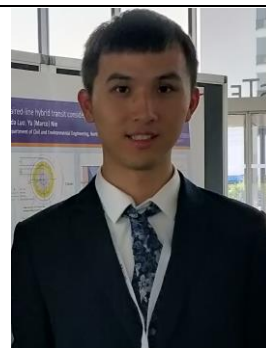


基本信息

| | | | |
|----|---|------|----------------|
| 姓名 | 罗斯达 | 性别 | 男 |
| 籍贯 | 湖北武汉 | 出生年月 | 1992年10月 |
| 邮箱 | Sidattraffic@qq.com | 手机 | +8613971152572 |
| 领英 | https://www.linkedin.com/in/sida-luo-a3437812a | | |



教育经历

| | | | |
|-----------------|------|------------------------------------|--------------------------|
| 09/2015-至今 | 博士生 | 西北大学（美国 US News 排名第 9） | 土木工程系（交通系统分析与规划方向） |
| | 学分绩点 | 3.84/4.0 | 研究领域 公交概略设计；出行即服务；非传统交叉口 |
| | 毕业时间 | 06/13/2020 | |
| 08/2011-06/2015 | 工程学士 | 东南大学交通工程专业 | |
| | 学分绩点 | 3.86/4.0 (91.05/100) | 绩点排名 1/97 |
| 07/2014-08/2014 | 暑期项目 | 加州大学伯克利分校 | |
| | 课程要求 | 高级编程语言导论 (A+); 睡眠心理学 (B, 89.6/100) | |

实习经历

| | | |
|-----------------|------|--------------------------|
| 07/2017-08/2017 | 参与人员 | 武汉市公安局交通管理局 |
| | 主要工作 | 信号交叉口与城市快速路的非传统设计与管理方案分析 |
| 06/2016-09/2016 | 研究助理 | 美国阿贡国家实验室能源所 |
| | 主要工作 | 基于活动与多智能体仿真的动态交通分配方法研究 |

研究兴趣

公共交通；出行即服务（MaaS）；交通设计与管理；城市交通网络建模与分析；城市交通规划

期刊与会议论文

第一或通讯作者 SCI:

- **Luo, S.D.**, Nie, Y.M.* (corresponding author), 2020. On the role of route choice modeling in transit sketchy design. *Transportation Research Part A* 136, 223-243. (汤森路透: Q1)
- **Luo, S.D.***, 2019. Departure and travel time model for the temporal distribution of morning rush-hour traffic congestion. *International Journal of Modern Physics C* 31, 1-15. (汤森路透: Q3)
- **Luo, S.D.**, Nie, Y.M.*, 2019. Impact of ride-pooling on the nature of transit network design. *Transportation Research Part B* 129, 175-192. (汤森路透: Q1)
- **Luo, S.D.**, Nie, Y. M.*, 2019. Paired-line hybrid transit design considering spatial heterogeneity. *Transportation Research Part B* (in press). (汤森路透: Q1)
- **Luo, S.D.**, Nie, Y. M.*, 2019. Paired-line hybrid transit system in a monocentric city with exponential demand pattern. *Transportation Research Record: Journal of the Transportation Research Board* 2673 (9), 614-626. (汤森路透: Q4)
- **Luo, S.D.**, Nie, Y.M.*, Zhu L., 2019. Intersection operation with nontraditional dynamic lane scheme through vehicle-to-signal connection. *Transportation Research Record: Journal of the Transportation Research Board* 2673 (8), 322-332. (汤森路透: Q4)
- **Luo, S.D.***, Zhang, S., 2019. Dynamic signal control for at-grade intersections under preliminary autonomous vehicle environment. *Journal of Central South University* 26, 893-904. (汤森路透: Q3)
- Chen, Y.F., **Luo, S.D.***, Zhang, M.K., et al., 2017. Modeling service time reliability in urban ferry system. *Modern Physics Letters B* 31 (26), 1-21. (汤森路透: Q4)

其它 SCI:

- Wei, X.Y., **Luo, S.D.**, Nie, Y.M.* , 2019. Diffusion behavior in a docked bike sharing system. *Transportation Research Part C* 107, 510-524.
- Wang, H., **Luo, S.D.**, Luo, T.M., 2017. Fractal characteristics of urban surface transit and road networks: Case study of Strasbourg, France. *Advances in Mechanical Engineering* 9 (2), 1-12.
- Ding, H.Y., Bao, Y., **Luo, S.D.**, et al., 2015. A capacity-restraint transit assignment model when a predetermination method indicates the invalidity of time independence. *Mathematical Problems in Engineering*, 1-12.
- Yang, M., Tang, D.N., Ding, H.Y., Wang, W., Luo, T.M., **Luo, S.D.**, 2014. Evaluating staggered working hours using a multi-agent-based Q-learning model. *Transport* 29 (3), 296-306.

非 SCI:

- Yue, Y., **Luo, S.D.***, Luo, T.M., 2016. Micro-simulation model of two-lane freeway vehicles for obtaining traffic flow characteristics including safety condition. *Journal of Modern Transportation*, doi: 10.1007/s40534-016-0103-9.
- **Luo, S.D.**, Gu, W.Y., 2016. Attitudinal market segmentation for transit riders using factor analysis. *DEStech Transactions on Computer Science and Engineering (ICTE 2016)*, ISBN: 978-1-60595-372-4.
- **Luo, S.D.**, Wang, H., Fu, M., et al., 2014. Shortest path algorithm for transit network including abnormal bus-stations. *2014 the International Conference on Engineering Mechanics, Civil and Transportation Engineering*, 905-909.
- Chen, L.X., Qian, Z.D., **Luo, S.D.**, Li, J.C., 2018. Optimization of lane assignment for signalized T-intersection based on VISSIM. *Journal of Southeast University* 34 (1), 112-119.
- Fu, M., Wang, H., Wang, W., **Luo, S.D.**, Zhao, D., 2016. Two network structure indicators for conventional public transit. *Journal of Harbin Institute of Technology (New Series)* 23 (5), 90-96. doi: 10.11916/j.issn.1005-9113.2016.05.013.
- Bao, Y., **Luo, S.D.**, Shen, H.X., et al., 2015. Prediction of market segmentation based on attitude towards bus trip and risk preference in urban transit system by Bayesian Network. *The 5th International Conference on Transportation Engineering*, 1666-1674.

专利与软件著作权

- Wang, H., Ge, Y.C., **Luo, S.D.** et al., 2015. *Multimodal Transit Network Functional Analysis Software V1.0* (多模式公交网络功能分析软件 V1.0), National Copyright Administration of the People's Republic of China, Copyright Register Number: 2015SR149807.
- **Luo, S.D.**, Yue, Y., Luo, T.M., 2014. *High-Speed Vehicle Simulation Platform V1.0 under Traffic Regulation of Driving on the Right* (右行规则下高速车辆运行仿真平台 V1.0), National Copyright Administration of the People's Republic of China, Copyright Register Number: 2014SR037651.
- Wang, H., **Luo, S.D.**, Fu, M. et al., 2013. *Urban Public Transit Network Functional Analysis Software (UPTNA) V1.0* (城市公交线网功能分析软件 V1.0), National Copyright Administration of the People's Republic of China, Copyright Register Number: 2014SR051851.

学术会议

- | | |
|---------------|--|
| 07/2019 (汇报人) | 23rd International Symposium on Transportation and Traffic Theory (ISTTT), Switzerland |
| 01/2019 (汇报人) | 98th Transportation Research Board Annual Meeting (TRB), United States |
| 11/2018 (参会者) | 2018 INFORMS Annual Meeting, United States |

参与科研项目

- 09/2017-至今 **Smart CROwdsourced Urban Delivery (CROUD) System** (基于众包的智慧城市输送系统)
(指导老师: 西北大学聂宇教授)

美国自然科学基金 [No. PFI:BIC-1534138](#)

个人主要工作:

- 建模分析共享单车在多模式混合型出行服务系统（包含固定与灵活线路公交等等）中的角色

09/2016-09/2017 **Cyber-Enabled Demand-Interactive Transit (CREDIT) for Sustainable Transportation**（基于“互联网+”着眼于可持续交通运输的需求响应式公交系统）

（指导老师：西北大学聂宇教授）

美国自然科学基金 [No. CMMI-1402911](#)

个人主要工作:

- 概略设计融合有固定线路与灵活线路公交模式的混合型公共交通系统

12/2013-12/2014 **Research on the Cost Function of Transit Route Choice & Case Study Based on Multi-Type Passengers under Uncertainty**（不确定性条件下多类型乘客公交路径选择费用函数研究及实例分析）（指导老师：东南大学杨敏教授）

国家自然科学基金 [No. 2012CB725402](#) 支撑的子项目

个人主要工作:

- 基于态度分析方法进行公交出行市场划分（采用因子分析 EFA, CFA 与结构方程 SEM 模型）

04/2013-04/2014 **Transit Network Assignment Algorithm & Corresponding Module Development Based on the Platform of TranStar Software**（基于 TranStar 软件的公交网络配流算法与辅助分析模块开发）（指导老师：东南大学王昊教授、王炜教授）

国家自然科学基金 [No. 2012CB725402](#) 与国家高技术研究与发展计划 [Grant No. 2014AA110303](#) 支撑的中国大学生科研创新项目

个人主要工作:

- 网络优化算法设计（模拟退火，禁忌搜索，遗传算法，公交最短路径和公交客流分配）

04/2013-04/2014 **A Simulation Study on Characteristics of Residents' Travel Mode Choice under the Impact of TOD**（TOD 模式影响下居民出行方式选择特性仿真）（指导老师：东南大学杨敏教授）

国家自然科学基金 [No. 2012CB725402](#) 支撑的江苏省大学生科研创新项目

个人主要工作:

- 构建居民出行不同方式下的效用函数并使用 MATLAB 编写微观仿真程序

计算机与编程技能

C++, MATLAB, Python, SPSS, R, Vissim, TransCAD, AutoCAD

奖励与荣誉

08/2019 Northwestern University Transportation Center Dissertation Year Fellowship

07/2019 Northwestern University McCormick Terminal Year Fellowship

06/2019 Fellowship Registration for ISTTT23, Lausanne, Switzerland

09/2015 Northwestern University Walter P. Murphy Fellowship

10/2014 宝钢奖学金 (3 out of 16000)

04/2014 2014 年美国大学生数学建模竞赛二等奖

05/2013 茅以升铁道教育希望之星奖学金 (4 out of 16000)

09/2012 国家奖学金 (1 out of 97)

04/2012 东南大学高等数学竞赛一等奖 (8 out of 864)