

Chenyang Wu

609 Skempton Building
South Kensington Campus, Imperial College London
London SW7 2AZ, United Kingdom
+44 (0)7759843734
E-mail: c.wu15@imperial.ac.uk
<http://www.imperial.ac.uk/people/c.wu15>

Research Interests

Shared mobility; Discrete choice model; Risky-choice behaviour; Dynamic pricing; Optimisation

Education

Ph. D in Civil Engineering (Transport), Imperial College London, UK, expected Q2 2019
Title: “*Optimal Dynamic Pricing in Shared Mobility Networks*”

M.S. in Civil Engineering (Geomechanics), Stanford University, USA, 2013
GPA: 4.0/4.0

B.S. in Civil Engineering (Geotechnical Engineering), Tongji University, China, 2009
GPA: 4.8/5.0 (ranks top 5% among ~500 students)

Publications

PUBLISHED JOURNAL ARTICLES (3)

- J1. Wu, C., Le Vine, S., Sivakumar, A., Polak, J. (2019) Traveller preferences for free-floating carsharing vehicle allocation mechanisms. *Transportation Research Part C*, 102, 1-19. doi: [10.1016/j.trc.2019.02.019](https://doi.org/10.1016/j.trc.2019.02.019).
- J2. Wu, C., Le Vine, S., Clark, M., Gifford, K., Polak, J. (2019) Factors associated with round-trip carsharing frequency and driving-mileage impacts in London. *International Journal of Sustainable Transportation*. doi: [10.1080/15568318.2018.1538401](https://doi.org/10.1080/15568318.2018.1538401).
- J3. Le Vine, S., Wu, C., Polak, J. (2018) A nationwide study of factors associated with household car ownership in China. *IATSS Research*, 42(3), 128-137. doi: [10.1016/j.iatssr.2017.10.001](https://doi.org/10.1016/j.iatssr.2017.10.001).

CONFERENCE PAPERS: (4)

- C1. Wu, C., Le Vine, S., Sivakumar, A., Polak, J. (2019) Traveller preferences for novel free-floating carsharing vehicle allocation mechanisms. TRB
- C2. Wu, C., Le Vine, S., Philips, S., Tang, W., Polak, J. (2019) Free-floating carsharing users' willingness-to-pay/accept for logistics management

mechanisms. TRB

C3. Wu, C., Le Vine, S., Polak, J. (2018) User Response to the Dynamic Pricing of Carsharing Services: A Stated-Choice Approach. hEART

C4. Le Vine, S., Wu, C., Polak, J. (2017) A Nationwide Study of Factors Associated with Household Car Ownership in China. TRB

Research Project Activities

2016. Future Mobility of the Senior Generation, Institute for Mobility Research (ifmo, P.I.: Johanna Zmud, Texas Transportation Institute, <http://www.ifmo.de/publications.html?t=163>), €250k study total

- Responsible for data analysis in UK (National Travel Survey) and China (China Household Finance Survey), in a five-country international comparison

Reviewing

Transportation Research Part D: Transport and Environment; Transportation Research Record

Teaching

Graduate teaching assistant (CI9-T-05: Transport demand and its modelling; SEF 09-Sustainable Transport)

Skills

CPLEX, Gurobi, MATLAB, Python, Python Biogeme, R, SPSS, STATA.

Honors and Awards

First Prize in the Geo-Challenge Competition at the 2012 American Society of Civil Engineers Mid-Pacific Student Conference.

Third Prize (of ~15,000 entrants) in the 8th China Mechanics Competition in Honor of Zhou Peiyuan, 2011.

China's most prestigious mechanics competition. Held every other year by the Chinese Society of Theoretical and Applied Mechanics.

National Scholarship, Chinese Ministry of Education, 2010 and 2011.

Gammon Scholarship, Gammon Construction Limited, 2012.

First Class Scholarship for Outstanding Students, Tongji University, 2010, 2011, and 2012.

Student Merit Award of Tongji University, 2011

Third Prize (of ~500 entrants) in the Twelfth Structural Design Competition of Tongji University, 2011.

First Prize (of ~1,000 entrants) in the 2010 Mathematics Competition of Tongji University.