LU, QING-LONG (卢庆龙)

Address: Arcisstraße 21, 80333 Munich, Germany

E-mail: qinglong.lu@tum.de

EDUCATIONAL BACKGROUND

Sep. 2014 – Jun. 2018	**Sun Yat-sen University (985&211)**, *Guangzhou*, P.R. China Bachelor's degree, Traffic Engineering
Oct. 2018 – Oct. 2020	**Technical University of Munich**, *Munich*, Germany Master's degree, Transportation Systems
Jun. 2021 – Present	**Technical University of Munich**, *Munich*, Germany Ph.D. candidate

RESEARCH EXPERIENCES

Sep. 2016 – Jun. 2018   **Intelligent Transportation System Research Center (SYSU: ITS)**

- Noise Monitoring Project of Guangzhou
- National Undergraduate Training Programs for Innovation with the title of Evaluation of Exterior Cost of Rural Traffic

Apr. 2019 – Mar. 2020   **Chair of Transportation Systems Engineering, Technical University of Munich**

- Dynamic vanpool services: passenger preferences, operations modeling, and simulation- based quantification of impacts.

Mar. 2020 – Apr. 2020   **Faculty of Electrical Engineering, University of Ljubljana**

- Developing ACT deployment scenarios linking individual driving with network.

Nov. 2020 – Apr. 2021   **Chair of Transportation Systems Engineering, Technical University of Munich**

- Integrating the PCA into the simultaneous perturbation stochastic approximation algorithm.

PUBLICATIONS

Journal Publications

1. Lu, Q. L., 2020. A structural equations approach for modeling the endogeneity of lane-mean speeds considering the downstream speeds. *European Journal of Transport and Infrastructure Research*, *20*(4), 252-265.

2. Lu, Q. L., Qurashi, M., Varesanovic, D., Sodnik, J. and Antoniou, C., 2020. Exploring the influence of automated driving styles on network efficiency. *Transportation Research Procedia*, *52*, 380-387.

3. Qurashi, M., **Lu, Q. L.**, Cantelmo, G. and Antoniou, C., 2020. PC-SPSA: Implementation assessment and exploration of different historical data-set generation methods for enhanced DTA model calibration. *Transportation Research Part C: Emerging Technologies*, *136*, 103504.

Conference Contributions

1. Lu, Q. L., 2019. An improved structural equations system for lane-mean speeds prediction and modeling the endogeneity of adjacent lane speeds. *11th Mobil.TUM International Scientific Conference on Mobility and Transport*.

2. Gao, J., **Lu, Q. L.** and Cai, M., 2020. Quantifying privacy vulnerability under linkage attack across multi-source individual mobility data. *In 99th Transportation Research Board (TRB) Annual Meeting*.

3. Qurashi, M., **Lu, Q. L.**, Chaniotakis, E. and Antoniou, C., 2020. An extended platform to integrate state-of-the-art model calibration for SUMO. *SUMO User Conference 2020*

4. Qurashi, M., **Lu, Q. L.**, Cantelmo, G. and Antoniou, C., 2020. PC-SPSA: Exploration and assessment of different historical data-set generation methods for enhanced DTA model calibration. *hEART 2020*.

5. Lu, Q. L., Varesanovic, D., Qurashi, M., Antoniou, C. and Sodnik, J., 2020. Exploring the influence of automated driving styles on network efficiency under different automated vehicle deployment scenarios. *In 23rd EURO Working Group on Transportation.*

6. Qurashi, M., **Lu, Q. L.**, Cantelmo, G. and Antoniou, C., 2020. PC-SPSA: Implementation assessment and exploration of different historical data-set generation methods for enhanced DTA model calibration. *MFTS 2020.*

7. Lu, Q. L., Yang, K., & Antoniou, C. (2021, September). Crash risk analysis for the mixed traffic flow with human-driven and connected and autonomous vehicles. In *2021 IEEE International Intelligent Transportation Systems Conference (ITSC)* (pp. 1233-1238). IEEE.

HONORS AND AWARDS

Aug., 2020	**Graduation Scholarship (DAAD STIBET), TUM**
May., 2022	**ITS Bavaria Award 2021: Best Master's Thesis Award, ITS Bavaria**