

YULAI SARAH WAN

Associate Professor

Department of Logistics and Maritime Studies,

Hong Kong Polytechnic University

Tel.: (852) 2766-7868 Email: sarah.wan@polyu.edu.hk**EMPLOYMENT**

- 2019 - Present Associate Professor, Department of Logistics and Maritime Studies, Hong Kong Polytechnic University
- 2013 - 2019 Assistant Professor, Department of Logistics and Maritime Studies, Hong Kong Polytechnic University

EDUCATION

- PhD (Transportation and Logistics), University of British Columbia, 2013
- MPhil (Operations Management), Chinese University of Hong Kong, 2007
- BBA (Hons) in Management Science, City University of Hong Kong, 2005

RESEARCH(i) Papers published in refereed journals:

- Liu, S., Wan, Y., Yoshida, Y., Ha, H.-K. and Zhang, A. (2019) "Impact of high-speed rail network development on airport traffic and traffic distribution: Evidence from China and Japan", *Transportation Research Part A: Policy and Practice*, 127, 115-135.
- Zhang, A., Wan, Y. and Yang, H. (2019) "Impacts of high-speed rail on airlines, airports and regional economies: A survey of recent research", *Transport Policy*, 81, A1-A19.
- Guo, H., Jiang, C. and Wan, Y. (2018) "Can airfares tell? An alternative empirical strategy for airport congestion internalization", *Transportation Research Part A: Policy and Practice*, 118, 648-661.
- Chang, Z., Yang, D., Wan, Y. and Han, T. (2018) "Analysis on the features of Chinese dry ports: Ownership, customs service, rail service and regional competition", *Transport Policy*, in press (available online). DOI: <https://doi.org/10.1016/j.tranpol.2018.06.008>.
- Wan, Y., Zhang, A. and Li, K.X. (2018) "Port competition with accessibility and congestion: A theoretical framework and literature review on empirical studies", *Maritime Policy and Management*, 45(2), 239-259.
- D'Alfonso, T., Bracaglia, V. and Wan, Y. (2017) "Airport cities and multiproduct pricing", *Journal of Transport Economics and Policy*, 51(4), 290-312.
- Jiang, C., D'Alfonso, T. and Wan, Y. (2017) "Air-rail cooperation: Partnership level, market structure and welfare implications", *Transportation Research Part B*, 104, 461-482.
- Jiang, C., Wan, Y. and Zhang, A. (2017) "Internalization of port congestion: strategic effect behind shipping line delays and implications for terminal charges and investment", *Maritime Policy and Management*, 44(1), 112-130.
- Wan, Y., Ha, H.-K., Yoshida, Y. and Zhang, A. (2016) "Airlines' reaction to high speed rail entries: Empirical study of the Northeast Asian market", *Transportation Research Part A*, 94, 532-557.

- Wan, Y., Basso, L. J. and Zhang, A. (2016) "Strategic investments in accessibility under port competition and inter-regional coordination", *Transportation Research Part B*, 93, 102-125.
- Wan, Y., Jiang, C. and Zhang, A. (2015) "Airport congestion pricing and terminal investment: effects of terminal congestion, passenger types and concessions", *Transportation Research Part B*, 82, 91-113.
- Lo, W.W.L., Wan, Y. and Zhang, A. (2015) "Empirical estimation of price and income elasticities of air cargo demand: The case of Hong Kong", *Transportation Research Part A: Policy and Practice*, 78, 309-324.
- Jiang, C, Wan, Y., D'Alfonso, T. (2015) "Strategic choice of alliance membership under local competition and global networks", *Journal of Transport Economics and Policy*, 49(2), 316-337.
- Wan, Y., Yuen, A. and Zhang, A. (2014) "Effects of hinterland accessibility on U.S. container port efficiency", *International Journal of Shipping and Transport Logistics*, 6(4), 422-440.
- Leung, L. C., Wong, W. H., Hui, Y. V. and Wan, Y. (2013) "Managing third-party logistics under uncertainty: a decision scheme and managerial implications", *International Journal of Production Economics*, 145(2), 630-644.
- Ha, H.-K., Wan, Y., Yoshida, Y. and Zhang, A. (2013) "Airline market structure and airport efficiency: evidence from major Northeast Asian airports", *Journal of Air Transport Management*, 33, 32-42.
- Wan, Y., Zhang, A. and Yuen, A. (2013) "Urban road congestion, capacity expansion and port competition: empirical analysis of U.S. container ports", *Maritime Policy and Management*, 40(5), 417-438.
- D'Alfonso, T., Jiang, C. and Wan, Y. (2013) "Airport pricing, concession revenues and passenger types", *Journal of Transport Economics and Policy*, 47(1), 71-89.
- Wan, Y. and Zhang, A. (2013) "Urban road congestion and seaport competition", *Journal of Transport Economics and Policy*, 47(1), 55-70.
- Wan, Y., Wong, W. H., Leung, L. C. and Hui, Y. V. (2010) "An airfreight forwarder's shipment planning: simultaneous decisions on job, route and agent selection", *International Journal of Shipping and Transport Logistics*, 2 (3), pp. 249 – 266.

(ii) Book chapters:

- Wan, Y. and Yang, D. (2019) "Freight costs: Air and Sea", in: Vickerman, R. (ed.) *Encyclopedia of Transportation*, Elsevier, accepted.
- Wan, Y. and Zhang, A. (2018) "Chapter 16 Air cargo transport and logistics in Hong Kong and southern China", in: Zhang, J. and Feng, C.-M. (eds.), *Routledge Handbook of Transport in Asia*, New York, NY: Routledge.
- Wan, Y. and Zhang, A. (2018) "Chapter 9 Airport charges, infrastructure life cycle, and economic impact: a case study of Hong Kong", in: Kakuya Matsushima and William P. Anderson (eds.) *Transportation, Knowledge and Space in Urban and Regional Economics*, Northampton MA: Edward Elgar.
- Wan, Y. and Zhang, A. (2011) "Chapter 17 effects of emission trading schemes", in: Macário, R. and Van de Voorde, E. (eds.) *Critical Issues in Air Transport Economics and Business*. Oxford, U.K.: Routledge, pp. 285-318.

(iii) External research grants

- Impacts of high-speed rail on air transport: Climate change, airport congestion and network structure, RGC/GRF, PI, HK\$582,000, Jan 2018 – Dec 2020
- Strategic Investment in Accessibility: Inter-regional Coordination and Port Ownership, RGC/ECS, PI, HK\$512,137, Jan 2015 - June 2017

(iv) Academic honors and awards

- PBS Fellow Award 2017/2018, Faculty of Business, Hong Kong Polytechnic University
- Best Student Paper Award, the 22nd Air Transport Research Society (ATRS) World Conference. Paper title: “The impact of high-speed rail (HSR) development on airport: A comparative study of China and Japan”. Supervised student: Shuli Liu.
- Early Career Award, RGC, 2014-2015

(v) Research students supervised

- Hongyi Gu, MPhil/PhD integrated program, chief supervisor, in progress since 2018
- Shuli Liu, PhD, chief supervisor, in progress since 2015

TEACHINGCourses taught

- Hong Kong, Greater China and Transport Development (Undergrad, CAR-RW subject, 2013/14 – 2016/2017)
- Economics of International Transport Logistics (Undergrad, 2013/14 – 2016/2017)
- Air Transport Logistics and Management (MSc, since 2013/14)
- Air Transport Logistics (Undergrad, since 2017/18)
- Airline Strategy and Management (Undergrad, since 2017/18)

Program management

- Deputy Program Leader, BBA(Hons) in Aviation Management and Logistics (Sept 2015-present)

ACADEMIC SERVICES

- Guest editor, Special Issue: IFSPA2019, Transportation Research Part E
- Guest editor, Special Issue: Aviation Markets in China, Journal of Air Transport Management
- Scientific Committee Member, ITEA Annual Conference and School on Transportation Economics 2019
- Co-chair, local organizing committee, ITEA Annual Conference and School on Transportation Economics 2018
- Organizing Committee Member, International Forum for Shipping, Port and Airport (2014, 2015, 2017, 2019)
- Paper reviewer: Transportation Research Part A, Transportation Research Part B, Transportation Research Part E, Maritime Policy and Management, Transport Policy, Journal of Air Transport Management, International Journal of Shipping and Transport Logistics, Journal of Transport Geography, Networks and Spatial Economics