

基本情况

姓名：范宏强

职务：无

职称：讲师

学历：博士研究生

通讯地址：北京邮电大学鸿通楼 517

办公电话：010-62282807

电子邮箱：fanhongqiang@bupt.edu.cn



教育背景

2010.9-2015.10 北京交通大学 交通运输学院 交通运输规划与管理专业 博士

2008.9-2010.7 北京交通大学 交通运输学院 系统分析与集成专业 硕士

2004.9-2008.7 北京交通大学 交通运输学院 交通运输类专业 本科

工作经历

2017.1 至今 北京邮电大学 现代邮政学院 讲师

2015.11-2016.12 美国南佛罗里达大学 土木与环境工程学院 博士后

研究方向

物流网络空间布局优化、复杂交通系统仿真

科研项目

1. 北京市科委项目“基于 5G 及北斗技术的猪肉冷链运输智能监控系统研究示范”，2019.9~2021.12，参加。

2. 国家重点研发计划“快件物流资源共享经济模型与服务模式研究”，2019.6~2022.6，参加.
3. 国家自然科学基金青年科学基金项目“动态随机环境下电动汽车柔性配送路径优化问题研究”，2019.1~2021.12，参加.
4. 国家自然科学基金青年科学基金项目“综合客运枢纽动态导向服务决策研究”，2019.1~2021.12，参加.
5. 国家自然科学基金青年科学基金项目“交通运输建设工程施工线性计划编制方法及优化模型与算法研究”，2019.1~2021.12，参加.
6. 企业委托项目“车辆路径与调度优化研究”，2019.1~2019.9，参加.
7. 新进教师人才项目“考虑信息缺失影响的物流设施可靠性选址研究”，2018.1~2019.10，主持.
8. 国家自然科学基金青年科学基金项目“基于行为多样性分析的典型瓶颈交通管理与控制策略研究”，2014.1~2016.12，参加.
9. 国家自然科学基金面上项目“高速铁路列车流优化控制模型与算法研究”，2013.1~2016.12，参加.
10. 国家自然科学基金面上项目“动态交通系统中信息诱导致稳机理研究”，2013.1~2016.12，参加.
11. 博士创新基金项目“十字型道路交叉口混合交通流特性研究”，2013.1~2013.12，主持.
12. 国家自然科学基金青年科学基金项目“基于空间网络的城市交通出行引导策略研究”，2012.1~2014.12，参加.
13. 博士创新基金项目“城市平面交叉口混合通流微观特性研究”，2011.3~2012.6，主持.

教学工作

讲授本科生课程《物流学》、《供应链管理》、《邮政与快递运营管理》等

学术论文

1. Lifen Yun, Xifu Wang, Hongqiang Fan, Xiaopeng Li*. Reliable facility location design with round-trip transportation under imperfect information Part I: A discrete model. *Transportation Research Part E*, 2020, 133: 101825. (SCI)
2. Lifen Yun, Hongqiang Fan, Xiaopeng Li*. Reliable Facility Location Design with Round-trip Transportation under Imperfect Information Part II: A Continuous Model. *Transportation Research Part B: Methodological*, 2019, 124: 44–59. (SCI)
3. 范宏强; 员丽芬*; 交通运输网络可靠性选址研究, 中国建筑工业出版社, 180千字, 2019.
4. Hongqiang Fan, Lifen Yun Xiaopeng Li. A Linear-Time Sweeping Algorithm for Discretization of Continuum Approximation For Network Location Problems. *Transportation Research Board 98th Annual Meeting*, Washington, D.C., 2019.
5. Hongqiang Fan, Jiaqi Ma, Xiaopeng Li*, A reliable location model for heterogeneous systems under partial capacity losses. *Transportation Research Part C*, 2018, 97: 235-257. (SCI)
6. Peng Dong, XifuWang, Lifen Yun and Hongqiang Fan. Research on the characteristics of mixed traffic flow based on an improved bicycle model. *Simulation: Transactions of the Society for Modeling and Simulation International*, 2018, 94(5): 451-462. (SCI)
7. Lifen Yun, Xifu Wang, Hongqiang Fan*, Xiaopeng Li. A reliable facility location design model with site-dependent disruption in the imperfect information context. *PLoS ONE*, 2017, 12(5): e0177104. (SCI)
8. Lifen Yun, Xifu Wang, Hongqiang Fan, Xiaopeng Li, Peng Dong. A Continuum Approximation Method For Reliable Facility Location Design With Imperfect Information. *Transportation Research Board 96th Annual Meeting*, Washington, D.C., 2017.
9. Lifen Yun, Yong Qin, Hongqiang Fan, Changxu Ji, Xiaopeng Li, Limin Jia. A Reliability Model for Facility Location Design under Imperfect Information. *Transportation Research Part B: Methodological*, 2015, 81: 596–615. (SCI)
10. Hongqiang Fan, Bin Jia, Junfang Tian, Lifen Yun. Characteristics of traffic flow at a non-signalized intersection in framework of game theory. *Physica A: Statistical*

Mechanics and its Applications, 2014, 415: 172-180. (SCI)

11. Hongqiang Fan, Keping Li, Bin Jia. The Influence of Network Bottleneck on Train Energy Consumption in Railway Traffic. 3rd International Conference on Information Technology and Management Innovation, ICITMI 2014, 631-632: 737-742, Shenzhen, China, 2014. (EI)

12. Lifen Yun, Changxu Ji, Xiaopeng Li, Hongqiang Fan. A Reliability Model for Facility Location Design Under Imperfect Information. Transportation Research Board 93rd Annual Meeting, Washington, D.C., 2014.

13. Hongqiang Fan, Bin Jia, Xingang Li, Junfang Tian, et al. Characteristics of traffic flow at nonsignalized T-shaped intersection with U-turn movements[J]. The Scientific World Journal, 2013. (SCI)

14. Junfang Tian, Zhenzhou Yuan, Bin Jia, Hongqiang Fan. Phase transitions and the korteweg-de vries equation in the density difference lattice hydrodynamic model of traffic flow. International Journal of Modern Physics C, 2013, 24(3): 1350016. (SCI)

15. Lifen Yun, Changxu Ji, Hongqiang Fan. An Evaluation Model for Passenger Hub under Fuzzy Environment. Mathematical and Computer Modelling, 2013, 17(4): 142-152. (EI)

16. Junfang Tian, Zhenzhou Yuan, Bin Jia, Hongqiang Fan, et al. Cellular automaton model in the fundamental diagram approach reproducing the synchronized outflow of wide moving jams. Physics Letters A, 2012, 376(44): 2781-2787. (SCI)

17. Hongqiang Fan, Bin Jia, Junfang Tian, Xingang Li. Characteristics of Signalized T-shaped Intersection. 2012 5th International Joint Conference on Computational Sciences and Optimization, CSO 2012, 484-488, Harbin, Heilongjiang, China, 2012. (EI)

18. Junfang Tian, Zhenzhou Yuan, Hongqiang Fan, Wenyi Zhang. Spatial-temporal characteristics analysis of an isolated on-ramp in a new cellular automation model. 2012 9th International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2012, 2800-2803, Chongqing, China, 2012. (EI)

19. 范宏强, 贾斌, 李新刚, 田钧方. 无信号 T 型交叉口交通流特性研究. 交

通运输系统工程与信息, 2011, 12(1): 185-192.

20. Keping Li, Hongqiang Fan. The relationship between energy consumption and train delay in railway traffic. *Chinese Physics B*, 2010, 19(10): 100511. (SCI)

21. Keping Li, Hongqiang Fan. Evolving laws of human cooperative behaviour. *Chinese Physics B*, 2010, 19(9): 090101. (SCI)

社会兼职

担任《Physica A》、《Transportation Research Part E》期刊审稿人