wp959.pdf>)
- Haixiao Pan, **Ya Gao***, Sou Chen, Guangyi Li, Chunying Li, Ercong Chen. 2019. Travel Experience Evaluation of Multi-Mode Ground Transportation—A Case Study in Guangzhou [J]. *Urban Planning Forum*. 03, pp. 105-113. (Available online: <https://weixin.caupcloud.com/zbtx/?p=337925>, in Chinese)
- Haixiao Pan, **Ya Gao***. 2017. A Critical Review of dockless Bike Sharing System Management in Shanghai [J]. *Shanghai Urban Management*, 04, pp. 58-62. (Available online: <http://www.cqvip.com/qk/98527c/20174/7000260549.html>, in Chinese)
- Haixiao Pan, **Ya Gao***. 2016. How to deal with Congestion in a Sharing Economy Era? [J]. *Shanghai Urban Management*, 02, pp. 58-63. (Available online: <http://www.cqvip.com/qk/98527a/201602/668478933.html>, in Chinese)

Conferences / Presentations

- **Ya Gao***, Haixiao Pan. 2023. Understanding the Impact of High-speed Rail on Intercity Commuting: Evidence from the Shanghai Metropolitan Area. *(oral, the 3rd International Workshop on High-Speed Rail Socioeconomic Impacts organized by the International Union of Railways (UIC))*
- Kaili Wang, **Ya Gao***, Khandker Nurul Habib. 2023. Modelling Household Online Shopping and Home Delivery Demand using Latent Class Generalized Extreme Value (GEV) Models. *(Poster, the 2024 TRB conference)*
- **Ya Gao***, Haixiao Pan, Zhilin Xie, Khandker Nurul Habib. 2023. Understanding Patients Heterogeneity in Healthcare Travel and Hospital Choice – A Latent Class Analysis with Covariates. *(Oral, the 16th WCTRS conference)*
- Kaili Wang, **Ya Gao***, Yicong Liu, Khandker Nurul Habib. 2023. Exploring the Choice between In-store Versus Online Grocery Shopping through an Application of Semi-Compensatory Independent Availability Logit (SCIAL) model with Latent Variables. *(Poster, the 2023 TRB conference)*
- **Ya Gao***, Haixiao Pan. 2022. The Impact of HSR on Same-day Intercity Mobility-Evidence from the Yangtze River Delta Region *(Oral, the 2nd International Workshop on High-Speed Rail Socioeconomic Impacts, 2022)*.
- Haixiao Pan, **Ya Gao***. 2022. Site Selection of High-speed Railway Station on Travel Efficiency *(Oral, the 2nd International Workshop on High-Speed Rail Socioeconomic Impacts, 2022)*.
- Haixiao Pan, **Ya Gao***. 2021. Rail Integrated Development of Sub-centers: A Comparative Study of Shanghai and Tokyo. *(Oral, 15th IACP, Annual Conference of International Association for China Planning)*
- Haixiao Pan, **Ya Gao***. 2020. Why do Commuters Choose High-speed Rail? A Study Of the ins and outs Shanghai inter-city Commuter *(Oral, 14th IACP, presented in oral)*.
- **Ya Gao***, Haixiao Pan, Qing Shen, Jianyi Tuo. 2018. Do High-Speed Rail and Online Booking Influence Self-driving on Tourism Purpose? Evidence from the Shaoxing Case Study. *(Oral, 12th IACP)*
- Haixiao Pan, **Ya Gao***, Peng Chen. 2016. Evaluating the mobility of elderly people living in Shanghai suburbs *(14th WCTR, 2016, presented in oral)*

Grants application

- Participated in writing the grant proposal “New approaches to the neighbourhood scale carbon emissions modelling” Ministry of Science and Technology, China (Application No. SQ2022YFE020635) (20,000 CAD) 2022
- Core member of the grant proposal “Spatiotemporal modelling and risk forecast of the spread of major infectious disease” (Application No. 7204100648), National Natural Science Foundation of China (NSFC) (15,000 CAD) 2020-2021
- Core member of the grant proposal “Assessing the Accessibility of The Newly Built Hospitals in Shanghai” Shanghai Municipal Health Commission Grant (Grant No. 2021HP49) (1,000 CAD) 2021
- Core member of the grant proposal “Evaluating the Rail Integrated Development of Sub-centers: A Comparative Study of Shanghai and Tokyo ” Shanghai Pudong Urban Planning & Design Institute (2,000 CAD) 2020

Teaching Experience

- Tutored 4 master students on travel time and distance calculation using web MapAPI, data scraping using Python, and conducting discrete choice models using Apollo package in R and biogeme package in Python. 2020-2022
- Delivered lectures on transport greenhouse gas emissions to postgraduates on the Urban Transport course. 2021

Technical Reports

- Haixiao Pan, Ya Gao, Yizhong Zhou, Xia Hua, Xiaohe Zhang, Jiaxin Li, Zhilin Xie. 2021. “Assessing the Accessibility of The Newly Built Hospitals in Shanghai”. Report Submitted to Shanghai Municipal Health Commission. Nov 2021. 179 pages.

Professional / Consult Experience

- The Overall Urban Renewal Project of Hangzhou, CN Dec.2019-Dec.2022
- Transit Oriented Development Evaluation: Comparative Study between Shanghai and Tokyo Jan.2019-Dec.2021
- Assessing the Jobs-housing Balance using Cell Phone Data in Nanning, CN Aug.2018-Dec.2020
- Consulting Project of Evaluating Travel Experience in Guangzhou, CN May.2018-Mar.2019
- Vision Plan for the Construction of Barrier-Free Environments in Shanghai, CN Dec.2017
- Project of Accessibility Design on Urban Public Transportation System, CN Apr.2013

Funding and Awards

- China Scholarship Council Funding for International Visiting Student 2021-2022
- Best Paper Award for the 2nd International Workshop on High-Speed Rail hosted by UIC 2022
- Funding for Exchange Student to the UK from Erasmus+(EU program) 2019
- Gold Award Nomination of Qian Xuesen City Academic Gold Award 2018
- A-level Graduate Scholarship of Tongji University 2012-2015, 2017-2021
- Exemplary Graduate Student of Fujian University of Technology 2012
- Excellent Work Prize of National Urban Design Work Contest (www.cupen.org.cn) 2011
- Fang Qingming Association Scholarship (Top 20 students in university) 2011
- Outstanding Individual Award of Fujian University of Technology 2007-2011

Skills

- Quantitative Analysis: R, Python, Stata, Gauss, SQL, SPSS
- Spatial Analysis: ArcGIS, QGIS, ArcGIS Pro, Depthmap
- Travel Demand Analysis and Traffic Simulation: TransCAD, VISUM
- Other Software: Fragstats, ENVI, Gephi, Tableau, Sketchup, AutoCAD, InDesign, Photoshop, Illustrator

Conference Organisation / Social Works

- Assistant organizer for the Exhibition of Passages, Transitional spaces for the 21st Century city and organized six workshops relating to enhancing the mobility of people 2018
- Assisted in the World Conference on Transport Research Society (WCTRS) organization in Shanghai 2016
- Assisted in the organizing of the International Urban Passage Competition (IVM International) 2015
- Worked as an assistant at the Shanghai Association of Persons with Physical Disability 2012-2013, 2014-2015

Referees

- **Professor Haixiao Pan**, Dept. of Urban Planning, Tongji University
1239 Siping Road, Shanghai, China, 200020
Phone: (+86) 1-390-190-7415 Email: panhaixiao@tongji.edu.cn
- **Professor Khandker Nurul Habib**, Dept. of Civil & Mineral Engineering University of Toronto
35 St. George St, Toronto, ON M5S 1A4, Canada
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