

履 歴 書

氏名：趙 勝川（ちょう しょうせん）

学歴

1983 年：北京交通大学鉄道運輸工学科卒

1986 年：北京交通大学大学院鉄道運輸工学科修士課程を終了、工学修士

1996 年：東京大学大学院都市工学専攻博士課程を修了、博士（工学）

職歴

1986.06-1991.12：北京交通大学 助教、講師

1996.04-1998.03：日本学術振興会 特別研究員（DC2、PD、東京大学）

1997.02-1997.10：テキサス大学（オースティン校） 客員研究員

2000.01-2004.06：一般財団法人計量計画研究所 研究員

2008.08-2009.07：ハーバード大学 ケネディスクール・アジアプログラム
フェロー（フルブライト訪問学者）

2004.07-2023.05：大連理工大学 教授（その間、国際合作交流処長、国際文化交流学院院长、交通運輸学院初代院長などを兼任）

2022.11-2023.11：早稲田大学大学院創造理工学研究科 訪問学者

2023.04-現在：一般財団法人運輸総合研究所 客員研究員

2023.06-現在：石家荘鉄道大学 特別招聘教授

2023.12-現在：一般財団法人計量計画研究所 特任研究員

2024.04-現在：城西国際大学大学院ビジネスデザイン研究科/メディア学部
メディア情報学科 教授

専門分野

都市交通計画、都市計画、交通経済学、途上国の交通問題

主な受賞

1. 中国国家教学成果賞 二等賞（2023 年）
2. 遼寧省教学成果賞 一等賞（2022 年）
3. 遼寧省修士論文 優秀指導教官（2022 年）
4. 大連理工大学留学生 優秀指導教官（2022 年）
5. 中国 ITS 協会科学技術賞 一等賞（2019 年）
6. 中国高等教育学会海外人材招聘分会 卓越貢献賞（2017 年）
7. 東京大学工学部 フェロー（2017 年度）
8. 日本土木学会 国際活動協力賞（2016 年度）

9. アジア交通学会 (EASTS) 最優秀論文賞 (2015 年)
10. 大連市帰国留学人員創業英才称号 (2010 年)

主な著書 (単著、共著を含む)

1. 中村英夫、長澤光太郎、平石和昭、長谷川専 (2017) . インフラストラクチャ概論. 日経 BP 社. (赵胜川訳 (2021) . 基础设施概论. 人民交通出版社)
2. 钟绍鹏, 赵胜川 (2017) . 交通信息化环境下随机道路网络拥挤收费理论与方法. 科学出版社 (中国語) .
3. Zhao, S. (2010). Rebuilding City with Tram: Hiroshima and Dalian, Chapter 6.4 in Sustainable Urban Transport in an Asian Context, Edited by H. Ieda, Springer, Tokyo.
4. Zhao, S. & Yang, Z. (2008). Urban Form and Rail Transit Development in Dalian Chapter 7 in Sustainable City Regions: Space, Place and Governance, Edited by T. Kidokoro, N. Harata, L.P. Subanu, and J. Jessen, Springer, Tokyo.
5. Zhao, S. (2007). Transport Infrastructure and Logistics Development in China, Chapter 12 in Efficient and Sustainable Intermodal Logistics Network in the Asia-Pacific Region, The Institute of Highway Economics.
6. 道路交通需要予測の理論と適用〈第 1 編〉利用者均衡配分の適用に向けて (和文、共著)、日本土木学会、2003 年 (共著) .

審査付き学術雑誌論文 (2015 年以降のみ記載)

(英文)

1. Ma, J., Wang, H., Li, W., Zhao, S. & Qin, W. (2025). Unmet walking needs and quality of life for older adults in China: Exploring the links. Travel Behaviour and Society. Volume 39, April 2025, 100972.
2. Gong, Y., Zhong, S., Zhao, S., Xiao, F., Wang, W. & Jiang, Y. (2024) Optimizing green splits in high-dimensional traffic signal control with trust region Bayesian optimization. Computer-Aided Civil and Infrastructure Engineering. DOI: 10.1111/mice.13293.
3. Tran, V. & Zhao, S. (2024). Understanding the Influence of Behavioral Intention for Using an Electric Carsharing System: Hierarchical Hybrid Choice Model. Journal of Transportation Engineering, Part A: Systems. Volume 150, Issue 10. <https://doi.org/10.1061/JTEPBS.TEENG-8536>.
4. Bhattarai, K., Zhao, S., Hou, D., & Joshi, M. (2024). Impact of Pandemic on Commuters' Mode Choice Behavior: A Case Study of Dalian City, China. Transportation Research Record, 2678(8), 979-991. <https://doi.org/10.1177/03611981231223753>.
5. Li, W., Zhao, S., Ma, M. Nielsen, O.A. & Jiang, Y. (2023). Book-ahead

ride-hailing trip and its determinants: Findings from large-scale trip records in China. *Transportation Research Part A*. Vol. 178, 103875.

6. Ma, J., Zhao, S. & Li, W. (2023). Threshold effect of unmet walking needs on quality of life for seniors. *Transportation Research Part D*, Vol. 124, 103894.
7. Subhan, F., Ali, Y. & Zhao, S. (2023). Unravelling preference heterogeneity in willingness-to-pay for enhanced road safety: A hybrid approach of machine learning and quantile regression. *Accident Analysis & Prevention* 190, 107176.
8. Subhan F, Ali Y, Zhao, S., Oviedo-Trespalacios O. (2023). Understanding and modeling willingness-to-pay for public policies to enhance road safety: A perspective from Pakistan. *Transport Policy*, 141: pp.182-196.
9. Luo, H., Zhao, S., Cui, M. Zhong, S. & Ma, J. (2023). The evolution of spatial equity of high-speed rail accessibility in China: An operation frequency based approach. *International Journal of Sustainable Transportation*, DOI: 10.1080/15568318.2023.2164874.
10. Ma, J., Zhao, S., Li, W., Liu, M., & Luo, H. (2022). Heterogeneity in seniors' unmet walking needs: A latent class analysis. *Journal of Transport Geography*, 104, 103434.
11. Liu, M., Zhao, S. & Li, L. (2022). Associations among perceived built environment, attitudes, walking behavior, and physical and mental state of college students during COVID-19. *Travel Behaviour & Society* 28. pp.170-180.
12. Ma, J., Zhao, S. & Li, W. (2022). Do shrinking cities tie with the demographic aging process? Evidence from shrinking cities in China. *China City Planning Review* 31(1), pp.33-42.
13. Xue, L., Zhao, S. Li, J. (2022). Modelling and simulation of the urban rail transit operation system based on system dynamics. *International Journal of Simulation and Process Modelling*, 17(4): pp. 284-302.
14. Subhan, F., Zhao, S., Diop, E. B., Yasir Ali, Y. & Zhou, H. (2021). Public intention to pay for road safety improvement: a case study of Pakistan. *Accident Analysis & Prevention* 160, 106315.
15. Xue, L. & Zhao, S. (2021). Evaluating and Analyzing the Operation Efficiency of Urban Rail Transit Systems in China Using an Integrated Approach of DEA Model, Malmquist Productivity Index, and Tobit Regression Model. *Journal of Transportation Engineering, Part A: Systems* 147(10), 04021061.
16. Luo, H. & Zhao, S. (2021). Impacts of high-speed rail on the inequality of intercity accessibility: A case study of Liaoning Province, China. *Journal of Transport Geography*. 90. pp. 1-16.
17. Luo, H., Zhao, S. & Yao, R. (2021). Determinants of Housing Prices in Dalian City, China: Empirical Study Based on Hedonic Price Model. *Journal of Urban Planning and Development*, 147(2): 05021017.
18. Li, W., Zhao, S., Ma, J., & Qin, W. (2021). Investigating regional and generational heterogeneity in low-carbon travel behavior intention

based on a PLS-SEM approach. *Sustainability*, 13(6), 3492.

19. Li, J., Zhao, S., & Zhang, J. (2021). Multilevel model of spatially-allocated time use for takeout food ordering behavior--A case study. *International Journal of Simulation and Process Modelling*, 16(2): pp. 105-115.
20. Subhan, S., Zhou, H., Zhao, S. Naeem, MM, Sulaiman, M. (2021). Modeling non-fatal road crash injuries for Pakistan using aggregate data. *Advances in transportation studies* 53, 147-166.
21. Wu, N, Song, X., Yao, R., Yu Q., Tang, C. & Zhao, S. (2020). A Bayesian sample selection model based on normal mixture to investigate household car ownership and usage behavior, *Travel Behaviour and Society*, 20: pp. 36-50.
22. Diop, E.B., Zhao, S. & Tran, V. (2020). Modeling Travelers' Acceptance of Variable Message Signs: A Hierarchical Hybrid Choice Model. *Journal of transportation engineering, Part A: Systems* 146 (12), 04020134.
23. Diop, E.B., Zhao, S., Song, S. & Tran, V. (2020). Modeling Travelers' Route Switching Behavior in Response to Variable Message Signs Using the Technology Acceptance Model. *Transport* 35 (5), pp. 533-547.
24. Aden, WA, S Zhao, S., Subhan, F., Zhou, H. & Ullah, I. (2020). A Comparative Study on Pedestrians' Intention to Violate Traffic Rules: The Case of China and Djibouti. *Journal of Road and Traffic Engineering*, 66 (3), pp. 1-9.
25. Tang, C., Ceder, A., Zhao, S. & Ge Y.E. (2019). Vehicle Scheduling of Single-Line Bus Service Using Operational Strategies. *IEEE Transactions on Intelligent Transportation Systems*, Vol. 20, No. 3, pp.1149-1159.
26. Hoang, P.H. Zhao, S. & Houn, S.E. (2019). Motorcycle Drivers' Parking Lot Choice Behaviors in Developing Countries: Analysis to Identify Influence Factors. *Sustainability*. 2019; 11(9):2463.
27. Tran, V., Zhao, S. Diop, E.B. & Song, W. (2019). Travelers' Acceptance of Electric Carsharing Systems in Developing Countries: The Case of China. *Sustainability*. 2019; 11(19):5348.
28. Tran, V., Zhao, S. & Diop, E.B. (2019). A study on travelers' behavior towards carsharing system: a case study of Dalian, China. *Advances in Transportation Studies*, 49. pp.155-164,
29. Diop, E.B., Zhao, S. & Tran, V. (2019). An extension of the technology acceptance model for understanding travelers' adoption of variable message signs. *PLoS ONE*, 14(4): e0216007.
30. Yao, R., Sun, L., Sun, F., & Zhao, S. (2019). Optimizing the location of U-turn median openings at signalized intersections with multitype vehicles. *Journal of Transportation Engineering, Part A: Systems*, 145(9), 04019038.
31. Tang, C., Ceder, A., & Zhao, S. (2019). Minimizing user and operator costs of single line bus service using operational strategies. *Transport*, 33 (4), pp. 993-1004.
32. Zhao, S., Wu, N. & Wang, X. (2018). Impact of Feeder Accessibility on High-Speed Rail Share: Wuhan-Guangzhou Corridor, China. *Journal of*

Urban Planning and Development, 2018, 144(4): 04018029. (非通讯作者)

33. He, M. & Zhao, S. (2017). Determinants of long-duration commuting and long-duration commuters' perceptions and attitudes toward commuting time: Evidence from Kunming, China. IATSS Research. Vol. 41 (1), pp. 22-29.
34. Wu, N., Zhao, S. & Zhang, Q. (2016). A Study on the Determinants of Private Car Ownership in China: Findings from the Panel Data. Transportation Research Part A, Vol. 85, pp. 186-195.
35. He, M., Zhao, S. & He, M. (2016). Tolerance threshold of commuting time: Evidence from Kunming, China. Journal of Transport Geography, Vol. 57, pp. 1-7.
36. Tang, C., Ceder, A., Zhao, S. & Ge Y.E. (2016). Determining Optimal Strategies for Single-Line Bus Operation by Means of Smartphone Demand Data. Transportation Research Record, 2539, pp.130-139.
37. Khmel V. & Zhao, S. (2016). Arrangement of Financing for Highway Infrastructure Projects under the Conditions of Public-Private Partnership. IATSS Research, Vol. 39 (2), pp. 138-145.
38. Tang, X., Lan, F., Zhao, S. & Zhang, I. (2016). System Partition Method of Urban Arterials to Improve Signal Coordination. Journal of Asian Transport Studies, Vol. 4 (2), pp. 366-378. (The Best Paper Award for Theoretical Development).
39. Diop, E.B., Zhao, S. & Sun, B. (2015). A Study on Drivers' Route Choice under the Influence of ATIS Accuracy. Journal of the Eastern Asia Society for Transportation Studies, Vol. 11, pp. 537-556.
40. Wu, N. & Zhao, S. (2014). Impact of Transportation Convenience, Housing Affordability, Location, and Schooling in Residence Choice Decisions. Journal of Urban Planning and Development, Vol. 141 (4): 05014028.
41. He, N. & Zhao, S. (2015). Induced Traffic in China: Elasticity Models with Panel Data. Journal of Urban Planning and Development, Vol. 141 (4): 04014046.

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1. 赵胜川. 从汽车化社会的功与过谈城市交通世界新潮流 (New frontiers for urban transportation system in response to advantages and disadvantages of motorized society) . 交通运输研究, 2022, 8 (4): 2-35. (招聘論文)
2. 崔馨玥, 赵胜川. 考虑细化用户群体的全自动驾驶汽车使用意愿. 大连理工大学学报 (理工版) , 2022 年 9 月, 62 (5): 476-484.
3. 王承琳, 赵胜川. 基于 IPA 分析的综合交通枢纽换乘问题研究——以重庆市沙坪坝综合交通枢纽为例. 交通运输研究, 2022, 8 (2): 79-86.
4. 潘宝峰, 姚荣涵, 赵胜川, 王宝民, 周长俊. 交通工程卓越工程师培养方案设

计及教学实践, 大学教育, 2022, 9: 18-21.

5. 潘宝峰, 周长俊, 赵胜川, 王宝民, 姚荣涵. 基于工程教育专业认证的交通工程专业建设, 大学教育, 2022, 2: 100-102.
6. 刘猛, 赵胜川. 基于 SEM 和 ANN 的新冠肺炎疫情期间大学生校内出行行为影响因素研究. 交通运输研究, 2021, 7 (5): 43-53.
7. 谷鑫鑫, 赵胜川, 罗欢欢. 考虑共享汽车的高铁站接驳交通出行方式选择影响因素. 交通运输研究, 2021, 7 (4): 10-17.
8. 薛亮, 赵胜川. 基于 PSR 模型及博弈组合赋权的城市轨道交通运营水平评价研究. 铁道运输与经济, 2021, 43(5): 123-129.
9. 李武, 赵胜川, 戢晓峰, 马静文. 交通暴露与土地利用模式对社区 COVID-19 传播风险的影响, 中国公路学报, 2020, 33 (11): 43-54.
10. 姚荣涵, 梁亚林, 刘锴, 赵胜川, 杨澜. 考虑合乘的共享自动驾驶汽车选择行为实证分析. 交通运输系统工程与信息, 2020, 20(1): 228-233.
11. 姚荣涵, 龙梦, 赵胜川. 基于正交试验的信号交叉口机动车排放影响因素分析. 北京工业大学学报, 2020, 46(3): 300-310.
12. 姚荣涵, 周红媚, 赵胜川. 强化交通调查的交通流理论与仿真教学研究, 大学教育, 2019, 3: 50-52.
13. 姚荣涵, 潘宝峰, 赵胜川. 基于大数据的交通流理论与仿真实验教学研究, 大学教育, 2019, 2: 29-31.
14. 姚荣涵, 潘宝峰, 赵胜川. 问题驱动和案例主导的交通规划教学研究, 大学教育, 2017, 10: 1-3.
15. 何明卫, 赵胜川, 何民. 个体对通勤时间的态度和偏好视角下的职住空间失调, 交通运输系统工程与信息, 2017, 17(4): 153-158.
16. 姚荣涵, 王筱雨, 徐洪峰, 赵胜川. 降低交通排放的干线协调信号控制优化方法. 交通信息与安全, 2016, 34(5): 68-74, 101.
17. 王全志, 隗海民, 钟绍鹏, 赵胜川. 基于大数据的大学校园停车系统规划—以大连理工大学凌水主校区为例. 交通运输研究, 2017, 3(2): 37-45.
18. 张琪, 赵胜川. 中国城市私人汽车拥有量的影响因素分析. 交通运输研究, 2016, 2(3): 1-5.
19. 何明卫, 赵胜川, 何民. 基于出行者认知的理想通勤时间研究. 交通运输系统工程与信息, 2015, 15(4): 161-165.

20. 唐小军, 赵胜川, 章立辉. 基于带宽最大化的城市干线子区划分技术研究. 交通运输系统工程与信息, 2015, 15 (3): 100-106.

主な学会活動

1. Guest editor for Journal of Transportation Research Board (2022 年 2 月～)
2. 《交通運輸研究》副編集委員長 (2021 年 7 月～)
3. Member of editorial board of International Journal of Sustainable Transportation (2017 年 6 月～)
4. 世界交通運輸會議 (World Transport Convention) 交通工学部会長 (2017 年 7 月～)
5. Member of Standing Committee on Freight Transportation Planning and Logistics (AT015), TRB (2016 年 4 月～)
6. Member of Standing Committee on Intermodal Freight Transport (AT045), TRB (2011 年 5 月～2021 年 7 月)
7. 国際交通安全学会 (IATSS) Oversea Invited Member (2009 年 4 月～2024 年 3 月)
8. 国際交通安全学会 (IATSS) Oversea Fellow (2024 年 4 月～)