

# LU, QING-LONG (卢庆龙)

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## EDUCATIONAL BACKGROUND

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

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## RESEARCH EXPERIENCES

Sep. 2016 – Jun. 2018	<b>Intelligent Transportation System Research Center (SYSU: ITS)</b> <ul style="list-style-type: none"><li>Noise Monitoring Project of Guangzhou</li><li>National Undergraduate Training Programs for Innovation with the title of Evaluation of Exterior Cost of Rural Traffic</li></ul>
Apr. 2019 – Mar. 2020	<b>Chair of Transportation Systems Engineering, Technical University of Munich</b> <ul style="list-style-type: none"><li>Dynamic vanpool services: passenger preferences, operations modeling, and simulation-based quantification of impacts.</li></ul>
Mar. 2020 – Apr. 2020	<b>Faculty of Electrical Engineering, University of Ljubljana</b> <ul style="list-style-type: none"><li>Developing ACT deployment scenarios linking individual driving with network.</li></ul>
Nov. 2020 – Apr. 2021	<b>Chair of Transportation Systems Engineering, Technical University of Munich</b> <ul style="list-style-type: none"><li>Integrating the PCA into the simultaneous perturbation stochastic approximation algorithm.</li></ul>

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## 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*.
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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.
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## HONORS AND AWARDS

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

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