

辛旭

☎ (+86) 183-4082-9339 | ✉ xu-david.xin@connect.polyu.hk¹ | 🌐 xinxu.space | 📄 [ResearchGate](#) | 📖 [Google Scholar](#)

🎓 教育经历

香港理工大学 | 商学院 | 物流及航运学系 | 博士研究生 (联合培养双学位) 2023.09—2025.10 (预计)
导师: 王帅安教授。获香港特别行政区政府才艺发展奖学金 (2 次), 香港特别行政区政府外展体验奖。

同济大学 | 经济与管理学院 | 博士研究生 2018.09—2025.10 (预计)
导师: 王效俐教授。获国家奖学金, 上海高校百名学生党员标兵, 上海高校团干部示范典型, 上海市优秀毕业生。

大连海事大学 | 航运经济与管理学院, 物流管理 | 管理学学士 2014.09—2018.06
导师: 杨忠振教授、陈康教授。GPA: 4.2/5.0, 排名: 1/32。获国家奖学金, 大连高校优秀毕业生。

🔬 研究方向

- 港口与航运管理 (例如, 泊位分配、泊位与岸桥联合调度、航线网络设计、船舶调度等)
- 交通与物流系统优化 (例如, 电动车交通网络设计等)
- 应急管理 (例如, 人道主义物流网络设计等)

📄 代表性学术论文²

- Zhang, T., Wang, S., & 辛旭*. (2025). Liner fleet deployment and slot allocation problem: A distributionally robust optimization model with joint chance constraints. [Transportation Research Part B: Methodological](#), 197, 103236. (ABS 4, JCR Q1, IF=6.3) [网址]³
- 辛旭, Wang, S., & Zhang, T. (2025). Truck-drone supported humanitarian relief logistics network design: A two-stage distributionally robust optimization approach. [Transportation Research Part C: Emerging Technologies](#), 178, 105231. (JCR Q1, IF=7.9) [网址]
- 辛旭, Zhang, T., Wang, X., He, F., & Wu, L. (2025). Risk averse distributionally robust optimization for construction waste reverse logistics with a joint chance constraint. [Computers & Operations Research](#), 173, 106829. (ABS 3, JCR Q1, IF=4.3) [网址]
- 辛旭, Jiang, Q., Li, C., Li, S., & Chen, K. (2023). Permutation flow shop energy-efficient scheduling with a position-based learning effect. [International Journal of Production Research](#), 61(2), 382-409. (ABS 3, JCR Q1, IF=7.3) [网址]
- 辛旭, Wang, X., Chen, Z., & Chen, K. (2021). Coastal shuttle tanker inventory routing model with a discrete loaded quantity. [Applied Economics](#), 53, 6120-6137. (ABS 2, JCR Q2, IF=2.1) [网址]
- 辛旭, Liu, M., Wang, X., Chen, H., & Chen, K. (2022). Investment strategy for blockchain technology in a shipping supply chain. [Ocean & Coastal Management](#), 226, 106263. (JCR Q1, IF=5.4) [网址]
- 辛旭, Liu, M., Wang, X., Zhang, T., Gao, L., & Chen, K. (2022). Evolutionary analysis of Japan's nuclear wastewater discharge events considering the impact of participants' emotions. [Ocean & Coastal Management](#), 225, 106231. (JCR Q1, IF=5.4) [网址]
- 辛旭, Zhang, T., He, F., Zhang, W., & Chen, K. (2023). Assessing and simulating changes in ecosystem service value based on land use/cover change in coastal cities: A case study of Shanghai, China. [Ocean & Coastal Management](#), 239, 106591. (JCR Q1, IF=5.4) [网址]
- 辛旭, Zhang, T., Xiang, Z., & Liu, M. (2025). Battery electric vehicle transportation network robust pricing-infrastructure location model with boundedly rational travelers. [Applied Energy](#), 386, 125606. (JCR Q1, IF=11.0) [网址]
- 辛旭, Wang, X., Ma, L., Chen, K., & Ye, M. (2022). Shipping network design-infrastructure investment joint optimization model: a case study of West Africa. [Maritime Policy & Management](#), 49(5), 620-646. (ABS 2, JCR Q2, IF=3.6) [网址]
- Liu, M., 辛旭*, Wang, X., Zhang, T., & Chen, K. (2025). Dual-channel slot sales strategy for container liner shipping companies with blockchain technology adoption. [Transport Policy](#), 162, 200-220. (ABS 2, JCR Q1, IF=5.3) [网址]
- Li, D., 辛旭*, & Zhou, S. (2023). Integrated governance of the Yangtze River Delta port cluster using niche theory: A case study of Shanghai Port and Ningbo-Zhoushan Port. [Ocean & Coastal Management](#), 234, 106474. (JCR Q1, IF=5.4, ESI Top 1%) [网址]

¹ 本行下划线内容均包含超链接。 ² 标记星号 “*” 代表通信作者。 ³ 中括号加粗的内容均包含超链接。

- Xiang, Z., 辛旭*, Zhang, T., Chen, K., & Liu, M. (2025). Asia-Europe liner shipping network design model considering Arctic route and black carbon tax. *Ocean & Coastal Management*, 261, 107492. (JCR Q1, IF=5.4) [网址]
- Gao, S., 辛旭*, Li, C., Liu, Y., & Chen, K. (2022). Container ocean shipping network design considering carbon tax and choice inertia of cargo owners. *Ocean & Coastal Management*, 216, 105986. (JCR Q1, IF=5.4) [网址]
- Chen, K., Guo, J., 辛旭*, Zhang, T., & Zhang, W. (2023). Port sustainability through integration: A port capacity and profit-sharing joint optimization approach. *Ocean & Coastal Management*, 245, 106867. (JCR Q1, IF=5.4) [网址]
- Li, Z., Wang, L., Wang, G., 辛旭*, Chen, K., & Zhang, T. (2024). Investment and subsidy strategy for low-carbon port operation with blockchain adoption. *Ocean & Coastal Management*, 248, 106966. (JCR Q1, IF=5.4) [网址]
- Chen, K., Su, S., Gong, Y., 辛旭*, & Zeng, Q. (2024). Coastal transportation system green policy design model based on shipping network design. *International Journal of Logistics Research and Applications*, 27(3), 428-449. (ABS 1, JCR Q1, IF=4.9) [网址]

教材

- 王效俐, 辛旭, 高凌宇, 沈四林. 物流运输与配送管理 (第 2 版). (2021). 清华大学出版社. [试读]

获奖情况

- 2016.05 获得“中国动力谷杯”第十一届全国大学生交通科技大赛**国家二等奖** (指导教师: 杨忠振教授)
- 2016.06 获得第二届全国大学生水运创新大赛**国家二等奖** (指导教师: 陈康教授)
- 2019.12 获得“华为杯”第十六届中国研究生数学建模竞赛**国家二等奖**
- 2020.08 获得“赛迪环保杯”第十三届全国大学生节能减排社会实践与科技竞赛**国家二等奖**
- 2021.10 获得第七届中国国际“互联网+”大学生创新创业大赛**国家铜奖**
- 2022.08 获得“六百光年杯”第十五届全国大学生节能减排社会实践与科技竞赛**国家一等奖**
- 2023.08 获得“建行杯”第十六届全国大学生节能减排社会实践与科技竞赛**国家二等奖**和**国家三等奖**各一项
- 2024.08 获得第十七届全国大学生节能减排社会实践与科技竞赛**国家二等奖**
- 2025.05 获得“船视宝杯”第二十届全国大学生交通运输科技大赛**国家二等奖** (指导教师: 王帅安教授)
- 2025.05 指导学生获得“正大杯”第十五届全国大学生市场调查与分析大赛**国家一等奖** (本人兼得**优秀指导教师奖**)

学术会议

- 2020.11.5-7, 会议名称: The 3rd International Conference of the Yangtze-River Research and Innovation Belt (Y-RIB), 中国宁波. 报告主题: *Intermodal Cargo-Container Joint Flow Equilibrium and Pricing*. [网址]
- 2024.3.24-28, 会议名称: The 2nd International Symposium on Data-Driven Intelligent Optimization for Decision Making (DIODM 2024), 日本松江. 报告主题: *Port sustainability through integration: A port capacity and profit-sharing joint optimization approach*. [网址]
- 2024.8.29-30, 会议名称: The 2nd PolyU Research Student Conference (PRSC 2024), 中国香港. 报告主题: *Liner shipping fleet planning with uncertain demand: A data-driven distributionally robust chance-constrained optimization approach*. 获奖: **最佳演讲奖 (Best Presentation Award)**. [网址]
- 2025.7.2-4, 会议名称: The 3rd PolyU Research Student Conference (PRSC 2025), 中国香港. 报告主题: *Liner fleet deployment and slot allocation problem: A distributionally robust optimization model with joint chance constraints*. 获奖: **最佳论文奖 - 优秀奖 (Best Paper Merit)**. [网址]

学术服务

- **委员会成员:** 香港理工大学商学院, 学术委员会成员 (2024.09-2025.08) .
- **学术会议组织:** The 3rd PolyU Research Student Conference (PRSC 2025), 2025 年 7 月 2 日-4 日, 中国香港. 担任职务: 大会联合主席. [网址] [新闻]
- **期刊编辑:** PLOS ONE (学术编辑) [网址], Frontiers in Marine Science (特刊编辑) [网址]
- **权威期刊审稿人:** Transportation Research Part B: Methodological, Transportation Research Part E: Logistics and Transportation Review, Transport Policy, Maritime Policy & Management, Computers & Operations Research, Maritime Economics & Logistics, Applied Energy, Energy, Computers & Industrial Engineering, IEEE Transactions on Engineering Management, Cities, Computers in Industry, Ocean & Coastal Management