

Curriculum Vitae



Dr Xiao Zengqi

Lecturer, Logistics and Supply Chain Management Programme
School/Department

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Education Qualifications

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| 2020 | Ph.D., Civil and Environmental Engineering, Nanyang Technological University, Singapore |
| 2015 | B.Sc. (1st class Hons) in Maritime Studies with Business Major, Nanyang Technological University, Singapore |

Academic and Professional Experience

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| 2023 - Present | Lecturer, School of Business, Singapore University of Social Sciences |
| 2020 - 2023 | Research Fellow, Maritime Energy & Sustainable Development Centre of Excellence (MESD), Nanyang Technological University, Singapore |
| 2015 - 2020 | Project Officer, Nanyang Technological University, Singapore |

Research Interests

- Maritime and port economics
- Green port and green shipping
- Ship emissions
- Alternative energies
- Sustainable development
- Data analytics

Selected Publications

- Chen, Z., Lam, J. S. L & **Xiao, Z.** (2023). Prediction of harbour vessel fuel consumption based on machine learning approach. *Ocean Engineering*, 278, 114483.
- **Xiao, Z.**, & Lam, J. S. L. (2023). Analysing Exhaust Emission of Oil Tanker Vessels Using Big Data in the Port of Singapore. *International Journal of Shipping and Transport Logistics*, 16, No.3/4, 231-255.

- **Xiao, Z.,** & Bai, X. (2022). Impact of local port disruption on global container trade: An example of stressing testing Chinese ports using a D-vine copula-based quantile regression. *Ocean & Coastal Management*, 228, 106295.
- **Xiao, Z.,** & Lam, J. S. L. (2022). Effects of project-specific government involvement actions on the attractiveness of port public-private partnerships among private investors. *Transport Policy*, 125, 59-69.
- **Xiao, Z.,** & Lam, J. S. L. (2022). Exploring the Determinants of Government Ownership in Port Public-Private Partnerships. *Maritime Policy & Management*, in press.
- Wang, Y., **Xiao, Z.,** Tiong, R. L., & Zhang, L. (2021). Data-driven quantification of public-private partnership experience levels under uncertainty with Bayesian hierarchical model. *Applied Soft Computing*, 107176.
- **Xiao, Z.,** & Lam, J. S. L. (2020). The impact of institutional conditions on willingness to take contractual risk in port public-private partnerships of developing countries. *Transportation Research Part A: Policy and Practice*, 133, 12-26.
- **Xiao, Z.,** & Lam, J. S. L. (2019). Willingness to take contractual risk in port public-private partnerships under economic volatility: The role of institutional environment in emerging economies. *Transport Policy*, 81, 106-116.
- **Xiao, Z.,** & Lam, J. S. L. (2017). A systems framework for the sustainable development of a Port City: A case study of Singapore's policies. *Research in Transportation Business & Management*, 22, 255-262.

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