

Jing Gao

@ jgaoax@connect.ust.hk |  Google Scholar |  LinkedIn |  Hong Kong

Education

Hong Kong University of Science and Technology	Hong Kong, China
Ph.D., Civil and Environmental Engineering	Sep 2020 – present
Sun Yat-sen University	Guangzhou, China
B.S., Traffic Engineering	Sep 2014 – June 2018

Experience

Visiting Student, <i>University of California, Berkeley</i>	May 2024 – present
Host: Prof. Kameshwar Poolla	

Awards & Honors

Hong Kong PhD Fellowship Scheme	2020 – 2024
Overseas Research Award, <i>Hong Kong University of Science and Technology</i>	2024
Redbird PhD Award, <i>Hong Kong University of Science and Technology</i>	2021 – 2022
First-class Fellowship, <i>Sun Yat-sen University</i>	2015 – 2017
National Scholarship	2016 – 2017
Meritorious Winner, <i>The International Mathematical Contest in Modeling</i>	2016
National First Prize, <i>Contemporary Undergraduate Mathematical Contest in Modeling</i>	2016
National Encouragement Scholarship	2015

Publications

Journal

1. Gao J, Li S (2024) Regulating for-hire autonomous vehicles for an equitable multimodal transportation network. *Transportation Research Part B: Methodological* 183, 102925.
2. Gao J, Li S (2024) Charging autonomous electric vehicle fleet for mobility-on-demand services: Plug in or Swap out?. *Transportation Research Part C: Emerging Technology* 158, 104457.
3. Ao D, Gao J, Lai Z, Li S (2024) Regulating transportation network companies with a mixture of autonomous vehicles and for-hire human drivers. *Transportation Research Part A: Policy and Practice* 180, 13975.
4. Liu Z, Lu Q, Gao J (2024) A similarity-based data-driven car-following model considering driver heterogeneity. *Transportation Research Procedia* 78: 611-618.
5. Gao J, Li S, Yang H (2022) Shared parking for ride-sourcing platforms to reduce cruising traffic. *Transportation Research Part C: Emerging Technology* 137: 78-94.
6. Gao J, Sun L, Cai M (2019) Quantifying privacy vulnerability of individual mobility traces: a case study of license plate recognition data. *Transportation Research Part C: Emerging Technology* 104: 78-94.

Working Paper

1. Synergizing shared micromobility and public transit towards an equitable multimodal transportation network, with Sen Li. (under review in *Transportation Research Part A: Policy and Practice*)
2. Synergizing shared micromobility and ride-hailing for TNCs under government regulations, with Sen Li and Tingting Dong.
3. On the value of bundling food and grocery deliveries, with Zhijie Lai, Sen Li, Junjie Qin, and Kameshwar Poolla.

Conference Proceedings

1. Gao J, Li S (2024) Evaluating the equity impacts of shared micromobility in multimodal transportation networks. *2024 Transportation Research Board (TRB) Annual Meeting* (Washington, DC, USA)

2. Gao J, Li S (2022) Charging infrastructure planning for electrified autonomous mobility-on-demand systems under evolving charging technologies. *The 26th International Conference of Hong Kong Society for Transportation Studies* (Hong Kong)
3. Gao J, Lu Q, Cai M (2020) Quantifying privacy vulnerability under linkage attack across multi-source individual mobility data. *2020 Transportation Research Board (TRB) Annual Meeting* (Washington, DC, USA)
4. Gao J, Sun L, Cai M (2019) Privacy vulnerability in anonymized license plate recognition data. *2019 Transportation Research Board (TRB) Annual Meeting* (Washington, DC, USA)